

## TENDER DOCUMENTS

*Name of the work: Civil Work (Exterior/Interior Painting) for Permanent Campus Buildings of Indian Institute of Management, Rohtak at Sunaria Village, Rohtak*



**Tender Document Fee: Rs. 5,900/- (Rupees Five Thousand Nine Hundred only)**

**Late date of submission of Tender: 12.07.2023, up to 10.00 A.M.**

**Date of opening of Eligibility Documents: 12.07.2023 at 11.30 A.M.**

**Indian Institute of Management Rohtak**  
**at Sunaria Village, Rohtak (Haryana)**

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<b>IIM ROHTAK</b>
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<b>NOTICE INVITING TENDER</b>
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<b>N.I.T. No.</b>	NIT NO.: IIMR/CIVIL/FY2023-24/OTE/K-93T (Revised )
<b>Name of work</b>	Civil Work (Exterior/Interior Painting) for Permanent Campus buildings of Indian Institute of Management, Rohtak at Sunaria Village, Rohtak
<b>Estimated Cost</b>	Rs. 6,32,80,836.00 (Rs. Six Crore Thirty Two Lakhs Eighty Thousand Eight Hundred Thirty Six only) Excluding GST.
<b>Processing/Tender Fee</b>	Rs. 5900.00 (Rs. Five Thousand Nine Hundred Only) should be submitted online (IMPS/NEFT/RTGS) in to Acct. No.252201000421, Bank-ICICI Bank, IIM Rohtak Branch, IFSC- ICIC0007244 (Compulsory & Non-refundable in all cases). There is no relaxation of processing fee for MSME. Bids without processing fee (Rs.5900/-) will not be considered.
<b>Earnest Money ( 2%) of Estimated Cost</b>	Rs. 12,65,617.00 (Rs. Twelve Lakhs Sixty-Five Thousand Six Hundred Seventeen Only) should be submitted online (IMPS/NEFT/RTGS) to in to Acct. No. 252201000421, Bank-ICICI Bank, IIM Rohtak Branch, IFSC- ICIC0007244 in favour of "Indian Institute of Management Rohtak".
<b>Performance Guarantee</b>	5% of tendered value.
<b>Security Deposit</b>	5% of tendered value
<b>Time Allowed</b>	05 (Five ) Months.
<b>Date of Publishing/Hosting of Tender</b>	20.06.2023
<b>Last date for Submission of Eligibility Documents &amp; Financial Bids</b>	12.07.2023 (up to 10.00 hrs. IST)
<b>Date of opening of Eligibility Documents</b>	12.07.2023 (at 11.30 hrs. IST)
<b>Date of opening of Financial Bids</b>	12.07.2023 (at 14.30 hrs. IST)
<b>Last date for receipt of queries</b>	07.07.2023 (at 17.00 hrs. IST)
<b>Period of validity of Tender/Bids</b>	Minimum 90 days from closing date.

This NIT for Composite work amounting to **Rs. 6,32,80,836.00 (Rupees Six Crore Thirty -Two Lakhs Eighty Thousand Eight Hundred Thirty-Six Only Excluding GST)** is hereby approved. NIT Contain: GCC from Page 1 to 111, SCC from page 1 to 56, Part C from P-57 to 71,

**SECTION 1: INFORMATION & INSTRUCTIONS TO BIDDERS FOR E-TENDERING**

The Director, Indian Institute of Management Rohtak invites on behalf of the Institute online item rate tenders from specialized firms/ contractors of repute in single stage two bid system for the following work: -

NIT No.	Name of Work & Location	Estimated Cost put to Tender	Earnest Money	Period of Completion	Last date & time of online submission of Eligibility Documents & Financial Bids.	Time and date of opening of Eligibility Documents
1	2	3	4	5	6	8
IIMR/CIVIL/FY2023-24/OTE/K-93T (Revised)	Civil Work (Exterior /Interior painting) for Permanent Campus buildings of Indian Institute of Management, Rohtak at Sunaria Village, Rohtak	Rs. 6,32,80,836.00/-	Rs. 12,65,617.00	05 (Five) Months	Up to 10.00 Hrs. on 12.07.2023	Up to 11.30 Hrs. on 12.07.2023

- A. The Bidder submitting the tender should read the schedule of quantities, additional conditions, additional specifications, particular specifications and other terms and conditions given in the NIT. The tenderer should also read the General Conditions of Contract forming Part A of the tender document. The site for the work is available. The Bidder should also visit the site of work and acquaint himself with the site conditions before tendering. The following conditions, which already form part of the tender conditions, are specially brought to his notice for compliance while filling the tender. They are requested to comply following instructions.
- B. Tenders with any condition including that of conditional rebates shall be rejected forthwith. Rates of such tenders shall neither be read out, not be entered in the tender opening register at the time of opening of tender.

- C. Bidder must ensure to quote rate for each item. The column meant for rate in figure appears in white colour and once rate is entered, it turns green. While selecting any of the cell a warning appears that if any cell is left blank the same shall be treated as '0' (Zero). Therefore, if any cell is left blank and no rate is quoted by the Bidder, rate of such item(s) shall be treated as '0' (Zero).
- D. GST, Building and other Construction Workers Welfare Cess or any other tax, levy or Cess in respect of input for or output by this contract shall be payable by the contractor and Institute shall not entertain any claim whatsoever in this respect except as provided under Clause 38. The Institute shall deduct from the running bills and final bill, the TDS and other statutory deductions as applicable.
- E. It will be obligatory on part of the Bidder to tender for all the component parts. The Institute reserves right to accept tender in full or in part. The Institute does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without assigning any reason. All bids in which any of the prescribed conditions is not fulfilled or any condition including that of conditional rebate is put forth by the Bidders shall be summarily rejected.
- F. **The Earnest Money Deposit will have to be submitted online (IMPS/NEFT/RTGS) to in to Acct. No.252201000421, Bank-ICICI Bank, IIM Rohtak Branch, IFSC- ICIC0007244 in favour of "Indian Institute of Management Rohtak. Proof to be attached /uploaded in online tender wizard.**
- G. **It is mandatory to sign the Integrity Pact by the Bidder failing which the Tenderer will stand disqualified from the tendering process and such Application would be summarily rejected.**
- H. Specialized Firms / Contractors who fulfill the following requirements shall only be eligible to apply. **Applications from Joint ventures or consortium of companies will not be accepted or considered for participation.**
- I.
- (a) Should have satisfactorily completed the works as mentioned below during the last Seven (7) years ending 31.03.2023.
    - (i) Three (3) similar works each costing not less than Rs. 2,53,12, 334.00  
**OR**  
Two (2) similar works each costing not less than Rs. 3,79, 68, 501.00  
**OR**  
One (1) similar work costing not less than Rs. 5,06,24,668.00
    - (ii) At least one similar work should have been completed in Ministries/ Departments/Autonomous Bodies/Public Sector Undertakings under Government of India.

A Similar work shall mean works, completed in India, of:  
Construction of Building work/Repair maintenance of building /painting work

Components of works executed other than those included in definition of similar work shall be deducted while calculating cost of similar work. Bidder shall submit abstract of cost of work in support of this.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of

completion to last date of receipt of Applications.

- (b) Should have had a minimum average annual financial turnover (Gross) of Rs. 6.32 crores on similar building construction works during the last three consecutive balance sheets duly audited by a Chartered Accountant.
- (c) Profitability: The Bidder should be a Profit (Net) making firm and should have made profit during any two of the past 3 Financial Years ending 31<sup>st</sup> March 2023 for which balance sheets, duly certified by the Chartered Accountant, are available.
- (d) **Net worth:** The bidder should have positive net worth of at least from the Audited Balance Sheet of the last financial year ending 31.03.2023.
- (e) Should have a minimum solvency of Rs. 2.54 Crore.
- J. The tender document consisting of plans, specifications, schedule of quantities of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be downloaded from <http://www.tenderwizard.com/iim-rohtak>.  
Bidders are advised to keep visiting the above mentioned web-sites from time to time (till the deadline for bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the Bidder of his liabilities to submit the tender complete in all respect including updates thereof, if any.
- Prospective Bidders may seek clarification regarding the project and/or the Tender documents, in writing to the Institute on or before 17.00 Hrs. on 07.07.2023 No requests for clarifications will be entertained after this date. Any clarification given by the Institute will be uploaded on the websites mentioned above and shall form part of the Tender document
- K. The Bidder shall upload copy of the Eligibility Documents, along with Earnest Money Deposit and Tender Document fee before the date specified herein above. **No hard copy of any of the eligibility documents and Tender Document is to be submitted or sent to IIM Rohtak**
- L. Scanned copies of Eligibility Documents and Financial Bids are to be submitted only through the e-procurement portal <http://www.tenderwizard.com/iim-rohtak>. Those Bidders not registered on the website <http://www.tenderwizard.com/iim-rohtak> are required to get registered themselves beforehand. The intending Bidder must have valid class-III digital signature to submit the bid. The Bidders must furnish the Financial Bids only in the MS Excel Spreadsheet to be uploaded on the website <http://www.tenderwizard.com/iim-rohtak>.
- M. **Submission of hardcopy of the Financial Bid will render the tender invalid.**
- N. Bidders shall be required to pay to KEONICS e-Tender Processing Fee (non-refundable) of Rs. 5300/- through the e-gateway by credit/debit card, internet banking or RTGS/NEFT facility.
- O. Bidders shall be required to pay a Tender Document Fee (non-refundable) of Rs 5,900/- by way of an online **IMPS/NEFT/RTGS) in to Acct. No.252201000421, Bank-ICICI Bank, IIM Rohtak Branch, IFSC- ICIC0007244** favour of Indian Institute of Management Rohtak, payable at Rohtak
- P. The Tenderer shall submit the following documents, on or before the last date and time specified herein above, in the manner prescribed below:

By online mode

**Eligibility Documents**

1. Letter of Transmittal
2. Document Checklist
3. Form 'A' – Structure & Organization of Bidder (with supporting documents)
4. Form 'B' – Financial Information (with supporting documents)
5. Form 'C' – Banker's Certificate
6. Form 'D' – Details of similar works completed (with supporting documents)
7. Form 'E' – Details of similar works in hand (with supporting documents)
8. Form 'F' - Performance reports of works
9. Form 'G' – Details of Technical & Administrative Personnel
10. Form 'H' – Details of Plant & Equipment
- 11. Affidavit**
- 12. Pledge of Compliance**
13. **Integrity** Pact and Integrity Agreement
14. Copy of the Tender document, download from <http://www.tenderwizard.com/iim-rohtak/>, duly signed on each page by authorized signatory and upload same copy of NIT are to be submitted only through <http://www.tenderwizard.com/iim-rohtak..>

As per prescribed formats, to be upload Indian Institute of Management Rohtak, at Sunaria Village, Rohtak **By E-tendering mode only through E-tendering Portal** ([www.tenderwizard.com/iim-rohtak](http://www.tenderwizard.com/iim-rohtak))

1. Eligibility Documents (in *.jpg or *.pdf format)	To be digitally signed
2. Financial Bid (.xls format) Annexure A	To be digitally signed

- Q. In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online then the bid submitted shall become invalid and the Institute shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further, the tenderer shall not be allowed to participate in the retendering process of the work.
- R. In case the lowest tendered amount (worked out on the basis of quoted rate of individual items) of two or more Bidders is the same, then such lowest Bidders may be asked to submit sealed revised offer quoting rate of each item of schedule of quantity for all sub sections/ sub heads as the case may be, but the revised quotes rate of each item of schedule of quantity for all sub sections / sub heads should not be higher than their respective original rate quoted already at the time of submission of tender. The lowest tender shall be decided on the basis of revised offer.
- S. If the revised tendered amount (worked out on the basis of quoted rate of individual items) of two or more Bidders received in revised offer is again found to be equal, then the lowest tender among such Bidders shall be decided by a draw of lots in the presence of lowest Bidders who have quoted equal amount of their tenders.

- T. In case any of such lowest Bidders in his revised offer quotes rate of any item more than their respective original rate quoted already at the time of submission of tender, then such revised offer shall be treated as invalid. Such case of revised offer of the lowest firm/contractor or case of refusal to submit revised offer by the lowest Bidder shall be treated as withdrawal of his tender before acceptance and 50% of his earnest money shall be forfeited.
- U. In case all the lowest Bidders those who have tendered amount (as a result of their quoted rates of individual items), refuses to submit revised offers, then tenders are to be recalled after forfeiting 50% of EMD of each lowest Bidder.
- V. The tender for the works shall remain open for acceptance for a period of ninety (90) days from the date of opening of Eligibility Documents. In case the Tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the Institute, then the Institute shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the Tenderer shall not be allowed to participate in the re-tendering process of the work.
- W. Bidder, whose earnest money is forfeited because of non-submission of revised offer, or quoting higher revised rate (s) of any item(s) than their respective original rate quoted already at the time of submission of his bid shall not be allowed to participate in the re-tendering process of the work.
- X. The tender inviting Authority shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest or any other tender.
- Y. The successful tenderer shall get registered with works contract cell of sales tax department under Govt. of Haryana/Central and submit a valid registration certificate before the execution of Agreement.
- Z. The Successful Tenderer shall be required to submit a Performance Guarantee of 5% (Five Percent) of the agreement amount within 15 days of issue of letter of intent. This guarantee shall be in the form of Fixed Deposit Receipts or Bank Guarantee from any Scheduled Bank or the State Bank of India in accordance with the prescribed form. This period can be further extended by Engineer-in-Charge/Institute up to a maximum period of 15 days on the written request of the contractor, **however late fee will be charged @ 0.1% per day.**
- AA. The Tenderer whose tender is accepted (Successful Tenderer/Bidder or Contractor) will also be required to furnish by way of Security Deposit for the fulfillment of his contract, an amount equal to 5.0 % of the tendered value of the work. The Security deposit will be collected by deductions from the running bills of the Contractor at the rates mentioned above and the earnest money deposited at the time of tenders, will be treated as a part of the Security Deposit. The Security amount will also be accepted as Fixed Deposit Receipt or Bank Guarantee of a Scheduled Bank or State Bank of India, provided confirmatory advice is enclosed.
- BB. On acceptance of the tender, the name of the accredited representative(s) of the selected Contractor who would be responsible for taking instructions from the IIM Rohtak shall be communicated in writing to the IIM Rohtak. The selected Contractor shall give a list of Institute employees related to him.
- CC. The Selected Contractor shall comply with the provisions of the Apprentices Act 1961, and the rules and orders issued there under from time to time. If he fails to do so, his failure will be a breach of the contract and the Accepting Authority may in his discretion, without prejudice to any other right or remedy available in law, cancel the Contract. The Selected Contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

DD. Agreement shall be drawn with the successful bidder as per the format forming part of the Tender Documents. This Notice Inviting Tender shall form a part of the contract document. The successful bidder / tenderer, on acceptance of his bid by the Accepting Authority shall within 15 days from the letter of acceptance, sign the agreement consisting of:

The Notice Inviting Tender, all the documents Including special conditions, additional conditions, particular specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

**Chief Administrative Officer**  
**Indian Institute of Management Rohtak**

**SECTION II - INFORMATION & GENERAL INSTRUCTIONS TO BIDDERS****1.0 General**

- 1.1 Letter of transmittal and forms for qualification are given in Section III.
- 1.2 All information called for in the enclosed forms should be furnished against the relevant columns in the forms. If for any reason, information is furnished on a separate sheet, reference to the same should be mentioned against the relevant column. Even if no information is to be provided in a column, a 'Nil' or 'No such case' entry should be made in that column. If any particulars/query is not applicable in case of the Bidder, it should be stated as 'not applicable'. The Bidders are cautioned that not giving complete information called for in the application forms or not giving it in clear terms or making any change in the prescribed forms or deliberately suppressing the information may result in the Bidder being summarily disqualified. Submissions made by telegram, fax, email or telex and those received late will not be entertained.
- 1.3 The Application should be type written. The Bidder's name should appear on each page of the Application.
- 1.4 The Application along with required documents should be submitted in Original and should be hard bound and each page serially numbered. All the pages should be duly signed in ink on each page & official seal stamped and should be submitted online superscribing "Civil Work (Exterior/Interior Painting ") for Permanent Campus of Indian Institute of Management, Rohtak at Sunaria Village, Rohtak)", addressed to Director, Indian Institute of Management Rohtak. Haryana. Documents submitted in connection with this tender will be treated confidential and will not be returned.
- 1.5 Overwriting should be avoided. Correction, if any, shall be made by neatly crossing out, initialing, dating and rewriting.
- 1.6 References, information and certificates from the respective clients certifying suitability, technical knowledge or capability of the Bidder should be signed by an officer not below the rank of Executive Engineer or equivalent.
- 1.7 The Bidder is advised to attach any additional information which he thinks is necessary in regard to his capabilities to establish that the Bidder is capable to successfully complete the envisaged work. He is, however, advised not to furnish superfluous information. No information shall be entertained after submission of Tender Application, unless it is called for by the Institute.

- 1.8 The Tender Application in prescribed form duly completed and signed shall be submitted along with a non-refundable processing fee of Rs 5900/- (Rupees Five Thousand Nine Hundred only) shall be paid online.
- 1.9 The credentials submitted in respect of Tender Application shall be verified before award of work. Any information furnished by the Bidder found to be incorrect either immediately or at a later date, would render him liable to be debarred from any work awarded and from tendering/taking up of any other work in the Institute. If such Bidder happens to be an enlisted contractor of any Govt. organization, his name shall also be recommended for removal from the approved list of contractors.
- 1.10 Bidders are advised to keep visiting IIM Rohtak and e-tender wizard websites from time to time (till the deadline for Tender submission) for any updates in respect of the Tender notice, if any. Failure to do so shall not absolve the Bidder of his liabilities to submit its Tender Application complete in all respect including update, thereof, if any. Incomplete Application may be liable to rejection.

## 2.0 Definitions

In this document the following words and expressions have the meaning hereby assigned to them.

- 2.1 **Institute:** means Indian Institute of Management Rohtak, acting through Director, IIM Rohtak, Sunaria Village, and Rohtak.
- 2.2 **Bidder:** means a legal entity in the form of a proprietary firm, firm in partnership, limited company (private or public) or corporation acting through its authorized signatory. Wherever the generic expression 'he' is used to refer to a Bidder, it will refer to any bidder irrespective of gender.
- 2.3 **"Year"** means "Financial Year" unless stated otherwise.

## 3.0 Method of Application:

- 3.1 If the Bidder is a Proprietary Firm, the application shall be signed by the proprietor, with his full typewritten name, and full name of his Firm with its current address.
- 3.2 If the Bidder is a Firm in partnership, the application shall be signed by all the partners of the firm with their full typewritten names and current addresses, or, alternatively, by a partner holding power of attorney for the firm. In the latter case a certified copy of the power of attorney shall accompany the Application. A certified copy of the partnership deed and current address of all partners of the firm shall also accompany the Application.

- 3.3 If the Bidder is a Limited Company or a Corporation, the application shall be signed by a duly authorized person holding power of attorney for signing the application. In such a case, a certified copy of the power of attorney shall accompany the application. The Bidder should also furnish a copy of the Certificate of Incorporation, Memorandum and Articles of Association duly authenticated by the statutory auditor and attested by Public Notary.
- 3.4 In case of foreign entities, only entities having registered establishment in India for carrying out its operations for at least last 7 years and meeting all other eligibility criteria, as mentioned in this document, may also apply.

**4.0 Final decision-making authority:**

The Institute reserves the right to accept or reject any Tender and to annul the process and reject all tenders at any time, without assigning any reason or incurring any liability to the Bidders unless such action is warranted by actions of any bidder(s).

**5.0 Particulars provisional:**

The particulars of the work given Tender Documents are provisional. They are liable to change and must be considered only as information to assist the Bidder to tender for proposed work.

**6.0 Site visit:**

The site for the work is available. The Bidders are advised to visit the site of work and its surrounding and obtain for himself on his own responsibility, all information that may be necessary for preparing the Tender. The cost of visiting the site shall be at the Bidder's own expense.

**7.0 Eligibility Criteria:**

- 7.1 The Bidder should have experience of having satisfactorily completed works as mentioned below during the last Seven (7) years ending 31.03.2023.

(i) Three (3) similar works each costing not less than Rs. 2,53,12,334.00

**OR**

Two (2) similar works each costing not less than Rs. 3,79,68,501.00

**OR**

One (1) similar work costing not less than Rs. 5,06,24,668.00

(ii) At least one similar work should have been completed in Ministries/ Departments/Autonomous Bodies/Public Sector Undertakings under Government of India.

A Similar work shall mean works, completed in India, of:

(i) Construction of Building work/Repair maintenance of building /painting work.

Components of works executed other than those included in definition of similar work shall be deducted while calculating cost of similar work. Bidder shall submit abstract of cost of work in support of this.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7% per annum; calculated from the date of completion to last date of receipt of Applications.

- 7.2 The Bidder should have had a minimum average annual financial turnover (gross) of Rs. 6.32 crores on similar building construction works during the last three consecutive balance sheets duly audited by Chartered Accountant. Year in which no turnover is shown should also be considered for working out the average.
- 7.3 The Bidder must submit an undertaking that the bidder is not in default of payment of Statutory dues (other than disputed dues being contested by the Bidder) and that up to date tax returns have been filed along with the payment of due taxes, and submit copies of such returns submitted to the IT Department/Department of Trade and Taxes.
- 7.4 The Bidder should not have incurred any loss in the more than two years during the last three years ending 31<sup>st</sup> March 2023 for which balance sheets, duly certified by the Chartered Accountant, are available.
- 7.5 Profitability: The Bidder should be a Profit (Net) making firm and should have made profit during any two of the past 3 Financial Years ending 31<sup>st</sup> March 2023 for which balance sheets, duly certified by the Chartered Accountant, are available.
- 7.6 **Net worth:** The bidder should have positive net worth of at least will be judged from the Audited Balance Sheet of the last financial year ending 31.03.2023.
- 7.7 Should have a minimum solvency of Rs. 2.54 crore.
- 7.8 Bidder should not have been blacklisted by any State/Central Government Department/Autonomous Bodies or PSU. The bidder must submit a duly notarized affidavit to this effect. **Applications received without affidavit in original shall stand automatically rejected.**
- 7.9 The Bidder should own painting equipment required for the proper and timely execution of the work. The Bidder should furnish a list of these equipment's.
- 7.10 The Bidder should have on his pay roll sufficient number of Technical and Administrative employees for the proper execution of the contract. The Bidder should submit a list of these employees clearly stating how they would be involved in this work.
- 7.11 The bidder shall submit the supporting documents such as:
- a) List of full-time technical staff (clearly mentioning regular/contract staff) proposed to be deployed for the work with name, qualification and experience, each along with complete CV, not exceeding 2 pages.
  - b) Attested copies of Degree/Diploma and experience certificate.

- 7.12 The Bidder's performance for each work completed in the last seven years and in hand should be certified by an officer not below the rank of Executive Engineer or equivalent.
- 7.13 The Bidder needs to make disclosure of any liquidated damages or penalties imposed on it by the clients towards delay in completion of project or for not meeting the contractual specifications, including issues relating to defects, workmanship and warranty obligations.
- 7.14 The Bidder will be required to give an undertaking that it would comply with all statutory laws and compliances, including those applicable to the sub-contractors appointed by him and indemnify the Institute of all implications and consequences resulting from any non-compliances due to any reasons whatsoever.

## 8.0 Evaluation Criteria for Qualification:

8.1 For the purpose of qualification, the details submitted by the Bidders will be evaluated in the following manner:

8.1.1 The initial criteria prescribed in para 7.1 to 7.13 above in respect of experience of similar class of works completed, solvency and financial turn over etc. will first be scrutinized and the Bidder's eligibility for the work to be determined.

The Institute also reserves the right to appoint a committee or any consultants to complete any part of the selection process.

8.2 Even if a Bidder satisfies the above requirements, he may be liable to disqualification if he has:

- (a) Made misleading or false representation or deliberately suppressed the information in the forms, statements and enclosures required in the eligibility criteria document.
- (b) Record of poor performance such as abandoning work, not properly completing the contract, or financial failures/weaknesses etc.
- (c) If confidential inquiry reveals facts contrary to the information provided by the Bidder.
- (d) If confidential inquiry reveals unsatisfactory performance in any of the selection criteria
- (e) If inspection of works in progress or completed by the Bidder are not found satisfactory by the Institute.

## 9.0 Financial Information:

Bidder should furnish the following financial information:

- (a) Annual financial statement for the last three (3) years in (Form 'B'). This should be supported by audited balance sheets and profit and loss accounts duly certified by the statutory auditor and copies of Income Tax Return filed with Income Tax Department.
- (b) The 40 % of Estimated Cost Solvency certificate issued by a Scheduled Bank after date of issue of these Tender documents, in (Form 'C') Name and address of the bankers, identification of individuals familiar with the Bidder's financial standing and a banker's statement on availability of credit.

## 10.0 Experience in works highlighting experience in similar works:

- 10.1** Bidder should furnish the following:
- (a) List of all works of similar nature successfully completed during the last seven years in (Form 'D').
  - (b) List of the projects under execution or awarded in (Form 'E').
  - (c) Calculation of Bidding Capacity in (Form 'E').
- 10.2** Particulars of completed works and performance of the Bidder duly authenticated/certified by an officer not below the rank of Executive Engineer or equivalent should be furnished separately for each work completed or in progress. (Form 'F').
- 11.0 Organization Information:**  
Bidder is required to submit the information in respect of his organization in Form 'A' & 'G'.
- 12.0 Letter of Transmittal:**  
The Bidder should submit the letter of transmittal attached with the document.
- 13.0 Financial Bids:**  
After evaluation of Eligibility Documents, a list of the qualified Bidders will be prepared. Financial Bids of the qualified Bidders will be opened on a later date. Date for Financial Bid's opening will be informed separately to the qualified Bidders.
- 14.0 Miscellaneous:**
- 15.0** The Institute reserves the right, without being liable for any damages or obligation to inform the Bidders, to:
- (a) Reject any or all the Tenders without assigning any reason.
- 15.1** Any effort on the part of the Bidder or his agent to influence or pressurize the Institute would result in rejection of his Tender. Canvassing of any kind is prohibited.
- 15.2** Work shall be executed according to General Conditions of Contract forming part of the Tender Documents. The Institute reserves the right to modify any of the conditions, to its specific requirements.
- 15.3** The Bidding process shall be governed by, and construed in accordance with, the laws of India and the Courts at Rohtak (Haryana) shall have exclusive jurisdiction over all disputes arising under, pursuant to and/or in connection with the Bidding process.
- 15.4** The Institute, in its sole discretion and without incurring any obligations or liability, reserves the right, at any time, to;
- a) Suspend and/or cancel the Tender process and/or amend and/or supplement the Tender process or modify the dates or other terms and conditions relating thereto;
  - b) Consult any Bidder in order to receive clarification or further information;
  - c) Qualify or not to qualify any Bidder and/or to consult any Bidder in order to receive clarification or further information;
  - d) Retain any information and/or evidence submitted to the Institute by, on behalf of, and/or in relation to any Bidder; and/or
  - e) Independently verify, disqualify, reject and/or accept any and all submissions or other information and/or evidence submitted by or on behalf of any Bidder;
  - f) Call for information from previous clients and evaluate the previous completed projects regarding all submissions Including litigations;

- g) Undertake physical verification of completed projects and interact with clients;
  - h) Call for information from taxation authority or by financial auditor, banker, chartered accountant engaged by the Bidder.
- 15.5** It shall be deemed that by submitting the Tender, the Bidder agrees and releases the authority, its employees, agents and advisers, irrevocably, unconditionally, fully and finally from any and all liability for claims, losses, damages, costs, expenses or liabilities in any way related to or arising from the exercise of any rights and/or performance of any obligations hereunder and the Tender Documents, pursuant here to, and/or in connection with the Tender process, to the fullest extent permitted by

Applicable law, and raise any and all rights and/or claims it may have in this respect, whether actual or contingent, whether present or in future.

**Chief Administrative Officer**  
**Indian Institute of Management Rohtak**

**Section-III**  
FORMS FOR QUALIFICATION

**LETTER OF TRANSMITTAL**

From:

(Full Address of Bidder)

To,

Director  
Indian Institute of Management Rohtak  
Sunaria Village, Rohtak -124001, Haryana

Subject: Repair of Civil Work (Exterior/Interior Painting) for Permanent Campus of Indian Institute of Management, Rohtak at Sunaria Village, Rohtak

Sir,

Having examined the details given in Notice Inviting Tender for the above work, I/We hereby submit the requisite documents and other relevant information.

1. I/We hereby certify that all the statements made and information supplied in the enclosed Forms 'A' to 'H' and accompanying statements are true and correct.
2. I/We have furnished all information and details necessary for selection of Contractor and have no further pertinent information to supply.
3. I/We submit the requisite certified solvency certificate and authorize the Director, Indian Institute of Management Rohtak to approach the Bank issuing the solvency certificate to confirm the correctness thereof. I/We also authorize the Institute to approach individuals, employers, firms and corporations to verify our competence and general reputation.
4. I/We have not been blacklisted by any State/Central Government Department or PSU or Autonomous Bodies. I/We have submitted a duly notarized affidavit to this effect.
5. I/We undertake that we would comply with all statutory laws and compliances, including those applicable to the sub-contractors appointed by us and indemnify the Institute of all implications and consequences resulting from any non-compliances due to any reasons whatsoever.
6. I/We submit the certificates as per the Form 'D' in support of our suitability, technical knowledge and capability for having successfully completed the following works:

S. No.	Name of work	Amount		Contact particulars of certificate issuing authority
1.				
2.				
3.				

\* The Bidder shall furnish all contract information such as postal address, telephone and fax numbers, e-mail ids etc. Incomplete information will make the Application liable for rejection.

7. Non-refundable Tender Document Fee amounting to Rs. 5,900/- (Five Thousand Nine Hundred only) online Payable at IIM Rohtak is submitted herewith.
8. Earnest Money Deposit for an amount of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) in the form of a NEFT/RTGS no. \_\_\_\_\_ Issued by \_\_\_\_\_ (name of Bank).
9. Following documents are submitted online herewith
  - i. Document Checklist
  - ii. Form 'A' – Structure & Organization of Bidder (with supporting documents)
  - iii. Form 'B' – Financial Information (with supporting documents)
  - iv. Form 'C' – Banker's Certificate
  - v. Form 'D' – Details of similar works completed (with supporting documents)
  - vi. Form 'E' – Details of similar works in hand (with supporting documents)
  - vii. Form 'F' - Performance reports of works
  - viii. Form 'G' – Details of Technical & Administrative Personnel
  - ix. Form 'H' – Details of Plant & Equipment
  - x. Affidavit
  - xi. Pledge of Compliance
  - xii. Integrity Pact and Integrity Agreement
  - xiii. Online receipt towards Earnest Money Deposit.
  - xiv. Online receipt towards Tender Document Fee
  - xv. Copy of the Tender document, duly signed on each page by authorized signatory.

Seal of Bidder:

Date of Submission:

Signature of Bidder

**CHECKLIST OF SUBMISSIONS (Online)**

No.	Document Name	Yes/No	Remarks
1	Letter of Transmittal		--
2	Form 'A' - Structure & Organization of Bidder		
	<i>Supporting documents (attach copies)</i>		
	<ul style="list-style-type: none"> <li>• Certificate of Incorporation, Certificate of Commencement of Business</li> </ul>		To be certified by Auditor
	<ul style="list-style-type: none"> <li>• Partnership Deed / Memorandum &amp; Articles of Association</li> </ul>		-do-
	<ul style="list-style-type: none"> <li>• Certificate of Registration with Government Departments</li> </ul>		-do-
	<ul style="list-style-type: none"> <li>• Income Tax PAN Card</li> </ul>		-do-
	<ul style="list-style-type: none"> <li>• Registration with EPF &amp; ESIC</li> </ul>		--
3	Form 'B' - Financial Information		To be certified by Auditor
	<i>Supporting documents (for last 5 financial years)</i>		
	<ul style="list-style-type: none"> <li>• Audited Profit &amp; Loss Account Statement</li> </ul>		To be certified by Auditor
	<ul style="list-style-type: none"> <li>• Audited Balance Sheet</li> </ul>		-do-
	<ul style="list-style-type: none"> <li>• Income Tax Return</li> </ul>		--
4	Form 'D' – Details of similar works completed		To be certified by Auditor
	<ul style="list-style-type: none"> <li>• Attach copy of Award Letter(s) with photographs</li> </ul>		-do-
5	Form 'E' - Details of similar works in hand with Bidding Capacity Calculations		-do-
	<ul style="list-style-type: none"> <li>• Attach copy of Award Letter(s) with photographs</li> </ul>		-do-
6	Form 'F' – Performance reports of works (for each work in Form 'D' and Form 'E')		--
7	Form 'G' – Details of Technical & Administrative Personnel to be employed for this work		-do-
8	Form 'H' – Details of Plant & Equipment		-do-
9	Affidavit		To be notarized
10	Pledge of compliance		-do-
11	Integrity Pact and Integrity Agreement		--
12	Copy of the Tender document, duly signed on each page by authorized signatory .		--
<ol style="list-style-type: none"> <li><b><u>All the above documents will have to be arranged serially, duly page numbered.</u></b></li> <li><b><u>All pages will have to be initialed by the Authorized Signatory of the Bidder, duly stamped with the seal of the Bidder</u></b></li> <li><b><u>The Qualification documents shall be hard-bound and each page serial numbered.</u></b></li> </ol>			

**Documents to be upload online with Eligibility Documents.**

Sl. No.	Document Name	Confirm Submission Yes/No	Remarks
1	Bankers' certificate		
2	Online transfer details towards Processing Fee (Non-refundable) of Rs 5,900/- (Rupees Five Thousands Nine Hundred only)		
3	Online transfer details towards Earnest Money Deposit		

## FORM 'A'

## STRUCTURE &amp; ORGANISATION

1	Name & complete address of the Bidder	
2	Telephone no./Telex no./Fax no.	
3	Legal status of the Bidder (attach certified copies of original document defining the legal status)	(a) A proprietary firm (b) A firm in partnership (c) A limited company or Corporation
4	Details of incorporation/commencement of Business	
5	Date of commencement of business	
6	Income Tax Permanent Account No (PAN)	
7	Particulars of registration with various Government Bodies for Construction Works (submit proof, duly attested by Bidder)	
8	Names and designation of Directors & Partners	
9	Name and designation of Authorized Signatory authorized to act for the organization.	
10	Was the Bidder ever required to suspend Construction for a period of more than six months continuously after he commenced the construction? If so, give the name of the project and reasons of suspension of work.	
11	Has the Bidder, or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion? If so,	

	give name of the project and reasons for Abandonment.	
12	Has the Bidder, or any constituent partner in case of partnership firm, ever been debarred/black listed for tendering in any organization at any time? If so, give details.	
13	Has the Bidder or any constituent partner in case of partnership firm, ever been convicted by a court of law? if so, give details.	
14	In which field of Civil Engineering construction, the Bidder has specialization and interest?	
15	Any other information considered necessary related to the Tender that has not been included above.	
16	Name and address particulars of Chartered Accountant/Statutory Auditor verifying the financial information	
17	Name and Complete Address particulars of the Bidder's Bankers	

Date:

Signature of the Bidder/  
Authorized Signatory

Seal of Bidder:

## FORM 'B'

## FINANCIAL INFORMATION

Name of the Bidder .....

A) Bankers Details		
a)	Name of Bank	
b)	Address	
c)	City	
d)	Pin Code	
Details of contact person for verification of particulars		
a)	Name & Designation	
b)	Phone Nos. with STD Code	
c)	E-mail Ids	
d)	Fax No.	
B) Details of Chartered Accountant/Financial Auditors		
a)	Name of Firm/CA	
b)	Address	
c)	City	
d)	Pin Code	
Details of contact person for verification of particulars		
a)	Name & Designation	
b)	Phone Nos. with STD Code	
c)	E-mail Ids	
d)	Fax No.	

- I. Financial Analysis – Details to be furnished duly supported by figures in balance sheet/profit & loss account for the last five years duly certified by the Statutory Auditor.

Fig. in Rs lakhs

Sl. No.	Particulars	Financial Year			Average annual turnover
		2020-21	2021-22	2022-23	
	Mention whether records are audited	Yes/No	Yes/No	Yes/No	
1.	Gross Annual turnover on construction works.				
2.	Profit (+) / Loss (-)				

3	Financial Position				
	a. Cash				
	b. Current Assets				
	c. Current Liabilities				
	d. Working Capital (b-c)				
	e. Net worth				
4.	Whether Audited	Yes/No			

II. Income Tax Return for the last five years (to be attached)

III. Solvency Certificate from Bankers of Bidder in the prescribed Form 'C' issued after date of issue of these Tender documents.

Date:

Signature of the Bidder/  
Authorized Signatory

Seal of Bidder:

Signature of Statutory Auditor/  
Chartered Accountant with Seal

**FORM 'C'**

**FORM OF BANKER'S CERTIFICATE FROM A SCHEDULED BANK**

This is to certify that to the best of our knowledge & information, M/s  
..... having registered office at  
....., a  
customer of our bank, is respectable & can be treated as good for any engagement upto a limit  
of Rs. ....Lakh (Rupees .....Lakh).

This certificate is issued without any guarantee or responsibility on the bank or any of its  
officers.

SIGNATURE  
(FOR BANK)

Note:

- (i) This certificate should have been issued on or after 31.03.2023.
- (ii) Banker's certificate should be on letter head of the Bank, sealed in cover, addressed to Director, Indian Institute of Management Rohtak, Sunaria Village, and Rohtak.
- (iii) In case of partnership firm, certificate should include names of all partners as recorded with the bank.

## FORM 'D'

**DETAILS OF ALL WORKS OF SIMILAR CLASS COMPLETED  
DURING THE LAST SEVEN YEARS ENDING ON 31.03.2023**

Sl. No.	Name of work/project and location	Owner or sponsoring organization	Cost of work in crores of rupees (as per award letter)	Final cost at completion	Date of commencement as per contract	Actual date of commencement	Stipulated date of completion	Actual date of completion	Litigation / arbitration cases pending / in progress with details*	Name and address / telephone number of officer to whom reference may be	Remarks
1	2	3	4	5	6	7	8	9	10	11	12

Note: Please attach attested copies of relevant Document/PO/Complete certificate etc

\* Including gross amount claimed and amount awarded by the Arbitrator.

Date:

Signature of the Bidder/  
Authorized Signatory

Seal of Bidder:

Signature of Statutory Auditor/  
Chartered Accountant with Seal

## FORM 'E'

## PROJECTS UNDER EXECUTION OR AWARDED (As on 31.03.2023)

Sl. No.	Name of work / project and location	Owner or sponsoring organization	Cost of work in crores of rupees (as per award letter)	Date of commencement as per contract	Actual date of commencement	Stipulated date of completion	Upto date percentage progress of work	Slow progress if any and reasons thereof	Name and address / telephone number of officer to whom reference may be made	Remarks
1	2	3	4	5	6	7	8	9	10	11

Note: Please attach attested copies of relevant Document/PO/Complete certificate etc

The Bidding Capacity calculation is shown hereunder:

$$\text{Bidding Capacity} = \{A \times N \times 2\} - B$$

Value of A                      Rs..... Crores

Value of N                      **1.5 years**

Value of B                      Rs..... Crores

Bidding Capacity              Rs..... Crores

**Certified that the above list of works is complete and no work has been left out and that the information given is correct to the best of my knowledge and belief.**

Date:

Signature of the Bidder/  
Authorized Signatory

Seal of Bidder:

Signature of Statutory Auditor/  
Chartered Accountant with Seal

## FORM 'F'

## PERFORMANCE REPORT OF WORKS REFERRED TO IN FORMS "D" &amp; "E"

1. Name of work/project & location
2. Name and address of the authority under whom the works executed:
3. Agreement No.
4. Estimated cost
5. Tendered cost
6. Gross amount of the work completed
7. Date of start
8. Date of completion
  - (i) Stipulated date of completion
  - (ii) Actual date of completion
9. Amount of compensation levied for delayed completion, if any.
10. Amount of reduced rate items, if any
11.
  - i) Did the contractor go for arbitration
  - ii) If yes, total amount of claim
  - iii) Total amount awarded
12. Performance report
 

(1) Quality of work	Very Good/Good/Fair/Poor
(2) Financial soundness	Very Good/Good/Fair/Poor
(3) Technical Proficiency	Very Good/Good/Fair/Poor
(4) Resourcefulness	Very Good/Good/Fair/Poor
(5) General Behaviour	Very Good/Good/Fair/Poor

Dated:

Executive Engineer or Equivalent

## FORM 'G'

**DETAILS OF TECHNICAL & ADMINISTRATIVE PERSONNEL  
TO BE EMPLOYED FOR THE WORK**

S.No.	Name	Designation	Regular /Part- time	Quali- ficati- on	Experience in years		Roles & Respon- sibilitie s	Projec- ts involv- ing	Deploy- ment (part- time/F ull- time)
					Tota- l	In present compan- y			

Date:

Signature of the Bidder/  
Authorised Signatory

Seal of Bidder:

Signature of Statutory Auditor /  
Chartered Accountant with Seal

(TO BE SWORN ON A NON-JUDICIAL STAMP PAPER OF Rs.10/-)**AFFIDAVIT**

\*I/we ..... authorized signatory of..... (Mention name of firm/company and its complete address) .....do hereby solemnly affirm and declare as under: -

1. That \*I/we ..... \*am/are registered as (mention name of \*firm/company) v i d e registration No..... under the provisions of ..... (mention the name of the Act).
2. That\*I/we.....have applied in response to the Tender Documents for Repair of Civil Work (Painting) for Permanent Campus of Indian Institute of Management, Rohtak at Sunaria Village, Rohtak
3. That the above named Bidder is eligible to submit the aforesaid Application, as neither the bidder nor any of its constituents have been barred by the Central Government and/orany State Government in India at any time prior to the date of submitting this affidavit.
4. That the above named Bidder during the last three years has neither failed to perform on any Agreement nor was expelled from any project or Agreement nor any Agreement was terminated for any breach by the bidder.
5. That the above named Bidder has not been blacklisted by any State/Central Government Department/Autonomous Bodies or PSU.
6. That the above named Bidder is not in default of payment of statutory dues (other than disputes being contested by the Bidder).
7. That the above named Bidder confirms that eligible similar work(s) have not been got executed through another contractor on back to back basis.
8. That the above named Bidder confirms and agrees that, if any such violation comes to the notice of Indian Institute of Management, Rohtak (“Owner”) in the future, then the Owner shall be at liberty to initiate appropriate penal and legal action against the Tenderer and to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

DEPONENT

VERIFICATION

\*I/we..... the above named deponent do hereby verify that the contents of the aforesaid paragraphs 1 to 8 are true and correct to the best of\*my/our knowledge and belief and nothing is concealed therefrom.

Verified at .....this .....day of .....

DEPONENT

\* Strike out whichever is not applicable.

**Chief Administrative Officer  
Indian Institute of Management Rohtak**

**Pledge of Compliance**

(To be given by the authorized signatory of the Bidder)

Name:  
Designation:

Date:

**DECLARATION**

I,..... (name & designation with company name), acting on behalf of..... (company name & address), which is an bidder for the Application for (Repair of Civil Work ( Exterior Painting) for Permanent Campus of Indian Institute of Management, Rohtak at Sunaria Village, Rohtak), hereby undertake that my Firm/company is fully conscious that if my Firm/company is selected for providing the services to IIM Rohtak, at NO point of time my Firm/company or its officials performing any responsibility on its behalf, or any associates sub-hired by us for executing any activity in the part of the project assigned to us, shall consciously or callously do anything to delay, obstruct or stall the progress of the project or any activities, decisions or actions related to the project, nor shall it refuse to cooperate or comply with any provisions of the Agreement or with any instructions issued by IIM Rohtak, Including its authorized representatives, officials, PM/PMC and/or MPD (Project Architect) for the stated or unstated reason that IIM Rohtak’s position, approach or assessment related to any elements or aspects of the Project is at variance with the position, approach or assessment of my company or its officials.

It is further undertaken that in the event of any breach of the above undertaking during the entire period of project implementation assigned to my Firm/company, the full responsibility of any losses incurred by IIM Rohtak, including financial, time or reputation losses, as assessed by IIM Rohtak, shall lie with my company and its officials and my company shall fully compensate IIM Rohtak for all such losses without resort to conciliation or arbitration processes.

Date:

Signature of the Bidder/  
Authorized Signatory

Seal of Bidder:

Signature of Statutory Auditor /  
Chartered Accountant with Seal

## INTEGRITY PACT

To,  
 Director,  
 Indian Institute of Management,  
 Rohtak

Subject: **Repair of Civil Work (Exterior/Interior Painting) for Permanent Campus of Indian Institute of Management, Rohtak at Sunaria Village, Rohtak**

Dear Sir,

I/We acknowledge that Indian Institute of Management Rohtak (IIM Rohtak) is committed to following the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/We will stand disqualified from the tendering process. I/We acknowledge that THE MAKING OF THE APPLICATION SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement, in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/bid is finally accepted by IIM-R. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in line with Article 1 of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/our failure to sign and accept the Integrity Agreement, while submitting the tender/bid, IIM-R shall have unqualified, absolute and unfettered right to disqualify the tenderer/bidder and reject the tender/bid in accordance with terms and conditions of the tender/bid.

Yours faithfully

Seal of bidder  
 Date:

Signature(s) of Bidder (s)  
 Name and Address

**INTEGRITY AGREEMENT**

This Integrity Agreement is made at ..... on this ..... Day of.....  
20.....

**BETWEEN**

IIM Rohtak represented through its Director.....,  
(Hereinafter referred as the 'Principal/Owner', which expression shall unless repugnant to  
the meaning or context hereof includes its successors and permitted assigns)

AND

.....

through..... (Hereinafter referred to as the  
"Bidder/Contractor" and which expression shall unless repugnant to the meaning or context  
hereof include its successors and permitted assigns)

**Preamble**

WHEREAS the Principal/Owner has floated the Tender (NIT No ..... )  
(hereinafter referred to as "Tender/Bid") and intends to award, under laid down  
organizational procedure, contract for  
..... (Name of the work)  
hereinafter referred to as the "Contract".

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the  
land, rules, regulations, economic use of resources and of fairness/transparency in its relation  
with its Bidder(s) and Contractor(s).

AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into  
this Integrity Agreement (hereinafter referred to as "Integrity Pact" or "Pact"), the terms and  
conditions of which shall also be read as integral part and parcel of the Tender/Bid  
documents and Contract between the parties.

NOW, THEREFORE, in consideration of mutual covenants contained in this Pact, the  
parties hereby agree as follows and this Pact witnesses as under:

**Article 1: Commitment of the Principal/Owner**

- 1) The Principal/Owner commits itself to take all measures necessary to prevent  
corruption and to observe the following principles:
  - (a) No employee of the Principal/Owner, personally or through any of his/her

NIT NO.: IIMR/CIVIL/FY2023-24/OTE/K-93T

family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

- (a) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
  - (b) The Principal/Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- 2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

**Article 2: Commitment of the Bidder(s)/Contractor(s)**

- 1) It is required that each Bidder/Contractor (Including their respective officers, employees and agents) adhere to the highest ethical standards, and report to the IIM Rohtak all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
- 2) The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
  - a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
  - b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary

Contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.

- c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
  - d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly, Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participates in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.
  - e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
- 3) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
  - 4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Institute interests.
  - 5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

### **Article 3: Consequences of Breach**

Without prejudice to any rights that may be available to the Principal/Owner under

law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

- 1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days' notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.
- 2) Forfeiture of EMD/Performance Guarantee/Security Deposit: If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.
- 3) Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

#### **Article 4: Previous Transgression**

- 1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
- 2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/Owner.

- 3) If the Bidder/Contractor can prove that he has resorted/recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

#### **Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors**

- 1) The Bidder(s)/Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Sub-contractors/sub-vendors.
- 2) The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
- 3) The Principal/Owner will disqualify Bidders, who do not submit, the duly signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

#### **Article 6- Duration of the Pact**

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded.

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, IIM-R.

#### **Article 7- Other Provisions**

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is the Headquarters of the Institute I.e. Principal/Owner, who has floated the Tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
- 4) Should one or several provisions of this Pact turn out to be invalid; the remainder of

this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

- 5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement/Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/Pact or interpretation thereof shall not be subject to arbitration.

**Article 8- LEGAL AND PRIOR RIGHTS**

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

.....  
(For and on behalf of Principal/Owner)

.....  
(For and on behalf of Bidder/Contractor)

WITNESSES:

1. ....  
(Signature, name and address)

2. ....  
(Signature, name and address)

Place:

Dated:

*(To be executed by and between the Owner and the successful tenderer)*

### FORMAT OF AGREEMENT

This agreement is executed at \_\_\_\_\_ (place of execution) on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_ BETWEEN \_\_\_\_\_, which expression shall mean and include its successors and assigns (name and address of the Owner) ("Owner") of the FIRST PART AND \_\_\_\_\_, (name and address of the successful tenderer) ("Contractor") of the SECOND PART.

The Owner and the Contractor shall be individually referred to as the "Party" and collectively referred to as the "Parties"

WHEREAS IIM Rohtak (the Owner) is desirous of developing a permanent campus and invited tenders by issuing Notice Inviting Tender ("Tender") for selection of a contractor for constructing the said campus. The Contractor has submitted its bid pursuant to the issuing of the Tender by the Owner.

WHEREAS the details of the work proposed to be executed by the Contractor is more particularly specified in the Tender (name and identification number of Contract) ("Works") and the Owner has accepted the Tender submitted by the Contractor for the execution and completion of the Works and the remedying of any defects therein, at a contract price of Rs. ....(Rupees \_\_\_\_\_) *(in words)*

WHEREAS the Owner has now desirous of laying down the terms and conditions governing the execution of the Works and has therefore, requested the Contractor to execute the present Agreement.

NOW THIS AGREEMENT WITNESSETH as:

1. In this Agreement, words and expressions shall carry the same meanings as are ascribed to them in the Conditions of Contract as more particularly mentioned in the Tender. The Parties agree that the Tender shall form an integral part of this Agreement and shall be read and construed accordingly.
2. In consideration of the payments to be made by IIM Rohtak (the Owner) to the Contractor as the consideration for execution of the Works ("Consideration"), the Contractor hereby covenants with IIM Rohtak (the Owner) to execute and complete the Works and remedy the defects therein in conformity in all aspects with the provisions of the Tender and this Agreement.
3. The Owner hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and in the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Tender and this Agreement at the times and in the manner prescribed under the Tender.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement:

- i) Notice Inviting Tender
- ii) Contractor's Application and documents submitted for Selection
- iii) Letter of Acceptance;
- iv) Notice to proceed with the Works;
- v) Contractor's Tender;
- vi) Contract Data;
- vii) Conditions of Contract (Including Special Conditions of Contract);
- viii) Specifications;
- ix) Drawings;
- x) Bill of Quantities; and
- xi) Any other documents listed in the Contract Data as forming part of the Contract.

In witness whereof the Parties have caused this Agreement to be executed on the day and year first written above.

The Common Seal of

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was hereunto affixed in the presence of:

Signed Sealed and Delivered by the said

---

Binding Signature of Owner

---

Binding Signature of Contractor

---

in the presence of

---

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**Chief Administrative Officer**  
**Indian Institute of Management Rohtak**

FORM – 8

IIMR

**TENDER**

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work( **Civil Work ( Exterior/Interior Painting) for Permanent Campus buildings of Indian Institute of Management, Rohtak at Sunaria Village, Rohtak**). I/We hereby tender for the execution of the work specified for Director, Indian Institute of Management Rohtak, within the time specified in Schedule 'F' viz., schedule of quantities and in accordance in all respect with the specifications, designs, drawing and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respect of accordance with, such conditions so far as applicable.

**We agree to keep the tender open for ninety (90) days from the date of opening of bid and not to make any modification in its terms and conditions.**

A sum of Rs. \_\_\_\_\_/- is hereby forwarded in demand draft/bank guarantee issued by a scheduled bank as earnest money. If I/We fail to furnish the prescribed performance guarantee within prescribed period, I/We agree that the said Director, Indian Institute of Management Rohtak or his successors representatives, in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that Director Indian Institute of Management Rohtak or the successors representatives in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said the performance guarantee absolutely. The said performance Guarantee shall be a guarantee to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the General Conditions of Contract. Further, I/We agree that in case of forfeiture of Earnest Money & Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated: ..... \*\* .....

Signature of Contractor \*\*

Witness: \*\*

Address: \*\*

Postal Address \*\*

**ACCEPTANCE**

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for an on behalf of the Indian Institute of Management Rohtak for a sum of Rs.....(Rupees.....).

The letters referred to below shall form part of this contract agreement: -

- (a) \*
- (b) \*
- (c) \*

**For & on behalf of Indian Institute  
of Management Rohtak**

**Signature .....**

**Designation .....**

**Dated: .....**

**Chief Administrative Officer  
Indian Institute Of Management Rohtak**

**PROFORMA OF SCHEDULES****SCHEDULE 'A'**

Schedule of quantities for Civil work (Exterior /Interior Painting) has been attached

**SCHEDULE 'B'**

Schedule of materials to be issued to the contractor.

<b>S. No.</b>	<b>Description of item</b>	<b>Quantity</b>	<b>Rates in figures &amp; words at Which the material will be charged to the contractor</b>	<b>Place of issue</b>
NIL				

**SCHEDULE 'C'**

Tools and plants to be hired to the contractor

<b>S. No.</b>	<b>Description</b>	<b>Hire charges per day</b>	<b>Place of Issue</b>
NIL			

**SCHEDULE 'D'**

Extra schedule for specific requirements /document for the work, if any.

- a. Special Conditions of Contract
- b. Particular Specifications
- c. Tender Drawings
- d. Guarantee Certificate

**SCHEDULE 'E'**

Reference to General Conditions of Contract: General Conditions of Contract

<b>Name of work</b>	<b>Civil Work (Exterior /Interior Painting) for Permanent Campus Buildings of Indian Institute of Management, Rohtak at Sunaria Village, Rohtak</b>
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**ESTIMATED COST OF WORK**

I.	Civil Components	<b>Rs. 6,32,80,836.00</b>
III.	Earnest Money	<b>Rs. 12,65,617.00</b>

I.	Performance Guarantee	<b>5% of tendered amount</b>
II.	Security Deposit	<b>5% of tendered value</b>

**SCHEDULE 'F' (GENERAL RULES & DIRECTIONS)**

**OFFICER INVITING TENDER:** Chief Administrative Officer, Indian Institute of Management, Rohtak

**Definitions:**

1.	Engineer-in-Charge	<b>Chief Administrative Officer, Indian Institute of Management, Rohtak</b>
2.	Accepting Authority	<b>Director, Indian Institute of Management, Rohtak or successor thereof.</b>
3.	Percentage on cost of materials and Labour cover all to overheads and profits	<b>15%</b>
4.	Standard Schedule of Rates	<b>DSR' 2021 (Civil) read along with correctionslips/amendments</b>
5.	Department	<b>Indian Institute of Management Rohtak</b>
6.	Contract Form	<b>Form 8, General Conditions of Contract</b>

**Clause 1**

1.	Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance	<b>15 (Fifteen) days</b>
2.	Maximum allowable extension beyond the period provided in (i) above	<b>15 (Fifteen) days with late fee @ 0.1% per day of the PG amount.</b>

**Clause 2**

Authority for fixing compensation under clause 2	<b>Director, Indian Institute of Management Rohtak or successor Thereof.</b>
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Buildings of the project for which separate period of completion shall apply

Sl No	Name of Building	Time allowed for completion from the date of start of the project
1	Repair of Civil Work (Exterior/Interior Painting) for Permanent Campus of Indian Institute of Management, Rohtak at Sunaria Village, Rohtak	<b>05 (Five) months</b>

**Clause 2A**

Whether Clause 2A shall be applicable	<b>No</b>
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**Clause 5**

Number of days from the date of issue of letter of acceptance for reckoning date of start	<b>15 (Fifteen) days or date of Handing over of site whichever is later.</b>
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Mile stones for Civil works

S. No	Description of Milestone (Physical)	Time allowed in months (from date of start)	Amount to be with-held in case of non achievement of mile stone
Sl. No.	<i>Financial Progress</i>		
1	<i>1/8<sup>th</sup> of accepted value</i>	<i>1/4<sup>th</sup> of completion period</i>	1% of tender value
2	<i>3/8<sup>th</sup> of accepted value</i>	<i>1/2<sup>th</sup> of completion period</i>	1% of Tender value
3	<i>3/4<sup>th</sup> of accepted value</i>	<i>3/4<sup>th</sup> of completion period</i>	1% of Tender value
4	<i>Full</i>	<i>Full</i>	

Time allowed for execution of work **05 (Five) Months**

**Authority to decide:**

(i)	Extension of time :-	<b>Director, Indian Institute of Management Rohtak or successor thereof.</b>
(ii)	Rescheduling of mile stones :-	<b>Director, Indian Institute of Management Rohtak or successor thereof.</b>
(iii)	Shifting of date of start in case of delay in handing over of site:	<b>Director, Indian Institute of Management Rohtak or successor thereof.</b>

**Clause 6, 6A**

Clause applicable - (6 or 6A)	<b>6A</b>
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**Clause 7**

Gross work to be done together with net payment / adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment	<b>Rs. 1.25 Crore</b>
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**Clause 10A**

List of testing equipment to be provided by the contractor at site lab as per [TABLE-1] of Annexure-I attached.

**Clause 10B(ii)- Applicable with interest of 12% P.A**

Whether Clause 10 B (i) & (ii) shall be applicable	<b>No</b>
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Whether Clause 10 B (iii) shall be applicable	<b>No</b>
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**Clause 10C**

Component of labour expressed as percent of value of work	Non-Applicable
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**Clause 10CA: - Not Applicable****Clause 10CC: - Not Applicable****Clause 11**

Specifications to be followed for execution of work	<b>CPWD Specifications 2019 volume- I &amp; II</b> read along with correction slips/amendments issued up to 30.07.2022 and CPWD latest specification.
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**Clause 12**

Type of work	: Project and original work.
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2, 12.3	: Please refer below

12.2. 12.3	Deviation limit beyond which clauses 12.2 & 12.3 shall apply for building work	<b>25% (Twenty Five percent)</b> <b>25% (Twenty Five percent)</b>
12.5	i) Deviation Limit beyond which clauses 12.2 & 12.3 shall apply for foundation work.	<b>NA</b>

**Clause 16**

Competent Authority for deciding reduced rates.	<b>Director, Indian Institute of Management Rohtak or successor thereof.</b>
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**Clause 17****Defect liability period - Applicable****Clause 18**

List of mandatory machinery & tools to be deployed by the contractor at site as per Requirement/decided by the Engineer-In –Charge IIM Rohtak.

**The contractor may be required to mobilize additional Tools as per requirement.**

**Clause 25: Constitution of Dispute Redressal Committee: -**

The Dispute Redressal Committee shall be constituted by Director, Indian Institute of Management Rohtak, if required and deemed necessary.

**Clause 36 (i)****Requirement of Technical Representative(s) and Recovery Rates**

Sl. No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical /Technical Representative)	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36 (i)	
						Figures (in Rs.)	Words
1.	Graduate Engineer or Diploma Engineer	Civil	Project/Site Engineer	03 Yrs. 05 Years	2 nos.	40,000/-	(Rupees Forty Thousand only) Per Month

**Clause 42**

(i)	(a)	Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates	<b>DSR 2021 with</b> readalong with upto date correction
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**BRIEF PARTICULARS OF THE WORK**

1. Salient details of the work for which bids are invited are as under:

<b>Name of work</b>	:	<b>Civil Work ( Exterior/Interior Painting) for Permanent Campus Buildings of Indian Institute of Management, Rohtak at Sunaria Village, Rohtak</b>		
<b>Composite Estimated Cost</b>	:	<b>Civil Work ( Exterior/Interior Painting)</b>	=	<b>Rs. 6,32,80,836.00</b>
<b>Period of Completion</b>	:	<b>05 (Five ) Months.</b>		

2. The site is situated at Sunaria Village, NH-10 Southern Bye Pass, Rohtak (Haryana)
3. The proposed work shall consist of civil repair work (painting).
4. Following is the broad scope of work.
- i. Civil work components – scaffolding items, and other building painting equipment
  - ii. External and internal paint finishing works etc.
  - iii. waterproofing cement paint
  - iv. Enamel paint and primer

**Chief Administrative Officer**  
**Indian Institute of Management Rohtak**

**PART-A**  
**GENERAL CONDITIONS OF**  
**CONTRACT**

## CONDITIONS OF CONTRACT

*Name of work:*

*Civil Work (Exterior/Interior Painting) for Permanent Campus buildings of Indian Institute of Management, Rohtak at Sunaria Village, Rohtak*



**INDIAN INSTITUTE OF MANAGEMENT ROHTAK**  
**Sunaria Village, Rohtak – 124001, (Haryana)**

## GENERAL RULES & DIRECTIONS

1. All work proposed for execution for contract will be notified in a form of invitation to tender pasted in public places and signed by the officer inviting tender or by publication in Newspapers as the case may be.

This form will state the work to be carried out, as well as the date for submitting and opening tenders and the time allowed for carrying out the work, also the amount of earnest money to be deposited with the tender, and the amount of the security deposit and Performance Guarantee to be deposited by the successful tenderer and the percentage, if any, to be deducted from bills. Copies of the specifications, design and drawings and any other documents required in connection with the work signed for the purpose of identification by the officer inviting tender shall also be open for inspection by the contractor at the office of officer inviting tender during office hours.

2. In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power of attorney authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act, 1952.

3. Receipts for payment made on account of work, when executed by a firm, must also be signed by all the partners, except where contractors are described in their tender as a firm, in which case the receipts must be signed in the name of the firm by one of the partners, or by some other person having due authority to give effectual receipts for the firm.

4. Application for Item Rate Tender only

Any person who submits a tender shall fill up the usual printed form, stating at what rate he is willing to undertake each item of the work. Tenders, which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort, including conditional rebates, will be summarily rejected. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit separate tender for each. Tender shall have the name and number of the works to which they refer, written on the envelopes.

The rate(s) must be quoted in decimal coinage. Amounts must be quoted in full rupees by ignoring fifty paise and considering more than fifty paise as rupee one.

In case the lowest tendered amount (worked out on the basis of quoted rate of individual items) of two or more contractors is same, then such lowest contractors may be asked to submit sealed revised offer quoting rate of each item of the schedule

of quantity for all sub sections/sub heads as the case may be, but the revised quoted rate of each item of schedule of quantity for all sub sections / sub heads should not be higher than their respective original rate quoted already at the time of submission of tender. The lowest tender shall be decided on the basis of revised offer.

If the revised tendered amount (worked out on the basis of quoted rate of individual items) of two or more contractors received in revised offer is again found to be equal, then the lowest tender, among such contractors, shall be decided by draw of lots in the presence of \_\_\_\_\_ & the lowest contractors those have quoted equal amount of their tenders.

In case of any such lowest contractor in his revised offer quotes rate of any item more than their respective original rate quoted already at the time of submission of tender, then such revised offer shall be treated invalid. Such case of revised offer of the lowest contractor or case of refusal to submit revised offer by the lowest contractor shall be treated as withdrawal of his tender before acceptance and 50% of his earnest money shall be forfeited.

In case all the lowest contractors those have same tendered amount (as a result of their quoted rate of individual items), refuse to submit revised offers, then tenders are to be recalled after forfeiting 50% of EMD of each lowest contractors.

Contractors, whose earnest money is forfeited because of non-submission of revised offer, or quoting higher revised rate(s) of any item(s) than their respective original rate quoted already at the time of submission of his bid shall not be allowed to participate in the re-tendering process of the work.

#### 4A Applicable for Percentage Rate Tender only

In case of Percentage Rate Tenders, contractor shall fill up the usual printed form, stating at what percentage below/above (in figures as well as in words) the total estimated cost given in Schedule of Quantities at Schedule-A, he will be willing to execute the work. The tender submitted shall be treated as invalid if:

1. The contractor does not quote percentage above/below on the total amount of tender or any section/sub head of the tender.
2. The percentage above/below is not quoted in figures & words both on the total amount of tender or any section/sub head of the tender.
3. The percentage quoted above/below is different in figures & words on the total amount of tender or any section/sub head of the tender.

Tenders, which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort Including conditional rebates, will be summarily rejected. No single tender shall include more than one work, but contractors who

wish to tender for two or more works shall submit separate tender for each. Tender shall have the name and number of the works to which they refer, written on the envelopes.

- 4B. In case the lowest tendered amount (estimated cost + amount worked on the basis of percentage above/below) of two or more contractors is same, such lowest contractors will be asked to submit sealed revised offer in the form of letter mentioning percentage above/below on estimated cost of tender Including all sub sections/sub heads as the case may be, but the revised percentage quoted above/below on tendered cost or on each sub section/sub head should not be higher than the percentage quoted at the time of submission of tender. The lowest tender shall be decided on the basis of revised offers.

In case any of such contractors refuses to submit revised offer, then it shall be treated as withdrawal of his tender before acceptance and 50% of earnest money shall be forfeited.

If the revised tendered amount of two more contractors received in revised offer is again found to be equal, the lowest tender, among such contractors, shall be decided by draw of lots in the presence of \_\_\_\_\_ and the lowest contractors those have quoted equal amount of their tenders.

In case all the lowest contractors those have quoted same tendered amount, refuse to submit revised offers, then tenders are to be recalled after forfeiting 50% of EMD of each contractor.

Contractor(s), whose earnest money is forfeited because of non-submission of revised offer, shall not be allowed to participate in the re-tendering process of the work.

5. The officer inviting tender or his duly authorized assistant will open tenders in the presence of any intending contractors who may be present at the time, and will enter the amounts of the several tenders in a comparative statement in a suitable form. In the event of a tender being accepted, a receipt for the earnest money shall thereupon be given to the contractor who shall thereupon for the purpose of identification sign copies of the specifications and other documents mentioned in Rule-I. In the event of a tender being rejected, the earnest money shall thereupon be returned to the contractor remitting the same, without any interest.
6. The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest or any other tender.
7. The receipt of an accountant or clerk for any money paid by the contractor will not be considered as any acknowledgment or payment to the officer inviting tender and the

contractor shall be responsible for seeing that he procures a receipt signed by the officer inviting tender or a duly authorized Cashier.

8. The memorandum of work tendered for and the schedule of materials to be supplied by the department and their issue-rates, shall be filled and completed in the office of the officer inviting tender before the tender form is issued. If a form is issued to an intending tenderer without having been so filled in and incomplete, he shall request the officer to have this done before he completes and delivers his tender.
  9. The tenderers shall sign a declaration under the officials Secret Act 1923, for maintaining secrecy of the tender documents drawings or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them.
- 9A. Use of correcting fluid, anywhere in tender document is not permitted. Such tender is liable for rejection.
10. In the case of Item Rate Tenders, only rates quoted shall be considered. Any tender containing percentage below/above the rates quoted is liable to be rejected. Rates quoted by the contractor in item rate tender in figures and words shall be accurately filled in so that there is no discrepancy in the rates written in figures and words. However, if a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall unless otherwise proved be taken as correct. If the amount of an item is not worked out by the contractor or it does not correspond with the rates written either in figures or in words, then the rates quoted by the contractor in words shall be taken as correct. Where the rates quoted by the contractor in figures and in words tally, but the amount is not worked out correctly, the rates quoted by the contractor will unless otherwise proved be taken as correct and not the amount. In event no rate has been quoted for any item(s), leaving space both in figure(s), word(s), and amount blank, it will be presumed that the contractor has included the cost of this/these item(s) in other items and rate for such item(s) will be considered as zero and work will be required to be executed accordingly. (Applicable for Item Rate Tender only).
  - 10A. In case of Percentage Rate Tenders only percentage quoted shall be considered. Any tender containing item rates is liable to be rejected. Percentage quoted by the contractors in percentage rate tender shall be accurately filled in figures and words, so that there is no discrepancy.
  11. In the case of any tender where unit rate of any item/items appear unrealistic, such tender will be considered as unbalanced and in case the tenderer is unable to provide satisfactory explanation, such a tender is liable to be disqualified and rejected.

12. All rates shall be quoted on the tender form. The amount for each item should be worked out and requisite totals given. Special care should be taken to write the rates in figures as well as in words and the amount in figures only, in such a way that interpolation is not possible. The total amount should be written both in figures and in words. In case of figures, the word 'Rs.' should be written before the figure of rupees and word 'P' after the decimal figures, e.g. 'Rs. 2.15 P' and in case of words, the word, 'Rupees' should precede and the word 'Paise' should be written at the end. Unless the rate is in whole rupees and followed by the word 'only' it should invariably be upto two decimal places. While quoting the rate in schedule of quantities, the word 'only' should be written closely following the amount and it should not be written in the next line. (Applicable for Item Rate Tender only).
- 12A. In Percentage Rate Tender, the tenderer shall quote percentage below/above (in figures as well as in words) at which he will be willing to execute the work. He shall also work out the total amount of his offer and the same should be written in figures as well as in words in such a way that no interpolation is possible. In case of figures, the word 'Rs.' should be written before the figure of rupees and word 'P' after the decimal figures, e.g. 'Rs. 2.15P' and in case of words, the word 'Rupees' should precede and the word 'Paisa' should be written at the end. (Applicable for Item Rate Tender only).
13. (i) The Contractor whose tender is accepted, will be required to furnish performance guarantee of 5% (Five percentage) of the tendered amount within the period specified in Schedule F. The guarantee This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 10,000/-) or Deposit at call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand Draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form.
- (ii) The contractor whose tender is accepted will also be required to furnish by way of Security Deposit for the fulfillment of his contract, an amount equal to 5% of the tendered value of the work. The Security deposit will be collected by deductions from the running bills of the contractor at the rates mentioned above and the earnest money deposited at the time of tenders, will be treated as a part of the Security Deposit. The Security amount will also be accepted in cash or in the shape of Government Securities. Fixed Deposit Receipt of a Scheduled Bank or State Bank of India will also be accepted for this purpose provided confirmatory advice is enclosed.
14. On acceptance of the tender, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from the Institute shall be communicated in writing to the Institute.

15. GST, Building and other Construction Workers Welfare Cess or any other tax, levy or Cess in respect of input for or output by this contract shall be payable by the contractor and Institute shall not entertain any claim whatsoever in this respect except as provided under Clause 38.
16. The contractor shall give a list of Institute's employees related to him.
17. The tender for the work shall not be witnessed by a contractor or contractors who himself/themselves has/have tendered or who may and has/have tendered for the samework. Failure to observe this condition would render, tenders of thecontractors tendering, as well as witnessing the tender, liable to summary rejection.
18. The tender for composite work includes, in addition to building work, all other works such as sanitary and water supply installations drainage installation, electrical work etc. The tenderer apart from being a registered contractor (B&R) of appropriate class, must associate himself with agencies of appropriate class which are eligible to tender for sanitary and water supply drainage, electrical and horticulture works in the composite tender.
19. The contractor shall submit list of works which are in hand (progress) in the following form:

Name of work	Name and particulars of Divn. Where work is being executed	Value of work	Position of works in progress	Remarks

20. The contractor shall comply with the provisions of the Apprentices Act 1961, and the rules and orders issued thereunder from time to time. If he fails to do so, his failure will be a breach of the contract and the Institute, may in his discretion, without prejudice to any other right or remedy available in law, cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

## CONDITIONS OF CONTRACT

### Definitions

1. **The Contract** means the documents forming the tender and acceptance thereof and the formal agreement executed between the competent authority of IIM Rohtak and the Contractor, together with the documents referred to therein Including these conditions, the specifications, designs, drawings and instructions issued from time to time by Institute. All these documents, taken together, shall be deemed to form one contract and shall be complementary to one another.
2. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them:-
  - (i) The expression **works** or **work** shall, unless there be something either in the subject or context repugnant to such construction, be construed and taken to mean the works by or by virtue of the contract to be executed whether temporary or permanent, and whether original, altered, substituted or additional.
  - (ii) **Site** shall mean the land/or other places on, into or through which work is to be executed under the contract or any adjacent land, path or street through which work is to be executed under the contract or any adjacent land, path or street which may be allotted or used for the purpose of carrying out the contract.
  - (iii) **Contractor** shall mean the individual, firm or company, whether representative of such individual or the persons composing such firm or company, or the successors of such firm or company and the permitted assignees of such individual, firm or company.
  - (iv) **Director** means the Director, Indian Institute of Management Rohtak and his successors.
  - (v) **IIM Rohtak** means Indian Institute of Management Rohtak through Director or its assignees and successors or any other official/agency assigned by the Institute.
  - (vi) **Government** shall mean the Government of India or Government of Haryana, as the case may be.
  - (vii) **Accepting Authority** shall mean the Director, IIM Rohtak.
  - (viii) **Excepted Risk** are risks due to riots (other than those on account of contractor's employees), war (whether declared or not) invasion, act of foreign enemies, hostilities, civil war, rebellion revolution, insurrection, military or usurped power, any acts of Government, damages from aircraft, acts of God, such as earthquake, lightening and unprecedented floods, and other causes over which the contractor has no control and accepted as such by the Accepting Authority.

- (ix) **Market Rate** shall be the rate as decided by IIM Rohtak on the basis of the cost of materials and labour at the site where the work is to be executed plus the provisions to cover, all overheads and profits.
- (x) **Schedule(s)** referred to in these conditions shall mean the relevant schedule(s) annexed to the tender papers or the standard Schedule of Rates mentioned in Schedule 'F', hereunder, with the amendments thereto issued upto the date of receipt of the tender.
- (xi) **Institute** means Indian Institute of Management Rohtak which invites tenders on behalf of Director, IIM Rohtak.
- (xii) **District Specifications** means the specifications followed by the State Government in the area where the work is to be executed.
- (xiii) **Tendered value** means the value of the entire work as stipulated in the letter of award.
- (xiv) **Date of commencement of work:** The date of commencement of work shall be the date of start as specified in schedule 'F' or the first date of handing over of the site, whichever is later, in accordance with the phasing if any, as indicated in the tender document.

### Scope and Performance

3. Where the context so requires, words imparting the singular only also include the plural and vice versa. Any reference to masculine gender shall whenever required include feminine gender and vice versa.
4. Headings and Marginal notes to these General Conditions of Contract shall not be deemed to form part thereof or be taken into consideration in the interpretation or construction thereof or of the contract.
5. The contractor shall be furnished, free of cost one certified copy of the contract documents except standard specifications, Schedule of Rates and such other printed and published documents, together with all drawings as may be forming part of the tender papers. None of these documents shall be used for any purpose other than that of this contract.

### Works to be carried out

6. The work to be carried out under the Contract shall, except as otherwise provided in these conditions, include all labour, materials, tools, plants, equipment and transport which may be required in preparation of and for and in the full and entire execution and completion of the works. The descriptions given in the Schedule of Quantities (Schedule-A) shall, unless otherwise stated, be held to include wastage on materials, carriage and cartage, carrying and return of empties, hoisting, setting, fitting and fixing in position and all other labours necessary in and for the full and entire execution and completion of the work as aforesaid in accordance with good practice and recognized principles.

**Sufficiency of Tender**

7. The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in the Schedule of Quantities, which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.

**Discrepancies and Adjustment of Errors**

8. The several documents forming the Contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale drawing and figured dimensions in preference to scale and Special Conditions in preference to General Conditions.

- 8.1 In the case of discrepancy between the Schedule of Quantities, the Specifications and/ or the Drawings, the following order of preference shall be observed:-

- (i) Description of Schedule of Quantities.
- (ii) Particular Specification and Special Conditions, if any.
- (iii) Drawings
- (iv) CPWD Specifications 2009.
- (v) Indian Standard Specifications of B.I.S.

- 8.2 If there are varying or conflicting provisions made in any one document forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the contractor.

- 8.3 Any error in description, quantity or rate in Schedule of Quantities or any omission therefrom shall not vitiate the Contract or release the Contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the contract.

**Signing of Contract**

9. The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of:-

- (i) the notice inviting tender, all the documents including drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
- (ii) Standard Form as mentioned in Schedule 'F' consisting of:
  - (a) Various standard clauses with corrections up to the date stipulated in Schedule 'F' along with annexures thereto.
  - (b) Safety Code.

- (c) Model Rules for the protection of health, sanitary arrangements for workers employed by Institute or its contractors.
  - (d) Contractor's Labour Regulations.
  - (e) List of Acts and omissions for which fines can be imposed.
- (iii) No payment for the work done will be made unless contract is signed by the contractor.

**Chief Administrative Officer**  
**Indian Institute Of Management Rohtak**

## CLAUSES OF CONTRACT

### CLAUSE 1

#### Performance Guarantee

- (i) The contractor whose tender is accepted shall submit an irrevocable Performance Guarantee of 5% (Five percent) of the tendered amount in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement, (not withstanding and/or without prejudice to any other provisions in the contract) within period specified in Schedule 'F' from the date of issue of letter of acceptance. This period can be further extended by Institute up to a maximum period as specified in Schedule 'F' on written request of the contractor stating the reason for delays in procuring the Performance Guarantee, to the satisfaction of Institute. This guarantee shall be in the form of Demand Draft of any scheduled bank/Pay Order of any scheduled bank or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the form annexed hereto. In case a fixed deposit receipt of any Bank is furnished by the contractor to Institute as part of the performance guarantee and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to Institute to make good the deficit. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule F Including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.
- (ii) The Performance Guarantee shall be initially valid up to the stipulated date of completion plus 60 days beyond that. In case the time for completion of work gets enlarged, the contractor shall get the validity of Performance Guarantee extended to cover such enlarged time for completion of work. After recording of the completion certificate for the work by the Engineer-in-charge/ competent authority, the Performance Guarantee shall be returned to the contractor, without any interest. **However, in case of contracts involving maintenance of building and services / any other work after construction of same building and services / other work, then 50% of Performance Guarantee shall be retained as Security Deposit.** The same shall be returned yearwise proportionately.
- (iii) In the event of the contract being determined or rescinded under provision of any of the Clause/Condition of the agreement, the Performance Guarantee shall stand forfeited in full and shall be absolutely at the disposal of the Institute.

**CLAUSE 1 A****Recovery of Security Deposit**

The person/persons whose tender(s) may be accepted (hereinafter called the contractor) shall permit Institute at the time of making any payment to him for work done under the contract to deduct a sum at the rate of 5% (five percent) of the gross amount of each running and final bill till the sum deducted will amount to security deposit of 5% (Five percent) of the tendered value of the work. Such deductions will be made and held by Institute by way of Security Deposit unless he/they has/have deposited the amount of Security at the rate mentioned above in cash or in the form of Government Securities or fixed deposit receipts. In case a fixed deposit receipt of any Bank is furnished by the contractor to the Institute as part of the security deposit and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the Institute to make good the deficit.

All compensations or the other sums of money payable by the contractor under the terms of this contract may be deducted from, or paid by the sale of a sufficient part of his security deposit or from the interest arising therefrom, or from any sums which may be due to or may become due to the contractor by Institute on any account whatsoever and in the event of his Security Deposit being reduced by reason of any such deductions or sale as aforesaid, the contractor shall within 10 days make good in DD or fixed deposit receipt tendered by the State Bank of India or by Scheduled Banks endorsed in favour of the Institute, any sum or sums which may have been deducted from, or raised by sale of his security deposit or any part thereof.

The Security Deposit as deducted above can be released against bank guarantee issued by a scheduled bank, on its accumulations to a minimum of Rs. 5 lacs subject to the condition that amount of such bank guarantee, except last one, shall not be less than Rs. 5 lac. Provided further that the validity of bank guarantee shall be in conformity with provisions contained in clause 17 which shall be extended from time to time depending upon extension of contract granted under provisions of clause 2 and clause 5.

**CLAUSE 2****Compensation for Delay**

If the contractor fails to maintain the required progress in terms of Clause 5 or to complete the work and clear the site on or before the contract or extended date of completion, he shall, without prejudice to any other right or remedy available under the law to

the Institute on account of such breach, pay as agreed compensation the amount calculated at the rates stipulated below as the authority specified in schedule 'F' (whose decision in writing shall be final and binding) may decide on the amount of tendered value of the work for every completed day/month (as applicable) that the progress remains below that specified in Clause 5 or that the work remains incomplete.

This will also apply to items or group of items for which a separate period of completion has been specified.

- |                   |                                 |
|-------------------|---------------------------------|
| (i) Compensation  | @ 1.5 % per month of delay      |
| for delay of work | to be computed on per day basis |

Provided always that the total amount of compensation for delay to be paid under this Condition shall not exceed 10% of the Tendered Value of work or of the Tendered Value of the item or group of items of work for which a separate period of completion is originally given.

The amount of compensation may be adjusted or set-off against any sum payable to the Contractor under this or any other contract with the Institute. In case, the contractor does not achieve a particular milestone mentioned in schedule F, or the re-scheduled milestone(s) in terms of Clause 5.4, the amount shown against that milestone shall be withheld, to be adjusted against the compensation levied at the final grant of Extension of Time. With-holding of this amount on failure to achieve a milestone, shall be automatic without any notice to the contractor. However, if the contractor catches up with the progress of work on the subsequent milestone(s), the withheld amount shall be released based on the decision of the Institute. In case the contractor fails to make up for the delay in subsequent milestone(s), amount mentioned against each milestone missed subsequently also shall be withheld. However, no interest, whatsoever, shall be payable on such withheld amount.

The completion period of the entire work shall be as stipulated in Schedule F. The time limit specified above and as approved in writing by Institute shall be strictly adhered to and followed. Liquidated Damages will be applicable, item wise and against item wise time schedules. Accordingly, the Damages will be based on the value of the Item for which delay has occurred. In case of delay, the penalty shall be recoverable from the Security Deposit provided by the Contractor and if the Security Deposit is not sufficient, then from the Performance Bank Guarantee or any sum payable to the Contractor under this Contract with the IIM Rohtak.

## **CLAUSE 2A**

### **Incentive for early completion**

In case, the contractor completes the work ahead of updated stipulated date of completion considering the effect of extra work (to be calculated on pro-rata basis as cost of extra work X

stipulated period / tendered cost), a bonus @ 1% (one per cent) of the tendered value per month computed on per day basis, shall be payable to the contractor, subject to a maximum limit of 5% (five per cent) of the tendered value. The amount of bonus, if payable, shall be paid along with final bill after completion of work. Provided always that provision of the Clause 2A shall be applicable only when so provided in 'Schedule F'. However, the quality of work completed shall be an important criterion before finalization of incentive, if any.

### **CLAUSE 3**

#### **When Contract can be Determined**

Subject to other provisions contained in this clause, Institute may, without prejudice to its any other rights or remedy against the contractor in respect of any delay, inferior workmanship, any claims for damages and/or any other provisions of this contract or otherwise, and whether the date of completion has or has not elapsed, by notice in writing absolutely determine the contract in any of the following cases:

- (i) If the contractor having been given by Institute a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in an inefficient or otherwise improper or unworkman-like manner shall omit to comply with the requirement of such notice for a period of seven days thereafter.
- (ii) If the contractor has, without reasonable cause, suspended the progress of the work or has failed to proceed with the work with due diligence so that in the opinion of Institute (which shall be final and binding) he will be unable to secure completion of the work by the date for completion and continues to do so after a notice in writing of seven days from Institute.
- (iii) If the contractor fails to complete the work within the stipulated date or items of work with individual date of completion, if any stipulated, on or before such date(s) of completion and does not complete them within the period specified in a notice given in writing in that behalf by Institute.
- (iv) If the contractor persistently neglects to carry out his obligations under the contract and/or commits default in complying with any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by Institute.
- (v) If the contractor shall offer or give or agree to give to any person in Institute's service or to any other person on his behalf any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other contract for Institute.

- (vi) If the contractor shall enter into a contract with Institute in connection with which commission has been paid or agreed to be paid by him or to his knowledge, unless the particulars of any such commission and the terms of payment thereof have been previously disclosed in writing to Institute.
- (vii) If the contractor shall obtain a contract with Institute as a result of wrong tendering or other non-bonafide methods of competitive tendering or commits breach of integrity pact.
- (viii) If the contractor being an individual, or if a firm, any partner thereof shall at any time be adjudged insolvent or have a receiving order or order for administration of his estate made against him or shall take any proceedings for liquidation or composition (other than a voluntary liquidation for the purpose of amalgamation or reconstruction) under any Insolvency Act for the time being in force or make any conveyance or assignment of his effects or composition or arrangement for the benefit of his creditors or purport so to do, or if any application be made under any Insolvency Act for the time being in force for the sequestration of his estate or if a trust deed be executed by him for benefit of his creditors.
- (ix) If the contractor being a company shall pass a resolution or the court shall make an order that the company shall be wound up or if a receiver or a manager on behalf of a creditor shall be appointed or if circumstances shall arise which entitle the court or the creditor to appoint a receiver or a manager or which entitle the court to make a windingup order.
- (x) If the contractor shall suffer an execution being levied on his goods and allow it to be continued for a period of 21 days.
- (xi) If the contractor assigns, transfers, sublets (engagement of labour on a piece-work basis or of labour with materials not to be incorporated in the work, shall not be deemed to be subletting) or otherwise parts with or attempts to assign, transfer, sublet or otherwise parts with the entire works or any portion thereof without the prior written approval of Institute.

When the contractor has made himself liable for action under any of the cases aforesaid, the Accepting Authority on behalf of Institute shall have powers:

- (a) To determine the contract as aforesaid (of which termination notice in writing to the contractor under the hand of Institute shall be conclusive evidence). Upon such determination, the Earnest Money Deposit, Security Deposit already recovered and Performance Guarantee under the contract shall be liable to be forfeited and shall be absolutely at the disposal of the Institute.
- (b) After giving notice to the contractor to measure up the work of the contractor and to

take such whole, or the balance or part thereof, as shall be un-executed out of his hands and to give it to another contractor to complete the work. The contractor, whose contract is determined as above, shall not be allowed to participate in the tendering process for the balance work.

In the event of above courses being adopted by Institute, the contractor shall have no claim to compensation for any loss sustained by him by reasons of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of the contract. And in case action is taken under any of the provision aforesaid, the contractor shall not be entitled to recover or be paid any sum for any work thereof or actually performed under this contract unless and until Institute has certified in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value so certified.

### CLAUSE 3A

In case, the work cannot be started due to reasons not within the control of the contractor within 1/8th of the stipulated time for completion of work or one month whichever is higher, either party may close the contract. In case contractor wants to close the contract, he shall give notice to the department stating the failure on the part of department. In such eventuality, the Performance Guarantee of the contractor shall be refunded within following time limits, but no payment on account of interest, loss of profit or damages etc. shall be payable at all:

- |   |   |         |
|---|---|---------|
| (i) If the Tendered value of work is upto Rs. 45 lac                      | : | 15 days |
| (ii) If the Tendered value of work is more than 45 and upto Rs. 2.5 crore | : | 21 days |
| (iii) If the Tendered value of work exceeds Rs. 2.5 crore                 | : | 30 days |

### CLAUSE 4

#### **Contractor liable to pay Compensation even if action not taken under Clause 3.**

In any case in which any of the powers conferred upon Institute by Clause-3 thereof, shall have become exercisable and the same are not exercised, the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any future case of default by the contractor and the liability of the contractor for compensation shall remain unaffected. In the event of Institute putting in force all or any of the powers vested in him under the preceding clause he may, if he so desires after giving a notice in writing to the contractor, take possession of (or at the sole discretion of Institute which shall be final and binding on the contractor) use as on hire (the amount of the hire money being also in the final determination of Institute) all or any tools, plant, materials and stores, in or upon the works, or the site thereof belonging to the contractor, or procured by the contractor and intended to be

used for the execution of the work/or any part thereof, paying or allowing for the same in account at the contract rates, or, in the case of these not being applicable, at current market rates to be certified by Institute, whose certificate thereof shall be final, and binding on the contractor, clerk of the works, foreman or other authorized agent to remove such tools, plant, materials, or stores from the premises (within a time to be specified in such notice) in the event of the contractor failing to comply with any such requisition, Institute may remove them at the contractor's expense or sell them by auction or private sale on account of the contractor and his risk in all respects and the certificate of Institute as to the expenses of any such removal and the amount of the proceeds and expenses of any such sale shall be final and conclusive against the contractor.

## CLAUSE 5

### **Time and Extension for Delay**

The time allowed for execution of the Works as specified in the Schedule 'F' or the extended time in accordance with these conditions shall be the essence of the Contract. The execution of the works shall commence from such time period as mentioned in schedule 'F' or from the date of handing over of the site whichever is later. If the Contractor commits default in commencing the execution of the work as aforesaid, Institute shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the Performance Guarantee absolutely.

- 5.1 As soon as possible after the Contract is concluded, the Contractor shall submit a Time and Progress Chart for each mile stone and get it approved by the Institute. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the works. It shall indicate the forecast of the dates of commencement and completion of various trades of sections of the work and may be amended as necessary by agreement between Institute and the Contractor within the limitations of time imposed in the Contract documents, and further to ensure good progress during the execution of the work, the contractor shall in all cases in which the time allowed for any work, exceeds one month (save for special jobs for which a separate programme has been agreed upon) complete the work as per the mile stones given in Schedule 'F'.
- 5.2 If the work(s) be delayed by:-
- (i) force majeure, or
  - (ii) abnormally bad weather, or
  - (iii) serious loss or damage by fire, or
  - (iv) civil commotion, local commotion of workmen, strike or lockout, affecting any of the trades employed on the work, or

- (v) delay on the part of other contractors or tradesmen engaged by Institute in executing work not forming part of the Contract, or
- (vi) non-availability of stores, which are the responsibility of Institute to supply or
- (vii) non-availability or break down of tools and Plant to be supplied or supplied by Institute or
- (viii) any other cause which, in the absolute discretion of Institute is beyond the Contractor's control.

then upon the happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the authority as indicated in Schedule 'F' but shall nevertheless use constantly his best endeavours to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of Institute to proceed with the works.

5.3 Request for rescheduling of Mile stones and extension of time, to be eligible for consideration, shall be made by the Contractor in writing within fourteen days of the happening of the event causing delay on the prescribed form to the authority as indicated in Schedule 'F'. The Contractor may also, if practicable, indicate in such a request the period for which extension is desired.

5.4 In any such case the authority as indicated in Schedule 'F' may give a fair and reasonable extension of time and reschedule the mile stones for completion of work. Such extension or rescheduling of the milestones shall be communicated to the Contractor by the authority as indicated in Schedule 'F' in writing, within 3 months or 4 weeks of the date of receipt of such request respectively. Non application by the contractor for extension of time/rescheduling of the milestones shall not be a bar for giving a fair and reasonable extension extension/rescheduling of the milestones by the authority as indicated in Schedule 'F' and this shall be binding on the contractor.

## CLAUSE 6

### Measurements of Work Done

Institute shall, except as otherwise provided, ascertain and determine by measurement, the value in accordance with the contract of work done.

All measurement of all items having financial value shall be entered in Measurement Book and/or level field book so that a complete record is obtained of all works performed under the contract.

All measurements and levels shall be taken jointly by Institute or his authorized representative and by the contractor or his authorized representative from time to time during the progress of the work and such measurements shall be signed and dated by Institute and the contractor or their representatives in token of their acceptance. If the

contractor objects to any of the measurements recorded, a note shall be made to that effect with reason and signed by both the parties.

If for any reason the contractor or his authorized representative is not available and the work of recording measurements is suspended by Institute or his representative, Institute shall not entertain any claim from contractor for any loss or damages on this account. If the contractor or his authorized representative does not remain present at the time of such measurements after the contractor or his authorized representative has been given a notice in writing three (3) days in advance or fails to countersign or to record objection within a week from the date of the measurement, then such measurements recorded in his absence by Institute or his representative shall be deemed to be accepted by the Contractor.

The contractor shall, without extra charge, provide all assistance with every appliance, labour and other things necessary for measurements and recording levels.

Except where any general or detailed description of the work expressly shows to the contrary, measurements shall be taken in accordance with the procedure set forth in the specifications notwithstanding any provision in the relevant Standard Method of measurement or any general or local custom. In the case of items which are not covered by specifications, measurements shall be taken in accordance with the relevant standard method of measurement issued by the Bureau of Indian Standards and if for any item no such standard is available, then a mutually agreed method shall be followed.

The contractor shall give, not less than seven days' notice to Institute or his authorized representative in charge of the work, before covering up or otherwise placing beyond the reach of measurement any work in order that the same may be measured and correct dimensions thereof be taken before the same is covered up or placed beyond the reach of measurement and shall not cover up and place beyond reach of measurement any work without consent in writing of Institute or his authorized representative in charge of the work who shall within the aforesaid period of seven days inspect the work, and if any work shall be covered up or placed beyond the reach of measurements without such notice having been given or Institute's consent being obtained in writing, the same shall be uncovered at the Contractor's expense, or in default thereof no payment or allowance shall be made for such work or the materials with which the same was executed.

Institute or his authorized representative may cause either themselves or through another representative to check the measurements recorded jointly or otherwise as aforesaid and all provisions stipulated herein above shall be applicable to such checking of measurements or levels.

It is also a term of this contract that recording of measurements of any item of work in the measurement book and/or its payment in the interim, on account or final bill shall not be

Considered as conclusive evidence as to the sufficiency of any work or material to which it relates nor shall it relieve the contractor from liabilities from any over measurement or defects noticed till completion of the defects liability period.

## **CLAUSE 6A**

### **Computerized Measurement Book**

Institute shall, except as otherwise provided, ascertain and determine by measurement the value of work done in accordance with the contract. All measurements of all items having financial value shall be entered by the contractor and compiled in the shape of the Computerized Measurement Book (MB) having pages of A-4 size as per the format of the Institute so that a complete record is obtained of all the items of works performed under the contract.

All such measurements and levels recorded by the contractor or his authorized representative from time to time, during the progress of the work, shall be got checked by the contractor from Institute or his authorized representative as per interval or program fixed in consultation with Institute or his authorized representative. After the necessary corrections made by Institute, the measurement sheets shall be returned to the contractor for incorporating the corrections and for resubmission to Institute for the dated signatures by Institute and the contractor or their representatives in token of their acceptance.

Whenever bill is due for payment, the contractor would initially submit draft computerized measurement sheets and these measurements would be got checked/test checked from Institute and/or his authorized representative. The contractor will, thereafter, incorporate such changes as may be done during these checks/test checks in his draft computerized measurements, and submit to the Institute a computerized measurement book, duly bound, and with its pages machine numbered. Institute and/or his authorized representative would thereafter check this MB, and record the necessary certificates for their checks/test checks.

The final, fair, computerized measurement book given by the contractor, duly bound, with its pages machine numbered, should be 100% correct, and no cutting or over-writing in the measurements would thereafter be allowed. If at all any error is noticed, the contractor shall have to submit a fresh computerized MB with its pages duly machine numbered and bound, after getting the earlier MB cancelled by the Institute. Thereafter, the MB shall be taken in the Institute records, and allotted a number as per the Register of Computerized MBs. This should be done before the corresponding bill is submitted to the Institute for payment. The contractor shall submit two spare copies of such computerized MBs for the purpose of reference and record by the various officers of the Institute.

The contractor shall also submit to the Institute separately his computerized Abstract of Cost

and the bill based on these measurements, duly bound, and its pages machine numbered along with two spare copies of the bill. Thereafter, this bill will be processed by the Institute and allotted a number as per the computerized record in the same way as done for the measurement book meant for measurements.

The contractor shall, without extra charge, provide all assistance with every appliance, labour and other things necessary for checking of measurements/levels by Institute or his representative.

Except where any general or detailed description of the work expressly shows to the contrary, measurements shall be taken in accordance with the procedure set forth in the Specifications notwithstanding any provision in the relevant Standard Method of measurement or any general or local custom. In the case of items which are not covered by specifications, measurements shall be taken in accordance with the relevant standard method of measurement issued by the Bureau of Indian Standards and if for any item no such standard is available then a mutually agreed method shall be followed.

The contractor shall give not less than seven days' notice to Institute or his authorized representative in charge of the work before covering up or otherwise placing beyond the reach of checking and/or test checking the measurement of any work in order that the same may be checked and/or test checked and correct dimensions thereof be taken before the same is covered up or placed beyond the reach of checking and/or test checking measurement and shall not cover up and place beyond reach of measurement any work without consent in writing of Institute or his authorized representative in charge of the work who shall within the aforesaid period of seven days inspect the work, and if any work shall be covered up or placed beyond the reach of checking and/or test checking measurements without such notice having been given or Institute's consent being obtained in writing the same shall be uncovered at the Contractor's expense, or in default thereof no payment or allowance shall be made for such work or the materials with which the same was executed.

Institute or his authorized representative may cause either themselves or through another representative to check the measurements recorded by contractor and all provisions stipulated herein above shall be applicable to such checking of measurements or levels.

It is also a term of this contract that checking and/or test checking the measurements of any item of work in the measurement book and/or its payment in the interim, on account of final bill shall not be considered as conclusive evidence as to the sufficiency of any work or material to which it relates nor shall it relieve the contractor from liabilities from any over-measurement or defects noticed till completion of the defects liability period.

**CLAUSE 7****Payment on Intermediate Certificate to be regarded as Advances**

Running account bills shall be submitted by the contractor for the work executed on the basis of such recorded measurements on the format of the Institute in triplicate on or before the date of every month fixed for the same by IIM Rohtak. The contractor shall not be entitled to be paid any interim payment if the gross work done together with net payment/adjustment of advances, if any, since the last such payment is less than the amount specified in Schedule 'F', in which case the interim bill shall be prepared on the appointed date of the month after the requisite progress is achieved. IIM Rohtak shall arrange to have the bill verified by taking or causing to be taken, where necessary, the requisite measurements of the work. In the event of the failure of the contractor to submit the bills, IIM Rohtak shall prepare or cause to be prepared such bills in which event no claims whatsoever due to delays on payment including that of interest shall be payable to the contractor. Payment on account of amount admissible shall be made by IIM Rohtak certifying the sum to which the contractor is considered entitled by way of interim payment at such rates as decided by IIM Rohtak. The amount admissible shall be paid by 10th working day after the day of presentation of the bill by the Contractor to IIM Rohtak together with the account of the material issued by the Institute, or dismantled materials, if any.

All such interim payments shall be regarded as payment by way of advances against final payment only and shall not preclude the requiring of bad, unsound and imperfect or unskilled work to be rejected, removed, taken away and reconstructed or re-erected.

Any certificate given by IIM Rohtak relating to the work done or materials delivered forming part of such payment, may be modified or corrected by any subsequent such certificate(s) or by the final certificate and shall not by itself be conclusive evidence that any work or materials to which it relates is/are in accordance with the contract and specifications. Any such interim payment, or any part thereof shall not in any respect conclude, determine or affect in any way powers of IIM Rohtak under the contract or any of such payments be treated as final settlement and adjustment of accounts or in any way vary or affect the contract.

Pending consideration of extension of date of completion, interim payments shall continue to be made as herein provided without prejudice to the right of the Institute to take action under the terms of this contract for delay in the completion of work, if the extension of date of completion is not granted by the competent authority.

**Each bill shall be accompanied by the following documents.**

- Measurements and quantities of items of Work done since last bill.
- Physical Progress Report along with relevant Photographs.
- Copies of quality control tests in specified format covering the Work done since last bill.

**CLAUSE 8****Completion Certificate and Completion Plans**

Within ten days of the completion of the work, the contractor shall give notice of such completion to Institute and within thirty days of the receipt of such notice, Institute shall inspect the work and if there is no defect in the work, shall furnish the contractor with a final certificate of completion, otherwise a provisional certificate of physical completion indicating defects (a) to be rectified by the contractor and/or (b) for which payment will be made at reduced rates, shall be issued. But no final certificate of completion shall be issued, nor shall the work be considered to be complete until the contractor shall have removed from the premises on which the work shall be executed all scaffolding, surplus materials, rubbish and all huts and sanitary arrangements required for his/their work people on the site in connection with the execution of the works as shall have been erected or constructed by the contractor(s) and cleaned off the dirt completely from all the places which he may have had possession for the purpose of the execution; thereof, and not until the work shall have been measured by Institute.

If the contractor shall fail to comply with the requirements of this Clause as to removal of scaffolding, surplus materials and rubbish and all huts and sanitary arrangements as aforesaid and cleaning off dirt on or before the date fixed for the completion of work, Institute may at the expense of the contractor remove such scaffolding, surplus materials

and rubbish etc., and dispose of the same as he thinks fit and clean off such dirt as aforesaid, and the contractor shall have no claim in respect of scaffolding or surplus materials as aforesaid except for any sum actually realized by the sale thereof.

#### **CLAUSE 8A**

##### **Contractor to Keep Site Clean**

The contractor is required to keep site clean. When any repair or maintenance of works are carried out, the splashes and droppings from white washing, color washing, painting etc., on walls, floor, windows, etc. shall be removed and the surface cleaned simultaneously with the completion of these items of work in the individual rooms, quarters or premises etc. where the work is done: without waiting for the actual completion of all the other items of work in the contract. In case the contractor fails to comply with the requirements of this clause, the Engineer-in-Charge shall have the right to get this work done at the cost of the contractor or through any other agency. Before taking such action, the Engineer-in-Charge shall give ten days' notice in writing to the contractor.

#### **CLAUSE 8B**

##### **Completion Plan to be submitted by the Contractor**

The contractor shall submit completion plan within thirty days of the completion of the work. In case, the contractor fails to submit the completion plan as aforesaid, he shall be liable to pay a sum equivalent to 2.5% of the value of the work subject to a ceiling of Rs. 15,000 (Rs. Fifteen thousand only) as may be fixed by the Institute and in this respect the decision of the Institute shall be final and binding on the contractor.

The contractor shall submit completion plan for water, sewerage and drainage line plan within thirty days of the completion of the work.

In case, the contractor fails to submit the completion plan as aforesaid, the department will get it done through other agency at his cost and actual expenses incurred plus Rs. 15,000/- for the same shall be recovered from the contractor.

#### **CLAUSE 9**

##### **Payment of Final Bill**

The final bill shall be submitted by the contractor in the same manner as specified in interim bills within three months of physical completion of the work or within one month of the date of the final certificate of completion furnished by Institute whichever is earlier. No further claims shall be made by the contractor after submission of the final bill and these shall be deemed to have been waived and extinguished. Payments of those items of the bill in respect of which there is no dispute and of items in dispute, for quantities and rates as approved by

Institute, will, as far as possible be made within the period specified hereinunder, the period being reckoned from the date of receipt of the bill by the Institute or his authorized Engineer/PMC, complete with account of materials issued by the Department and dismantled materials.

- |       |  |   |          |
|-------|--|---|----------|
| (i)   | If the Tendered value of work is upto Rs. 45 lacs                    | : | 2 months |
| (ii)  | If the Tendered value of work is more than 45 and upto Rs. 2.5 Crore | : | 3 months |
| (iii) | If the Tendered value of work exceeds Rs. 2.5 Crore                  | : | 6 months |

The final bill shall be accompanied by:

All technical documents on the basis of which the Work was carried out.

As-built drawings. Three sets of construction and installation drawings for all Works, Including but not limited to, electrical, HVAC, Plumbing, Fire Systems and Site development, showing therein modifications, corrections and additions signed and confirmed by the Engineer-in-Charge to be "as built" drawings. The entire documentation shall be submitted in Compact Discs (CD), using latest version of AUTOCAD software.

1. Completion certificates for embedded and covered-up Works issued by the Engineer-in-Charge.
2. Certificates for tests carried out for various items of Work.
3. Manufacturer's operating and maintenance manuals as well as guarantee/warranty papers, commissioning and handing over reports for whatever equipment/Materials installed.

Security Deposit of 5% (Five percent) of the Contract Value in the form of bank guarantee valid for a Defect liability period from the date of certificate

## **CLAUSE 10**

### **CLAUSE 10 A**

#### **Materials to be provided by the Contractor**

The contractor shall, at his own expense, provide all materials, required for the works. The contractor shall, at his own expense and without delay, supply to Institute samples of materials to be used on the work and shall get these approved in advance. All such materials to be provided by the Contractor shall be in conformity with the specifications laid down or referred to in the contract. The contractor shall, if requested by Institute furnish proof, to the satisfaction of Institute that the materials so comply. Institute shall within thirty days of supply of samples or within such further period as he may require intimate to the Contractor in writing whether samples are approved by him or not. If samples are not approved, the Contractor shall forthwith arrange to supply to Institute for his approval, fresh samples complying with the specifications laid down in the contract. When materials are required to be tested in accordance with specifications, approval of Institute shall be issued after the

test results are received.

The Contractor shall at his risk and cost submit the samples of materials to be tested or analyzed and shall not make use of or incorporate in the work any materials represented by the samples until the required tests or analysis have been made and materials finally accepted by Institute. The Contractor shall not be eligible for any claim or compensation either arising out of any delay in the work or due to any corrective measures required to be taken on account of and as a result of testing of materials.

The contractor shall, at his risk and cost, make all arrangements and shall provide all facilities as Institute may require for collecting, and preparing the required number of samples for such tests at such time and to such place or places as may be directed by Institute and bear all charges and cost of testing unless specifically provided for

Otherwise elsewhere in the contract or specifications. Institute or his authorized representative shall at all times have access to the works and to all workshops and places where work is being prepared or from where materials, manufactured articles or machinery are being obtained for the works and the contractor shall afford every facility and every assistance in obtaining the right to such access.

Institute shall have full powers to require the removal from the premises of all materials which in his opinion are not in accordance with the specifications and in case of default, Institute shall be at liberty to employ at the expense of the contractor, other persons to remove the same without being answerable or accountable for any loss or damage that may happen or arise to such materials. Institute shall also have full powers to require other proper materials to be substituted thereof and in case of default, Institute may cause the same to be supplied and all costs which may attend such removal and substitution shall be borne by the Contractor.

The contractor shall at his own expense, provide a material testing lab at the for conducting routine field tests. The lab shall be equipped at least with the testing equipment as specified in schedule F.

#### **Dismantled Material to be Institute's Property**

The contractor shall treat all materials obtained during dismantling of a structure, excavation of the site for a work, etc. as Institute's property and such materials shall be disposed off to the best advantage of Institute according to the instructions in writing issued by Institute.

#### **CLAUSE 11**

##### **Work to be executed in Accordance with Specifications, and Orders etc.**

The contractor shall execute the whole and every part of the work in the most substantial and workmanlike manner both as regards materials and otherwise in every respect in strict accordance with the specifications. The contractor shall also conform exactly, fully and faithfully to the design, drawings and instructions in writing in respect of the work signed by Institute.

The contractor shall comply with the provisions of the contract and with the care and diligence execute and maintain the works and provide all labour and materials, tools and plants Including for measurements and supervision of all works, structural plans and other things of temporary or permanent nature required for such execution and maintenance in so far as the necessity for providing these, is specified or is reasonably inferred from the contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of construction.

The contractor shall have to produce and take an approval of the required shop drawings to execute the work from the client/PMC. Contractor has to plan a schedule in advance for the necessary Shop Drawing and has to submit to the Engineer-In-Charge or any other official designated to represent IIM Rohtak to get approval from Design Consultant if required for an

approval of execution at-least fifteen days before the actual execution day.

## **CLAUSE 12**

### **Deviations/Variations Extent and Pricing**

Institute shall have power (i) to make alteration in, omissions from, additions to, or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and (ii) to omit a part of the works in case of non-availability of a portion of the site or for any other reasons and the contractor shall be bound to carry out the works in accordance with any instructions given to him in writing signed by Institute and such alterations, omissions, additions or substitutions shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main work except as hereafter provided.

**12.1** The time for completion of the works shall, in the event of any deviations resulting in additional cost over the tendered value sum being ordered, be extended, if requested by the contractor, as follows :

- (i) In the proportion which the additional cost of the altered, additional or substituted work, bears to the original tendered value plus
- (ii) 25% of the time calculated in (i) above or such further additional time as may be considered reasonable by Institute.

### **Deviation, Extra Items and Pricing**

#### **12.2 A. For Project and Original Works :**

In the case of Extra item(s) (items that are completely new, and are in addition to the items contained in the contract), the contractor may within fifteen days of receipt of order or occurrence of the item(s) claim rates, supported by proper analysis, for the work and Institute shall within prescribed time limit of the receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.

#### **B. For Maintenance works Including works of upgradation, aesthetic, special repair, addition / alteration:**

In the case of Extra item(s) and deviation items, the payment of the schedule items and non-schedule items shall be made as per the prevailing market rate.

### **Deviation, Substituted Items, Pricing**

**A. For Project and Original Works :**

In the case of Substituted items (items that are taken up with partial substitution or in lieu of items of work in the contract), the rate for the agreement item (to be substituted) and substituted item shall also be determined in the manner as mentioned in the following para.

- a) If the market rate for the substituted item so determined is more than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so increased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted).
- b) If the market rate for the substituted item so determined is less than the market rate of the agreement item (to be substituted), the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so decreased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted).

**B. For Maintenance works including works of upgradation, aesthetic, special repair, addition / alteration:**

In the case of Substitute items, the payment of the schedule items and non-schedule items shall be made as mentioned above, through prevailing market rates.

**Deviation Deviated Quantities, Pricing****A. For Project and Original Works :**

In the case of contract items, substituted items, contract cum substituted items, which exceed the limits laid down in schedule F, the contractor may within fifteen days of receipt of order or occurrence of the excess, claim revision of the rates, supported by proper analysis for the work in excess of the above mentioned limits, provided that if the rates so claimed are in excess of the rates specified in the schedule of quantities, Institute shall within prescribed time limit of receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.

**B. For Maintenance works including works of upgradation, aesthetic, special repair, addition /alternation:**

In the case of contract items, which exceed the limits laid down in Schedule F, the contractor shall be paid rates specified in the schedule of quantities.

In prescribed time limits for finalizing rates for Extra Item(s), Substitute Item(s) and Deviated Quantities of contract items are as under:

- (i) If the Tendered value of work is upto Rs. 45 lacs :30 days
- (ii) If the Tendered value of work is more than 45 and upto Rs. 2.5 crore : 45 days
- (iii) If the Tendered value of work exceeds Rs. 2.5 crore : 60 days

**12.3 A. For Project and Original Works:**

The provisions of the preceding paragraph shall also apply to the decrease in the rates of items for the work in excess of the limits laid down in Schedule F, and Institute shall after giving notice to the contractor within one month of occurrence of the excess and after taking into consideration any reply received from him within fifteen days of the receipt of the notice, revise the rates for the work in question within one month of the expiry of the said period of fifteen days having regard to the market rates.

**B. For Maintenance works Including works of upgradation, aesthetic, special repair, addition /alternation:**

In the case of decrease in the rates prevailing in the market of items for the work in excess of the limits laid down in Schedule F, the Institute shall after giving notice to the contractor within one month of occurrence of the excess and after taking into consideration any reply received from him within fifteen days of the receipt of the notice, revise the rates for the work in question within one month of the expiry of the said period of fifteen days having regard to the market rates.

**12.4** The contractor shall send to Institute once every three months, an up to date account giving complete details of all claims for additional payments to which the contractor may consider himself entitled and of all additional work ordered by Institute which he has executed during the preceding quarter failing which the contractor shall be deemed to have waived his right. However, the Accepting Authority may authorise consideration of such claims on merits.

**12.5** For the purpose of operation of Schedule "F", the following works shall be treated as works relating to foundation unless & otherwise defined in the contract:

- (i) For Buildings : All works up to 1.2 metres above ground level or up to floor 1 level whichever is lower.
- (ii) For abutments, piers and well staining : All works up to 1.2 m above the bed level.
- (iii) For retaining walls, wing walls, compound walls, chimneys, over head reservoirs/tanks and other elevated structures : All works up to 1.2 metres above the ground level.
- (iv) For reservoirs/tanks (other than overhead reservoirs/tanks) : All works up to 1.2 metres above the ground level.
- (v) For basement: All works up to 1.2 m above ground level or up to floor 1 level whichever is lower.
- (vi) For Roads, all items of excavation and filling Including treatment of sub base.

**12.6** Any operation incidental to or necessarily has to be in contemplation of tenderer

while filing tender, or necessary for proper execution of the item included in the Schedule of quantities or in the schedule of rates mentioned above, whether or not, specifically indicated in the description of the item and the relevant specifications, shall be deemed to be included in the rates quoted by the tenderer or the rate given in the said schedule of rates, as the case may be. Nothing extra shall be admissible for such operations.

### **CLAUSE 13**

#### **Foreclosure of Contract due to Abandonment or Reduction in Scope of Work**

If at any time after acceptance of the tender, Institute shall decide to abandon or reduce the scope of the works for any reason whatsoever and hence not require the whole or any part of the works to be carried out, Institute shall give notice in writing to that effect to the contractor and the contractor shall act accordingly in the matter. The contractor shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the works in full but which he did not derive in consequence of the foreclosure of the whole or part of the works.

The contractor shall be paid at contract rates, full amount for works executed at site and, in addition, a reasonable amount as certified by Institute for the items hereunder mentioned which could not be utilized on the work to the full extent in view of the foreclosure;

- (i) Any expenditure incurred on preliminary site work, e.g. temporary access roads, temporary labour huts, staff quarters and site office; storage accommodation and water storage tanks.
- (ii) Institute shall have the option to take over contractor's materials or any part thereof either brought to site or of which the contractor is legally bound to accept delivery from suppliers (for incorporation in or incidental to the work) provided. For materials taken over or to be taken over by Institute, cost of such materials as detailed by Institute shall be paid. The cost shall, however, take into account purchase price, cost of transportation and deterioration or damage which may have been caused to materials whilst in the custody of the contractor.
- (iii) If any materials supplied by Institute are rendered surplus, the same except normal wastage shall be returned by the contractor to Institute at rates not exceeding those at which these were originally issued, less allowance for any deterioration or damage which may have been caused whilst the materials were in the custody of the contractor. In addition, cost of transporting such materials from site to Institute stores, if so required by Institute, shall be paid.
- (iv) Reasonable compensation for transfer of T & P from site to contractor's permanent stores or to his other works, whichever is less. If T & P are not transported to either of the said places, no cost of transportation shall be payable.
- (v) Reasonable compensation for repatriation of contractor's site staff and imported labour to the extent necessary.

The contractor shall, if required by Institute, furnish to him, books of account, wage books, time sheets and other relevant documents and evidence as may be necessary to enable him to certify the reasonable amount payable under this condition.

The reasonable amount of items on (i), (iv) and (v) above shall not be in excess of 2% of the cost of the work remaining incomplete on the date of closure, i.e. total stipulated cost of the work as per accepted tender less the cost of work actually executed under the contract and less the cost of contractor's materials at site taken over by Institute as per item (ii) above. Provided always that against any payments due to the contractor on this account or otherwise, Institute shall be entitled to recover or be credited with any outstanding balances due from the contractor for advance paid in respect of any tool, plants and materials and any other sums which at the date of termination were recoverable by the Institute from the contractor under the terms of the contract.

A compensation for such eventuality, on account of damages etc. shall be payable @0.5% of cost of work remaining incomplete on date of closure i.e. total stipulated cost of the work less the cost of work actually executed under the contract shall be payable.

#### **CLAUSE 14**

##### **Carrying out part work at risk & cost of contractor**

If contractor:

- (i) At any time makes default during currency of work or does not execute any part of the work with due diligence and continues to do so even after a notice in writing of 7 days in this respect from Institute; or
- (ii) Commits default in complying with any of the terms and conditions of the contract and does not remedy it or takes effective steps to remedy it within 7 days even after a notice in writing is given in that behalf by Institute; or
- (iii) Fails to complete the work(s) or items of work with individual dates of completion, on or before the date(s) so determined, and does not complete them within the period specified in the notice given in writing in that behalf by Institute.

Institute without invoking action under Clause 3 may, without prejudice to any other right or remedy against the contractor which have either accrued or accrue thereafter to Institute, by a notice in writing to take the part work/part incomplete work of any item(s) out of his hands and shall have powers to:

- (a) Take possession of the site and any materials, constructional plant, implements, stores, etc., thereon; and/or
- (b) Carry out the part work/part incomplete work of any item(s) by any means at the risk and cost of the contractor.

Institute shall determine the amount, if any, is recoverable from the contractor for completion of the part work/part incomplete work of any item(s) taken out of his hands and

execute at the risk and cost of the contractor, the liability of contractor on account of loss or damage suffered by Institute because of action under this clause shall not exceed 10% of the tendered value of the work.

In determining the amount, credit shall be given to the contractor with the value of work done in all respect in the same manner and at the same rate as if it had been carried out by the original contractor under the terms of his contract, the value of contractor's materials taken over and incorporated in the work and use of plant and machinery belonging to the contractor. The certificate of Institute as to the value of work done shall be final and conclusive against the contractor provided always that action under this clause shall only be taken after giving notice in writing to the contractor. Provided also that if the expenses incurred by the Institute are less than the amount payable to the contractor at his agreement rates, the difference shall not be payable to the contractor.

Any excess expenditure incurred or to be incurred by Institute in completing the part work/part incomplete work of any item(s) or the excess loss of damages suffered or may be suffered by Institute as aforesaid after allowing such credit shall without prejudice to any other right or remedy available to Institute in law or per as agreement be recovered from any money due to the contractor on any account, and if such money is insufficient, the contractor shall be called upon in writing and shall be liable to pay the same within 30 days.

If the contractor fails to pay the required sum within the aforesaid period of 30 days, Institute shall have the right to sell any or all of the contractors' unused materials, constructional plant, implements, temporary building at site, etc. and adjust the proceeds of sale thereof towards the dues recoverable from the contractor under the contract and if thereafter there remains any balance outstanding, it shall be recovered in accordance with the provisions of the contract.

In the event of above course being adopted by Institute, the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials or entered into any engagements or made any advance on any account or with a view to the execution of the work or the performance of the contract.

## **CLAUSE 15**

### **Suspension of work**

- (i) The contractor shall, on receipt of the order in writing of Institute, (whose Suspension of decision shall be final and binding on the contractor) suspend the progress of the works or any part thereof for such time and in such manner as Institute may consider necessary so as not to cause any damage or injury to the work already done or endanger the safety thereof for any of the following reasons:
  - (a) on account of any default on the part of the contractor or;
  - (b) for proper execution of the works or part thereof for reasons other than the default

- of the contractor; or  
 (c) for safety of the works or part thereof.

The contractor shall, during such suspension, properly protect and secure the works to the extent necessary and carry out the instructions given in that behalf by Institute.

- (ii) If the suspension is ordered for reasons (b) and (c) in sub-para (i) above:
- (a) the contractor shall be entitled to an extension of time equal to the period of every such suspension PLUS 25%, for completion of the item or group of items of work for which a separate period of completion is specified in the contract and of which the suspended work forms a part, and;
- (b) If the total period of all such suspensions in respect of an item or group of items or work for which a separate period of completion is specified in the contract exceeds thirty days, the contractor shall, in addition, be entitled to such compensation as Institute may consider reasonable in respect of salaries and/or wages paid by the contractor to his employees and labour at site, remaining idle during the period of suspension, adding thereto 2% to cover indirect expenses of the contractor provided the contractor submits his claim supported by details to Institute within fifteen days of the expiry of the period of 30 days.
- (iii) If the works or part thereof is suspended on the orders of Institute for more than three months at a time, except when suspension is ordered for reason (a) in sub-para (i) above, the contractor may after receipt of such order serve a written notice on Institute requiring permission within fifteen days from receipt by Institute of the said notice, to proceed with the work or part thereof in regard to which progress has been suspended and if such permission is not granted within that time, the contractor, if he intends to treat the suspension, where it affects only a part of the works as an omission of such part by Institute or where it affects whole of the works, as an abandonment of the works by Institute, shall within ten days of expiry of such period of 15 days give notice in writing of his intention to Institute. In the event of the contractor treating the suspension as an abandonment of the contract by Institute, he shall have no claim to payment of any compensation on account of any profit or advantage which he might have derived from the execution of the work in full but which he could not derive in consequence of the abandonment. He shall, however, be entitled to such compensation, as Institute may consider reasonable, in respect of salaries and/or wages paid by him to his employees and labour at site, remaining idle in consequence adding to the total thereof 2% to cover indirect expenses of the contractor provided the contractor submits his claim supported by details to Institute within 30 days of the expiry of the period of 3 months.

#### **CLAUSE 15A**

The contractor shall not be entitled to claim any compensation from Institute for the loss suffered by him on account of delay by Institute in the supply of materials in schedule

'B' where such delay is covered by difficulties relating to the supply of wagons, force majeure Including non-allotment of such materials by controlling authorities, Act of God, Acts of enemies of the State/country or any reasonable cause beyond the control of the Institute.

This Clause 15A will not be applicable for works where no material is stipulated.

## **CLAUSE 16**

### **Action in case work not done as per Specifications**

All works under or in course of execution or executed in pursuance of the contract, shall at all times be open and accessible to the inspection and supervision of Institute, his authorized subordinates in charge of the work and all the superior officers, or any organization engaged by the Institute for Quality Assurance and of the Chief Technical Examiner's Office, and the contractor shall, at all times, during the usual working hours and at all other times at which reasonable notice of the visit of such officers has been given to the contractor, either himself be present to receive orders and instructions or have a responsible agent duly accredited in writing, present for that purpose. Orders given to the Contractor's agent shall be considered to have the same force as if they had been given to the contractor himself.

If it appears to Institute or to the officers of the organization engaged by the Institute for Quality Assurance or to the Chief Technical Examiner or his subordinate officers, that any work has been executed with unsound, imperfect, or unskillful workmanship, or with materials or articles provided by the contractor for the execution of the work which are unsound or of a quality inferior to that contracted or otherwise not in accordance with the contract, the contractor shall, on demand in writing which shall be made within twelve months of the completion of the work from Institute specifying the work, materials or articles complained of notwithstanding that the same may have been passed, certified and paid for forthwith rectify, or remove and reconstruct the work so specified in whole or in part, as the case may require or as the case may be, remove the materials or articles so specified and provide other proper and suitable materials or articles at his own charge and cost. In the event of the failing to do so within a period specified by Institute in his demand aforesaid, then the contractor shall be liable to pay compensation at the same rate as under Clause 2 of the contract (for non-completion of the work in time) for this default.

In such case Institute may not accept the item of work at the rates applicable under the contract but may accept such items at reduced rates as the authority specified in schedule 'F' may consider reasonable during the preparation of on account bills or final bill if the item is so acceptable without detriment to the safety and utility of the item and the structure or he may reject the work outright without any payment and/or get it and other connected and incidental items rectified, or removed and re-executed at the risk and cost of the contractor. Decision of Institute to be conveyed in writing in respect of

the same will be final and binding on the contractor.

#### **CLAUSE 17**

##### **Contractor Liable for Damages, defects during maintenance period**

If the contractor or his working people or servants shall break, deface, injure or destroy any part of building in which they may be working, or any building, road, road kerb, fence, enclosure, water pipe, cables, drains, electric or telephone post or wires, trees, grass or grassland, or cultivated ground contiguous to the premises on which the work or any part is being executed, or if any damage shall happen to the work while in progress, from any cause whatever or if any defect, shrinkage or other faults appear in the work within twelve months after a certificate, final or otherwise of its completion shall have been given by Institute as aforesaid arising out of defect or improper materials or workmanship the contractor shall upon receipt of a notice in writing on that behalf make the same good at his own expense or in default Institute cause the same to be made good by other workmen and deduct the expense from any sums that may be due or at any time thereafter may become due to the contractor, or from his security deposit or the proceeds of sale thereof or of a sufficient portion thereof. The security deposit of the contractor shall not be refunded before the expiry of twelve months after the issue of the certificate final or otherwise, of completion of work, or till the final bill has been prepared and passed whichever is later.

Provided that in the case of road work, if in the opinion of Institute, half of the security deposit is sufficient, to meet all liabilities of the contractor under this contract, half of the security deposit will be refundable after six months and the remaining half after twelve months of the issue of the said certificate of completion or till the final bill has been prepared and passed whichever is later.

In case of Maintenance and Operation works of E&M services, the security deposit deducted from contractors shall be refunded within one month from the date of final payment or within one month from the date of completion of the maintenance contract whichever is earlier.

#### **CLAUSE 18**

##### **Contractor to Supply Tools & Plants, etc.**

The contractor shall provide at his own cost all materials (except such special materials, if any, as may in accordance with the contract be supplied from Institute's stores), machinery, tools & plants as specified in Schedule F. In addition to this, appliances, implements, other plants, ladders, cordage, tackle, scaffolding and temporary works required for the proper execution of the work, whether original, altered or substituted and whether included in the specifications or other documents forming part of the contract or referred to in these conditions or not, or which may be necessary for the

purpose of satisfying or complying with the requirements of Institute as to any matter as to which under these conditions he is entitled to be satisfied, or which he is entitled to require together with carriage therefor to and from the work. The contractor shall also supply without charge the requisite number of persons with the means and materials, necessary for the purpose of setting out works, and counting, weighing and assisting the measurement for examination at any time and from time to time of the work or materials.

Failing his so doing, the same may be provided by Institute at the expense of the contractor and the expenses may be deducted, from any money due to the contractor, under this contract or otherwise and/or from his security deposit or the proceeds of sale thereof, or of a sufficient portions thereof.

#### **CLAUSE 18A**

##### **Recovery of Compensation paid to workmen**

In every case in which by virtue of the provisions sub-section (1) of Section 12, of the Workmen's Compensation Act, 1923, Institute is obliged to pay compensation to a workman employed by the contractor, in execution of the works, Institute will recover from the contractor, the amount of the compensation so paid; and, without prejudice to the rights of the Institute under sub-section (2) of Section 12, of the said Act, Institute shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by Institute to the contractor whether under this contract or otherwise. Institute shall not be bound to contest any claim made against it under sub-section (1) of Section 12, of the said Act, except on the written request of the contractor and upon his giving to Institute full security for all costs for which Government might become liable in consequence of contesting such claim.

#### **CLAUSE 18B**

##### **Ensuring Payment and Amenities to Workers if Contractor fails**

In every case in which by virtue of the provisions of the Contract Labour (Regulation and Abolition) Act, 1970, and of the Contract Labour (Regulation and Abolition) Central Rules, 1971, Institute is obliged to pay any amounts of wages to a workman employed by the contractor in execution of the works, or to incur any expenditure in providing welfare and health amenities required to be provided under the above said Act and the rules under Clause 19 (H) or under any relevant Contractor's Labour Regulations, or under the Rules framed by Government from time to time for the protection of health and sanitary arrangements for workers employed by Institute's Contractors, Institute will recover from the contractor, the amount of wages so paid or the amount of expenditure so incurred; and without prejudice to the rights of the Institute under sub-section(2) of Section 20, and sub-section (4) of Section 21, of the Contract Labour (Regulation and Abolition) Act, 1970, Institute shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum

due by Institute to the contractor whether under this contract or otherwise Institute shall not be bound to contest any claim made against it under sub-section (1) of Section 20, sub-section (4) of Section 21, of the said Act, except on the written request of the contractor and upon his giving to the Institute full security for all costs for which Institute might become liable in contesting such claim.

#### **CLAUSE 19**

##### **Labour Laws to be complied by the Contractor**

The contractor shall obtain a valid licence under the Contract Labour (R&A) Act, 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971, before the commencement of the work, and continue to have a valid license until the completion of the work. The contractor shall also abide by the provisions of the Child Labour (Prohibition and Regulation) Act, 1986.

The contractor shall also comply with the provisions of the Building and other Construction Workers (Regulation of Employment & Conditions of Service) Act, 1996 and the Building and other Construction Workers Welfare Cess Act, 1996 and any Rules frame thereunder.

As per labour law, No Labour/ person shall be deployed by the contractor to work more than 09 Hours including Lunch break and weekly working should not exceed beyond 48-50 Hours. Any failure to fulfil these requirements shall attract the penal provisions of this contract arising out of the resultant non-execution of the work.

#### **CLAUSE 19A**

No labour below the age of fourteen years shall be employed on the work.

#### **CLAUSE 19B**

##### **Payment of Wages**

Payment of wages:

- (i) The contractor shall pay to labour employed by him either directly or through sub-contractors, wages not less than fair wages as defined in the Contractor's Labour Regulations or as per the provisions of the Contract Labour (Regulation and Abolition) Act, 1970 and the contract Labour (Regulation and Abolition) Central Rules, 1971, wherever applicable.
- (ii) The contractor shall, notwithstanding the provisions of any contract to the contrary, cause to be paid fair wage to labour indirectly engaged on the work, including any labour engaged by his sub-contractors in connection with the said work, as if the labour had been immediately employed by him.
- (iii) In respect of all labour directly or indirectly employed in the works for performance of the contractor's part of this contract, the contractor shall comply with or cause to be complied with the Contractor's Labour Regulations made by Government from time to time in regard to payment of wages, wage period, deductions from wages recovery of wages not paid and deductions unauthorized made, maintenance of

wage books or wage slips, publication of scale of wages and other terms of employment, inspection and submission of periodical returns and all other matters of the like nature or as per the provisions of the Contract Labour (Regulation and Abolition) Act, 1970, and the Contract Labour (Regulation and Abolition) Central Rules, 1971, wherever applicable.

- (iv) (a) Institute concerned shall have the right to deduct from the moneys due to the contractor any sum required or estimated to be required for making good the loss suffered by a worker or workers by reason of non-fulfilment of the conditions of the contract for the benefit of the workers, non-payment of wages or of deductions made from his or their wages which are not justified by their terms of the contract or non-observance of the Regulations.
  - (b) Under the provision of Minimum Wages (Central) Rules, 1950, the contractor is bound to allow to the labours directly or indirectly employed in the works one day rest for 6 days continuous work and pay wages at the same rate as for duty. In the event of default, Institute shall have the right to deduct the sum or sums not paid on account of wages for weekly holidays to any labours and pay the same to the persons entitled thereto from any money due to the contractor by Institute concerned.
- (v) The contractor shall comply with the provisions of the Payment of Wages Act, 1936, Minimum Wages Act, 1948, Employees Liability Act, 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Benefits Act, 1961, and the Contractor's Labour (Regulation and Abolition) Act 1970, or the modifications thereof or any other laws relating thereto and the rules made thereunder from time to time.
- (vi) The contractor shall indemnify and keep indemnified Institute against payments to be made under and for the observance of the laws aforesaid and the Contractor's Labour Regulations without prejudice to his right to claim indemnity from his sub-contractors.
- (vii) The laws aforesaid shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract.
- (viii) Whatever is the minimum wage for the time being, or if the wage payable is higher than such wage, such wage shall be paid by the contractor to the workmen directly without the intervention of Jamadar and that Jamadar shall not be entitled to deduct or recover any amount from the minimum wage payable to the workmen as and by way of commission or otherwise.
- (ix) The contractor shall ensure that no amount by way of commission or otherwise is deducted or recovered by the Jamadar from the wage of workmen.

#### **CLAUSE 19C**

In respect of all labour directly or indirectly employed in the work for the performance of the contractor's part of this contract, the contractor shall at his own expense arrange for the safety provisions as per Safety Code framed from time to time and shall at his own expense provide for all facilities in connection therewith. In case the contractor fails to make

arrangement and provide necessary facilities as aforesaid, he shall be liable to pay a penalty of Rs.200/- for each default and in addition, Institute shall be at liberty to make arrangement and provide facilities as aforesaid and recover the costs incurred in that behalf from the contractor.

#### **CLAUSE 19D**

The contractor shall submit by the 4th and 19th of every month, to Institute, a true statement showing in respect of the second half of the preceding month and the first half of the current month respectively:-

- (1) the number of labourers employed by him on the work,
- (2) their working hours,
- (3) the wages paid to them,
- (4) the accidents that occurred during the said fortnight showing the circumstances under which they happened and the extent of damage and injury caused by them, and
- (5) the number of female workers who have been allowed maternity benefit according to Clause 19F and the amount paid to them.

Failing which the contractor shall be liable to pay to Institute, a sum not exceeding Rs. 200/- for each default or materially incorrect statement. The decision of Institute shall be final in deducting from any bill due to the contractor, the amount levied as fine and be binding on the contractor.

#### **CLAUSE 19E**

In respect of all labour directly or indirectly employed in the works for the performance of the contractor's part of this contract, the contractor shall comply with or cause to be complied with all the rules framed by Institute from time to time for the protection of health and sanitary arrangements for workers employed by the Institute and its contractors.

#### **CLAUSE 19F**

Leave and pay during leave shall be regulated as follows:-

1. Leave :
  - (i) in the case of delivery - maternity leave not exceeding 8 weeks, 4 weeks up to and Including the day of delivery and 4 weeks following that day,
  - (ii) in the case of miscarriage - up to 3 weeks from the date of miscarriage.
2. Pay :
  - (i) in the case of delivery - leave pay during maternity leave will be at the rate of the women's average daily earnings, calculated on total wages earned on the days when full time work was done during a period of three months immediately preceding the date on which she gives notice that she expects to be confined or at the rate of Rupee one only a day whichever is greater.
  - (ii) in the case of miscarriage - leave pay at the rate of average daily earning calculated on the total wages earned on the days when full time work was done during a period of three months immediately preceding the date of such miscarriage.

3. Conditions for the grant of Maternity Leave:  
No maternity leave benefit shall be admissible to a woman unless she has been employed for a total period of not less than six months immediately preceding the date on which she proceeds on leave.
4. The contractor shall maintain a register of Maternity (Benefit) in the Prescribed Form as shown in Appendix -I and II, and the same shall be kept at the place of work.

#### CLAUSE 19G

In the event of the contractor(s) committing a default or breach of any of the provisions of the Contractor's Labour Regulations and Model Rules for the protection of health and sanitary arrangements for the workers as amended from time to time or furnishing any information or submitting or filing any statement under the provisions of the above Regulations and Rules which is materially incorrect, he/they shall, without prejudice to any other liability, pay to the Institute a sum not exceeding Rs.200/- for every default, breach or furnishing, making, submitting, filing such materially incorrect statements and in the event of the contractor(s) defaulting continuously in this respect, the penalty may be enhanced to Rs.200/- per day for each day of default subject to a maximum of 5 per cent of the estimated cost of the work put to tender. The decision of Institute shall be final and binding on the parties.

Should it appear to Institute that the contractor(s) is/are not properly observing and complying with the provisions of the Labour Regulations and Model Rules and the provisions of the Contract Labour (Regulation and Abolition) Act 1970, and the Contract Labour (R&A) Central Rules 1971, for the protection of health and sanitary arrangements for work-people employed by the contractor(s) (hereinafter referred as "the said Rules") Institute shall have power to give notice in writing to the contractor(s) requiring that the said Rules be complied with and the amenities prescribed therein be provided to the work- people within a reasonable time to be specified in the notice. If the contractor(s) shall fail within the period specified in the notice to comply with and/observe the said Rules and to provide the amenities to the work-people as aforesaid, Institute shall have the power to provide the amenities hereinbefore mentioned at the cost of the contractor(s). The contractor(s) shall erect, make and maintain at his/their own expense and to approved standards all necessary huts and sanitary arrangements required for his/their work- people on the site in connection with the execution of the works, and if the same shall not have been erected or constructed, according to approved standards, Institute shall have power to give notice in writing to the contractor(s) requiring that the said huts and sanitary arrangements be remodeled and/or reconstructed according to approved standards, and if the contractor(s) shall fail to remodel or reconstruct such huts and sanitary arrangements according to approved standards within the period specified in the notice,

Institute shall have the power to remodel or reconstruct such huts and sanitary arrangements according to approved standards at the cost of the contractor(s).

#### CLAUSE 19H

The contractor(s) shall at his/their own cost provide his/their labour with a sufficient number of huts (hereinafter referred to as the camp) of the following specifications on a suitable plot of land to be approved by Institute.

- (i)
  - (a) The minimum height of each hut at the eaves level shall be 2.10m (7 ft.) and the floor area to be provided will be at the rate of 2.7 sq. (30 sq.) for each member of the worker's family staying with the labourer.
  - (b) The contractor(s) shall in addition construct suitable cooking places having a minimum area of 1.80m x 1.50m (6' x 5') adjacent to the hut for each family.
  - (c) The contractor(s) shall also construct temporary latrines and urinals for the use of the labourers each on the scale of not less than four per each one hundred of the total strength, separate latrines and urinals being provided for women.
  - (d) The contractor(s) shall construct sufficient number of bathing and washing places, one unit for every 25 persons residing in the camp. These bathing and washing places shall be suitably screened.
  
- (ii)
  - (a) All the huts shall have walls of sun-dried or burnt-bricks laid in mud mortar or other suitable local materials as may be approved by Institute. In case of sun-dried bricks, the walls should be plastered with mud gobi on both sides. The floor may be kutcha but plastered with mud gobi and shall be at least 15 cm (6") above the surrounding ground. The roofs shall be laid with thatch or any other materials as may be approved by Institute and the contractor shall ensure that throughout the period of their occupation, the roofs remain water-tight.
  - (b) The contractor(s) shall provide each hut with proper ventilation.
  - (c) All doors, windows, and ventilators shall be provided with suitable leaves for security purposes.
  - (d) There shall be kept an open space of at least 7.2m (8 yards) between the rows of huts which may be reduced to 6m (20 ft.) according to the availability of site with the approval of Institute. Back to back construction will be allowed.
  
- (iii) **Water Supply** - The contractor(s) shall provide adequate supply of water for the use of labourers. The provisions shall not be less than two gallons of pure and wholesome water per head per day for drinking purposes and three gallons of clean water per head per day for bathing and washing purposes. Where piped water supply is available, supply shall be at stand posts and where the supply is from wells or river, tanks which may be of metal or masonry, shall be provided. The contractor(s) shall also at his/their own cost make arrangements for laying pipe lines for water supply to his/their labour camp from the existing mains wherever available, and shall pay all fees and charges therefore.

- (iv) The site selected for the camp shall be high ground, removed from jungle.
- (v) **Disposal of Excreta** - The contractor(s) shall make necessary arrangements for the disposal of excreta from the latrines by trenching or incineration which shall be according to the requirements laid down by the Local Health Authorities. If trenching or incineration is not allowed, the contractor(s) shall make arrangements for the removal of the excreta through the Municipal Committee/authority and inform it about the number of labourers employed so that arrangements may be made by such Committee/authority for the removal of the excreta. All charges on this account shall be borne by the contractor and paid direct by him to the Municipality/authority. The contractor shall provide one sweeper for every eight seats in case of dry system.
- (vi) **Drainage** - The contractor(s) shall provide efficient arrangements for draining away sullage water so as to keep the camp neat and tidy.
- (vii) The contractor(s) shall make necessary arrangements for keeping the camp area sufficiently lighted to avoid accidents to the workers.
- (viii) **Sanitation** - The contractor(s) shall make arrangements for conservancy and sanitation in the labour camps according to the rules of the Local Public Health and Medical Authorities.

#### **CLAUSE 19I**

Institute may require the contractor to dismiss or remove from the site of the work any person or persons in the contractors' employ upon the work who may be incompetent or misconduct himself and the contractor shall forthwith comply with such requirements. In respect of maintenance/repair or renovation works etc. where the labour have an easy access to the individual houses, the contractor shall issue identity cards to the labourers, whether temporary or permanent and he shall be responsible for any untoward action on the part of such labour.

#### **CLAUSE 19J**

It shall be the responsibility of the contractor to see that the building under construction is not occupied by anybody unauthorisedly during construction, and is handed over to Institute with vacant possession of complete building. If such building though completed is occupied illegally, then Institute shall have the option to refuse to accept the said building/buildings in that position. Any delay in acceptance on this account will be treated as the delay in completion and for such delay, a levy upto 5% of tendered value of work may be imposed by the Accepting Authority whose decision shall be final both with regard to the justification and quantum and be binding on the contractor.

However, the Accepting Authority, through a notice, may require the contractor to remove the illegal occupation any time on or before construction and delivery.

#### **CLAUSE 19K**

##### **Employment of skilled / semi-skilled workers**

The contractor shall, at all stages of work, deploy skilled/semi skilled tradesmen who are qualified and possess certificate in particular trade from Industrial Training Institute/National Institute of construction Management and Research (NICMAR)/ National Academy of Construction, CIDC or any similar reputed and recognized Institute managed/ certified by State/Central Government. The number of such qualified tradesmen shall not be less than 20% of total skilled/semi skilled workers required in each trade at any stage of work. The contractor shall submit number of man days required in respect of each trade, its scheduling and the list of qualified tradesmen along with requisite certificate from recognized Institute to Institute for approval. Notwithstanding such approval, if the tradesmen are found to have inadequate skill to execute the work of respective trade, the contractor shall substitute such tradesmen within two days of written notice from Institute. Failure on the part of contractor to obtain approval of Institute or failure to deploy qualified tradesmen will attract a compensation to be paid by contractor at the rate of Rs. 100 per such tradesman per day. Decision of Institute as to whether particular tradesman possesses requisite skill and amount of compensation in case of default shall be final and binding.

#### **CLAUSE 19L**

The ESI and EFP contributions on the part of employer in respect of this contract shall be paid by the contractor. These contributions on the part of the employer shall be paid by the contractor on actual basis.

#### **CLAUSE 20**

##### **Minimum Wages Act to be Complied with**

The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act, 1970, amended from time to time and rules framed thereunder and other labour laws affecting contract labour that may be brought into force from time to time.

#### **CLAUSE 21**

##### **Work not to be sublet. Action in case of insolvency**

The contract shall not be assigned or sublet without the written approval of the Institute And if the contractor shall assign or sublet his contract, or attempt to do so, or become insolvent or commence any insolvency proceedings or make any composition with his creditors or attempt to do so, or if any bribe, gratuity, gift, loan, perquisite, reward or advantage pecuniary or otherwise, shall either directly or indirectly, be given, promised or offered by the

contractor, or any of his servants or agent to any public officer or person in the employ of Institute in any way relating to his office or employment, or if any such officer or person shall become in any way directly or indirectly interested in the contract, Institute shall have power to adopt the course specified in Clause 3 hereof in the interest of Institute and in the event of such course being adopted, the consequences specified in the said Clause 3 shall ensue.

#### **CLAUSE 22**

All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the use of Institute without reference to the actual loss or damage sustained and whether or not any damage shall have been sustained.

#### **CLAUSE 23**

##### **Changes in firm's Constitution to be intimated**

Where the contractor is a partnership firm, the previous approval in writing of Institute shall be obtained before any change is made in the constitution of the firm. Where the contractor is an individual or a Hindu Undivided Family business concern, such approval as aforesaid shall likewise be obtained before the contractor enters into any partnership agreement where under the partnership firm would have the right to carry out the works hereby undertaken by the contractor. If previous approval as aforesaid is not obtained, the contract shall be deemed to have been assigned in contravention of Clause 21 hereof and the same action may be taken, and the same consequences shall ensue as provided in the said Clause 21.

#### **CLAUSE 24**

All works to be executed under the contract shall be executed under the direction and subject to the approval in all respects of Institute who shall be entitled to direct at what point or points and in what manner they are to be commenced, and from time to time carried on.

#### **CLAUSE 25**

##### **Settlement of Disputes & Arbitration**

Except where otherwise provided in the contract, all questions and disputes relating to the meaning of the specifications, design, drawings and instructions here-in before mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works or the execution or failure to execute the same whether arising during the progress of the work or after the cancellation, termination, completion or abandonment thereof shall be dealt with as mentioned hereinafter:

- (i) If the contractor considers any work demanded of him to be outside the requirements of the contract, or disputes any drawings, record or decision given in writing by Institute on any matter in connection with or arising out of the contract or carrying out of the work, to be unacceptable, he shall promptly within 15 days request the Director, Institute in writing for written instruction or decision. Thereupon, the Director shall give

his written instructions or decision within a period of one month from the receipt of the contractor's letter.

If the Director fails to give his instructions or decision in writing within the aforesaid period or if the contractor is dissatisfied with the instructions or decision of the Director, the contractor may within 30 days from the receipt of the Director's decision, appeal before the Dispute Redressal Committee (DRC) along with a list of disputes with amounts claimed in respect of each such dispute and giving reference to the rejection of his disputes by the Director. The Dispute Redressal Committee (DRC) shall give his decision within a period of 90 days from the receipt of Contractor's appeal. The constitution of Dispute Redressal Committee (DRC) shall be as indicated in Schedule 'F'. If the Dispute Redressal Committee (DRC) fails to give his decision within the aforesaid period or any party is dissatisfied with the decision of Dispute Redressal Committee (DRC), then either party may within a period of 30 days from the receipt of the decision of Dispute Redressal Committee (DRC), give notice to the Director for appointment of arbitrator on prescribed proforma as per Appendix XV, failing which, the said decision shall be final binding and conclusive and not referable to adjudication by the arbitrator.

- (ii) Except where the decision has become final, binding and conclusive in terms of Sub Para (i) above, disputes or difference shall be referred for adjudication through arbitration by a sole arbitrator appointed by the Director, Institute. If the arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever, another sole arbitrator shall be appointed in the manner aforesaid. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.

It is a term of this contract that the party invoking arbitration shall give a list of disputes with amounts claimed in respect of each such dispute along with the notice for appointment of arbitrator and giving reference to the rejection by the Director of the appeal.

It is also a term of this contract that no person, other than a person appointed by Director of the Institute, as aforesaid, should act as arbitrator and if for any reason that is not possible, the matter shall not be referred to arbitration at all.

It is also a term of this contract that if the contractor does not make any demand for appointment of arbitrator in respect of any claims in writing as aforesaid within 120 days of receiving the intimation from Institute that the final bill is ready for payment, the claim of the contractor shall be deemed to have been waived and absolutely barred and the Institute shall be discharged and released of all liabilities under the contract in respect of these claims.

The arbitration shall be conducted in accordance with the provisions of the Arbitration

and Conciliation Act, 1996 (Act 26 of 1996) or any statutory modifications or re-enactment thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceeding under this clause.

It is also a term of this contract that the arbitrator shall adjudicate on only such disputes as are referred to him by the appointing authority and give separate award against each dispute and claim referred to him and in all cases the arbitrator shall give reasons for the award.

It is also a term of the contract that if any fees are payable to the arbitrator, these shall be paid equally by both the parties. It is also a term of the contract that the arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties calling them to submit their statement of claims and counter statement of claims. The venue of the arbitration shall be such place as may be fixed by the arbitrator in his sole discretion. The fees, if any, of the arbitrator shall, if required to be paid before the award is made and published, be paid half and half by each of the parties. The cost of the reference and of the award (Including the fees, if any, of the arbitrator) shall be in the discretion of the arbitrator who may direct to any by whom and in what manner, such costs or any part thereof shall be paid and fix or settle the amount of costs to be so paid.

#### **CLAUSE 26**

##### **Contractor to Indemnify Institute against Patent Rights**

The contractor shall fully indemnify and keep indemnified Institute against any action, claim or proceeding relating to infringement or use of any patent or design or any alleged patent or design rights and shall pay any royalties which may be payable in respect of any article or part thereof included in the contract. In the event of any claims made under or action brought against Institute in respect of any such matters as aforesaid, the contractor shall be immediately notified thereof and the contractor shall be at liberty, at his own expense, to settle any dispute or to conduct any litigation that may arise therefrom, provided that the contractor shall not be liable to indemnify the Institute if the infringement of the patent or design or any alleged patent or design right is the direct result of an order passed by Institute in this behalf.

#### **CLAUSE 27**

##### **Lumpsum Provisions in Tender**

When the estimate on which a tender is made includes lump sum in respect of parts of the work, the contractor shall be entitled to payment in respect of the items of work involved or the part of the work in question at the same rates as are payable under this contract for such items, or if the part of the work in question is not, in the opinion of Institute payable of

measurement, Institute may at his discretion pay the lump-sum amount entered in the estimate, and the certificate in writing of Institute shall be final and conclusive against the contractor with regard to any sum or sums payable to him under the provisions of the clause.

#### **CLAUSE 28**

##### **Action where no Specifications are specified**

In the case of any class of work for which there is no such specifications as referred to in Clause 11, such work shall be carried out in accordance with the Bureau of Indian Standards Specifications. In case there are no such specifications in Bureau of Indian Standards, the work shall be carried out as per manufacturers' specifications, if not available then as per District Specifications. In case there are no such specifications as required above, the work shall be carried out in all respects in accordance with the instructions and requirements of Institute.

#### **CLAUSE 29**

##### **Withholding and lien in respect of sum due from contractor**

(i) Whenever any claim or claims for payment of a sum of money arises out of or under the contract or against the contractor, Institute shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in part from the security, if any deposited by the contractor and for the purpose aforesaid, Institute shall be entitled to withhold the security deposit, if any, furnished as the case may be and also have a lien over the same pending finalisation or adjudication of any such claim. In the event of the security being insufficient to cover the claimed amount or amounts or if no security has been taken from the contractor, Institute shall be entitled to withhold and have a lien to retain to the extent of such claimed amount or amounts referred to above, from any sum or sums found payable or which may at any time thereafter become payable to the contractor under the same contract or any other contract with Institute of the Institute or any contracting person through Institute pending finalization of adjudication of any such claim.

It is an agreed term of the contract that the sum of money or moneys so withheld or retained under the lien referred to above by Institute or Institute will be kept withheld or retained as such by Institute till the claim arising out of or under the contract is determined by the arbitrator (if the contract is governed by the arbitration clause) or by the competent court, as the case may be and that the contractor will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention under the lien referred to above and duly notified as such to the contractor. For the purpose of this clause, where the contractor is a partnership firm or a limited company, Institute shall be entitled to withhold and also have a lien to retain towards such claimed amount or amounts in whole or in part from any sum found payable to any partner/limited company as the case may be, whether in his individual capacity or otherwise.

(ii) Institute shall have the right to cause an audit and technical examination of the works and the final bills of the contractor Including all supporting vouchers, abstract, etc., to be made after payment of the final bill and if as a result of such audit and technical examination any sum is found to have been overpaid in respect of any work done by the contractor under the contract or any work claimed to have been done by him under the contract and found not to have been executed, the contractor shall be liable to refund the amount of over-payment and it shall be lawful for Institute to recover the same from him in the manner prescribed in sub-clause (i) of this clause or in any other manner legally permissible; and if it is found that the contractor was paid less than what was due to him under the contract in respect of any work executed by him under it, the amount of such under payment shall be duly paid by Institute to the contractor, without any interest thereon whatsoever.

Provided that the Institute shall not be entitled to recover any sum overpaid, nor the contractor shall be entitled to payment of any sum paid short where such payment has been agreed upon between the Institute on the one hand and the contractor on the other under any term of the contract permitting payment for work after assessment by the Institute.

#### **CLAUSE 29 A**

##### **Lien in respect of claims in other Contracts**

Any sum of money due and payable to the contractor (Including the security deposit returnable to him) under the contract may be withheld or retained by way of lien by Institute or any other contracting person or persons through Institute against any claim of Institute or such other person or persons in respect of payment of a sum of money arising out of or under any other contract made by the contractor with Institute or with such other person or persons.

It is an agreed term of the contract that the sum of money so withheld or retained under this clause by Institute will be kept withheld or retained as such by Institute or till his claim arising out of the same contract or any other contract is either mutually settled or determined by the arbitration clause or by the competent court, as the case may be and that the contractor shall have no claim for interest or damages whatsoever on this account or on any other ground in respect of any sum of money withheld or retained under this clause and duly notified as such to the contractor.

#### **CLAUSE 30**

##### **Employment of Coal Mining or controlled area labour not permissible**

The contractor shall not employ coal mining or controlled area labour falling under any category whatsoever on or in connection with the work or recruit labour from area within a radius of 32 km (20 miles) of the controlled area. Subject as above the contractor shall employ imported labour only i.e., deposit imported labour or labour imported by contractors from area, from which import is permitted.

Where ceiling price for imported labour has been fixed by State or Regional Labour Committees not more than that ceiling price shall be paid to the labour by the contractor. The contractor shall immediately remove any labourer who may be pointed out by the Institute as being a coal mining or controlled area labourer. Failure to do so shall render the contractor liable to pay to Government a sum calculated at the rate of Rs.10/- per day per labourer. The certificate of the Institute about the number of coal mining or controlled area labourer and the number of days for which they worked shall be final and binding upon all parties to this contract.

It is declared and agreed between the parties that the aforesaid stipulation in this clause is one in which the public are interested within the meaning of the exception in Section 74 of Indian Contract Act, 1872.

Explanation:- Controlled Area means the following areas:

Districts of Dhanbad, Hazaribagh, Jamtara - a Sub-Division under Santhal Pargana Commissionery, Districts of Bankuara, Birbhum, Burdwan, District of Bilaspur.

Any other area which may be declared a Controlled Area by or with the approval of the Central Government.

### **CLAUSE 31**

#### **Unfiltered water supply**

The contractor(s) shall make his/their own arrangements for water required for the work and nothing extra will be paid for the same. This will be subject to the following conditions.

- (i) That the water used by the contractor(s) shall be fit for construction purposes to the satisfaction of Institute.
- (ii) Institute shall make alternative arrangements for supply of water at the risk and cost of contractor(s) if the arrangements made by the contractor(s) for procurement of water are in the opinion of Institute, unsatisfactory.
- (iii) The Contractor shall permit all Sub-Contractors to use his water storage and distribution facilities for their respective Work. Any additional or special arrangements needed by Sub-Contractors shall be made by them at their own cost.
- (iv) Upon completion of the Works, the Contractor shall remove temporary storage tanks, piping network built or installed on the site so as to restore the site back to its original condition.
- (v) Insufficiency or non-availability of water shall not be cited by the Contractor as an excuse for delays, or deficiencies in the Work or a reason for claiming extra payments.
- (vi) The Contractor shall, in all eventualities incorporate in his costing for making arrangements with necessary approval from relevant authority if any for the water requirements to be used for construction at his own cost at the time of tendering.

**CLAUSE 31A****Departmental water supply if available**

Water if available may be supplied to the contractor by the Institute subject to the following conditions:-

- (i) The water charges @ 1 % shall be recovered on gross amount of the work done.
- (ii) The contractor(s) shall make his/their own arrangement of water connection and laying of pipelines from existing main of source of supply.

The Institute do not guarantee to maintain uninterrupted supply of water and it will be incumbent on the contractor(s) to make alternative arrangements for water at his/their own cost in the event of any temporary break down in the Institute water main so that the progress of his/their work is not held up for want of water. No claim of damage or refund of water charges will be entertained on account of such break down.

**CLAUSE 32****Alternate water arrangements**

- (i) Where there is no piped water supply arrangement and the water is taken by the contractor from the wells or hand pump constructed by the Institute, no charge shall be recovered from the contractor on that account. The contractor shall, however, draw water at such hours of the day that it does not interfere with the normal use for which the hand pumps and wells are intended. He will also be responsible for all damage and abnormal repairs arising out of his use, the cost of which shall be recoverable from him. Institute shall be the final authority to determine the cost recoverable from the contractor on this account and his decision shall be binding on the contractor.
- (ii) The contractor shall be allowed to construct temporary wells in Institute land for taking water for construction purposes only after he has got permission of Institute in writing. No charges shall be recovered from the contractor on this account, but the contractor shall be required to provide necessary safety arrangements to avoid any accidents or damage to adjacent buildings, roads and service lines and shall be required to maintain the facility at his cost. He shall be responsible for any accidents or damage caused due to construction and subsequent maintenance of the wells and shall restore the ground to its original condition after the wells are dismantled on completion of the work.

**CLAUSE 33****Return of Surplus materials**

Notwithstanding anything contained to the contrary in this contract, where any materials for the execution of the contract are procured with the assistance of Institute either by issue from Institute's stocks or purchase made under orders or permits or licences issued by Institute, the contractor shall hold the said materials economically and solely for the purpose of the contract and not dispose of them without the written permission of the Institute and return, if required by Institute, all surplus or unserviceable materials that may be left with him after the completion of the contract or at its termination for any

reason whatsoever on being paid or credited such price as Institute shall determine having due regard to the condition of the materials. The price allowed to the contractor however shall not exceed the amount charged to him including the element of storage charges. The decision of Institute shall be final and conclusive. In the event of breach of the aforesaid condition, the contractor shall in addition to throwing himself open to action for contravention of the terms of the licence or permit and/or for criminal breach of trust, be liable to Institute for all moneys, advantages or profits resulting or which in the usual course would have resulted to him by reason of such breach.

#### **CLAUSE 34**

##### **Hire of Tools & Machinery**

The contractor shall arrange at his own expense all tools, machinery and equipment (hereinafter referred to as T&P) required for execution of the work.

#### **CLAUSE 35**

##### **Condition relating to use of asphaltic materials**

- (i) The contractor undertakes to make arrangement for the supervision of the work by the firm supplying the tar or bitumen used.
- (ii) The contractor shall collect the total quantity of tar or bitumen required for the work as per standard formula, before the process of painting is started and shall hypothecate it to Institute. If any bitumen or tar remains unused on completion of the work on account of lesser use of materials in actual execution for reasons other than authorized changes of specifications and abandonment of portion of work, a corresponding deduction equivalent to the cost of unused materials as determined by Institute shall be made and the material returned to the contractors. Although the materials are hypothecated to Institute, the contractor undertakes the responsibility for their proper watch, safe custody and protection against all risks. The materials shall not be removed from site of work without the consent of Institute in writing.
- (iii) The contractor shall be responsible for rectifying defects noticed within a year from the date of completion of the work and the portion of the security deposit relating to asphaltic work shall be refunded after the expiry of this period.

#### **CLAUSE 36**

##### **Employment of Technical staff and employees**

Contractors Superintendence, Supervision, Technical Staff & Employees

- (i) The contractor shall provide all necessary superintendence during execution of the work and all along thereafter as may be necessary for proper fulfilling of the obligations under the contract.

The contractor shall immediately after receiving letter of acceptance of the tender and before commencement of the work, intimate in writing to Institute, the name(s), qualifications, experience, age, address(s) and other particulars along with

certificates, of the principal technical representative to be in charge of the work and other technical representative(s) who will be supervising the work. Minimum requirement of such technical representative(s) and their qualifications and experience shall not be lower than specified in Schedule 'F'. Institute shall within 3 days of receipt of such communication intimate in writing his approval or otherwise of such a representative(s) to the contractor. Any such approval may at any time be withdrawn and in case of such withdrawal, the contractor shall appoint another such representative(s) according to the provisions of this clause. Decision of the tender accepting authority shall be final and binding on the contractor in this respect. Such a principal technical representative and other technical representative(s) shall be appointed by the contractor soon after receipt of the approval from Institute and shall be available at site before start of work.

All the provisions applicable to the principal technical representative under the Clause will also be applicable to other technical representative(s). The principal technical representative and other technical representative(s) shall be present at the site of work for supervision at all times when any construction activity is in progress and also present himself/themselves, as required, to Institute and/or his designated representative to take instructions. Instructions given to the principal technical representative or other technical representative(s) shall be deemed to have the same force as if these have been given to the contractor. The principal technical representative and other technical representative(s) shall be actually available the decision of Institute as recorded in the site order book and measurement recorded checked/test checked in Measurement Books shall be final and binding on the contractor. Further if the contractor fails to appoint suitable technical Principal technical representative and/or other technical representative(s) and if such appointed persons are not effectively present or are absent by more than two days without duly approved substitute or do not discharge their responsibilities satisfactorily, Institute shall have full powers to suspend the execution of the work until such date as suitable other technical representative(s) is/are appointed and the contractor shall be held responsible for the delay so caused to the work. The contractor shall submit a certificate of employment of the technical representative(s) alongwith every on-account bill/ final bill and shall produce evidence if at any time so required by Institute at site fully during all stages of execution of work, during recording/checking/test checking of measurements of works and whenever so required by Institute and shall also note down instructions conveyed by the Institute or his designated representative(s) in the site order book and shall affix his/their signature in token of noting down the instructions and in token of acceptance of measurements/checked measurements/test checked measurements. The representative(s) shall not look after any other work. Substitutes, duly approved by Institute of the work in similar manner as aforesaid shall be provided in event of absence of any of the representative(s) by more than two days.

If Institute, whose decision in this respect is final and binding on the contractor, is convinced that no such technical representative(s) is/are effectively appointed or is/are effectively attending or fulfilling the provision of this clause, a recovery (non-refundable) shall be effected from the contractor as specified in Schedule 'F' and the contractor shall be held responsible for the delay so caused to the work. The contractor shall submit a certificate of employment of the technical representative(s) (in the form of copy of Form-16 or CPF deduction issued to the Engineers employed by him) along with every account bill/final bill and shall produce evidence if at any times so required by the Institute.

- (ii) The contractor shall provide and employ on the site only such technical assistants as are skilled and experienced in their respective fields and such foremen and supervisory staff as are competent to give proper supervision to the work.

The contractor shall provide and employ skilled, semiskilled and unskilled labour as is necessary for proper and timely execution of the work.

Institute shall be at liberty to object to and require the contractor to remove from the works any person who in his opinion misconducts himself, or is incompetent or negligent in the performance of his duties or whose employment is otherwise considered by Institute to be undesirable. Such person shall not be employed again at works site without the written permission of Institute and the persons so removed shall be replaced as soon as possible by the competent substitute.

#### **CLAUSE 37**

##### **Levy/Taxes payable by Contractor**

- (i) GST, Building and other Construction Workers Welfare Cess or any other tax, levy or Cess in respect of input for or output by this contract shall be payable by the contractor and Institute shall not entertain any claim whatsoever in this respect except as provided under Clause 38. The contractor shall deposit royalty and obtain necessary permit for supply of the red bajri, stone, kankar, etc. from local authorities.
- (ii) If pursuant to or under any law, notification or order any royalty, cess or the like becomes payable by the Government of India and does not any time become payable by the contractor to the State Government, Local authorities in respect of any material used by the contractor in the works, then in such a case, it shall be lawful to the Government of India and it will have the right and be entitled to recover the amount paid in the circumstances as aforesaid from dues of the contractor.

#### **CLAUSE 38**

##### **Conditions for reimbursement of levy/taxes if levied after receipt of tenders**

- (i) All tendered rates shall be inclusive any tax, levy or cess applicable on last stipulated date of receipt of tender including extension if any excluding GST. No adjustment i.e. increase or decrease shall be made for any variation in the rate, Building and Other Construction Workers Welfare Cess or any tax, levy or cess applicable on inputs. However, effect of variation in rates of GST or Building and Other Construction Workers Welfare Cess or imposition or repeal of any other tax, levy or cess applicable on output of the works contract shall be adjusted on either side, increase or decrease. Provided further that for Building and Other Construction Workers Welfare Cess or any tax (other than GST), levy or cess varied or imposed after the last date of receipt of tender Including extension if any, any increase shall be reimbursed to the contractor only if the contractor necessarily and properly pays such increased amount of taxes/levies/ cess. Provided further that such increase including GST shall not be made in the extended period of contract for which the contractor alone is responsible for delay as determined by authority for extension of time under Clause 5 in Schedule F.
- (ii) The contractor shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorized representative of the Institute and shall also furnish such other information/document as Institute may require from time to time.
- (iii) The contractor shall, within a period of 30 days of the imposition of any such further tax or levy or cess, give a written notice thereof to Institute that the same is given pursuant to this condition, together with all necessary information relating thereto.

**CLAUSE 39****Termination of Contract on death of contractor**

Without prejudice to any of the rights or remedies under this contract, if the contractor dies, the Director of Institute on behalf of Institute shall have the option of terminating the contract without compensation to the contractor. However, if the contractor is succeeded by his legal heir or legally assigned successors who are willing to continue the work under the same terms and conditions as in the original contract, Institute shall have the option to continue the work with such heirs or successors with the same obligations to the heirs or successors as with the original contractor. The decision of Institute in this regard shall be final and binding.

**CLAUSE 40****If relative working in Institute then the contractor not allowed to tender**

The contractor shall not be permitted to tender for works, if any of his near relative(s) is in the employment of the Institute or its agent/representative. He shall also intimate the names of persons who are working with him or are subsequently employed by him and who are near relatives to any of the employee of Institute. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Institute. If however the contractor is registered in any other department, he shall be debarred from tendering in the Institute for any breach of this condition.

NOTE: By the term "near relatives" is meant wife, husband, parents and grand parents,

children and grandchildren, brothers and sisters, uncles, aunts and cousins and their corresponding in-laws.

#### **CLAUSE 41**

##### **No Gazetted Engineer to work as contractor within one year of retirement**

No engineer of gazetted rank or other gazetted officer employed in engineering or administrative duties in an engineering department of the Government of India or Govt of Haryana shall work as a contractor or employee of a contractor for a period of one year after his retirement from government service without the previous permission of respective Government in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of Government as aforesaid, before submission of the tender or engagement in the contractor's service, as the case may be.

#### **CLAUSE 42**

##### **Return of material & recovery for excess material used**

- (i) After completion of the work and also at any intermediate stage in the event of non-reconciliation of materials issued, consumed and in balance - (see Clause 10), theoretical quantity of materials issued by the Institute for use in the work shall be calculated on the basis and method given hereunder:-
  - (a) Quantity of cement & bitumen shall be calculated on the basis of quantity of cement & bitumen required for different items of work as shown in the Schedule of Rates mentioned in Schedule 'F'. In case any item is executed for which standard constants for the consumption of cement or bitumen are not available in the above mentioned schedule/statement or cannot be derived from the same shall be calculated on the basis of standard formula to be laid down by Institute.
  - (b) Theoretical quantity of steel reinforcement or structural steel sections shall be taken as the quantity required as per design or as authorized by Institute, including authorized lappages, chairs etc. plus 3% wastage due to cutting into pieces, such theoretical quantity being determined and compared with the actual issues each diameter wise, section wise and category wise separately.
  - (c) Theoretical quantity of G.I. & C.I. or other pipes, conduits, wires and cables, pig lead and G.I./M.S. sheets shall be taken as quantity actually required and measured plus 5% for wastage due to cutting into pieces (except in the case of G.I./M.S. sheets it shall be 10%), such determination & comparison being made diameter wise & category wise.
  - (d) For any other material as per actual requirements.
- (ii) Over the theoretical quantities of materials so computed a variation shall be allowed as specified in Schedule 'F'. The difference in the net quantities of material actually issued to the contractor and the theoretical quantities including such authorized variation, if not returned by the contractor or if not fully reconciled to the satisfaction of Institute

within fifteen days of the issue of written notice by Institute to this effect shall be recovered at the rates specified in Schedule 'F', without prejudice to the provision of the relevant conditions regarding return of materials governing the contract. Decision of Institute in regard to theoretical quantities of materials, which should have been actually used as per the Annexure of the standard schedule of rates and recovery at rates specified in Schedule 'F', shall be final & binding on the contractor. For non- scheduled items, the decision of Institute regarding theoretical quantities of materials which should have been actually used, shall be final and binding on the contractor.

- (iii) The said action under this clause is without prejudice to the right of the Institute to take action against the contractor under any other conditions of contract for not doing the work according to the prescribed specifications.

### **CLAUSE 43**

#### **Compensation during warlike situations**

The work (whether fully constructed or not) and all materials, machines, tools and plants, scaffolding, temporary buildings and other things connected therewith shall be at the risk of the contractor until the work has been delivered to Institute and a certificate from him to that effect obtained. In the event of the work or any materials properly brought to the site for incorporation in the work being damaged or destroyed in consequence of hostilities or warlike operation, the contractor shall when ordered (in writing) by Institute to remove any debris from the site, collect and properly stack or remove in store all serviceable materials salvaged from the damaged work and shall be paid at the contract rates in accordance with the provision of this agreement for the work of clearing the site of debris, stacking or removal of serviceable material and for reconstruction of all works ordered by Institute, such payments being in addition to compensation upto the value of the work originally executed before being damaged or destroyed and not paid for. In case of works damaged or destroyed but not already measured and paid for, the compensation shall be assessed by the Director, Institute. The contractor shall be paid for the damages/destruction suffered and for restoring the material at the rate based on analysis of rates tendered for in accordance with the provision of the contract. The certificate of Institute regarding the quality and quantity of materials and the purpose for which they were collected shall be final and binding on all parties to this contract.

Provided always that no compensation shall be payable for any loss in consequence of hostilities or warlike operations (a) unless the contractor had taken all such precautions against air raid as are deemed necessary by the A.R.P. Officers or Institute (b) for any material etc. not on the site of the work or for any tools, plant, machinery, scaffolding, temporary building and other things not intended for the work.

In the event of the contractor having to carry out reconstruction as aforesaid, he shall be allowed such extension of time for its completion as is considered reasonable by the Director.

**CLAUSE 44****Apprentices Act provisions to be complied with**

The contractor shall comply with the provisions of the Apprentices Act, 1961 and the rules and orders issued thereunder from time to time. If he fails to do so, his failure will be a breach of the contract and the Director, Institute may, in his discretion, cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

**CLAUSE 45**

Release of Security Deposit of the work shall not be refunded till the contractor produces a clearance certificate from the Labour Officer. As soon as the work is virtually complete the contractor shall apply for the clearance certificate to the Labour Officer under intimation to Institute. Institute, on receipt of the said communication, shall write to the Labour Officer to intimate if any complaint is pending against the contractor in respect of the work. If no complaint is pending, on record till after 3 months after completion of the work and/or no communication is received from the Labour Officer to this effect till six months after the date of completion, it will be deemed to have received the clearance certificate and the Security Deposit will be released if otherwise due.

## SAFETY CODES

1. Suitable scaffolds should be provided for workmen for all works that cannot safely be done from the ground, or from solid construction except such short period work as can be done safely from ladders. When a ladder is used, an extra mazdoor shall be engaged for holding the ladder and if the ladder is used for carrying materials as well suitable footholds and hand-hold shall be provided on the ladder and the ladder shall be given an inclination not steeper than  $\frac{1}{4}$  to  $1\frac{1}{4}$  horizontal and 1 vertical.)
2. Scaffolding of staging more than 3.6 m (12ft.) above the ground or floor, swung or suspended from an overhead support or erected with stationary support shall have a guard rail properly attached or bolted, braced and otherwise secured at least 90 cm. (3ft.) high above the floor or platform of such scaffolding or staging and extending along the entire length of the outside and ends there of with only such opening as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.
3. Working platforms, gangways and stairways should be so constructed that they should not sag unduly or unequally, and if the height of the platform or the gangway or the stairway is more than 3.6 m (12ft.) above ground level or floor level, they should be closely boarded, should have adequate width and should be suitably fastened as described in (2) above.
4. Every opening in the floor of a building or in a working platform shall be provided with suitable means to prevent the fall of person or materials by providing suitable fencing or railing whose minimum height shall be 90 cm. (3ft.)
5. Safe means of access shall be provided to all working platforms and other working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9m. (30ft.) in length while the width between side rails in rung ladder shall in no case be less than 29 cm. (11½") for ladder upto and including 3 m. (10 ft.) in length. For longer ladders, this width should be increased at least  $\frac{1}{4}$ " for each additional 30 cm. (1 foot) of length. Uniform step spacing of not more than 30 cm shall be kept. Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites or work shall be so stacked or placed as to cause danger or inconvenience to any person or the public. The contractor shall provide all necessary fencing and lights to protect the public from accident and shall be bound to bear the expenses of defence of every suit, action or other proceedings at law that may be brought by any person for injury sustained owing to neglect of the above precautions and to pay any damages and cost which may be awarded in any such suit; action or proceedings to any such person or which may, with the consent of the contractor, be paid to compensate any claim by any such person.

6. a. Excavation and Trenching - All trenches 1.2 m. (4ft.) or more in depth, shall at all times be supplied with at least one ladder for each 30 m. (100 ft.) in length or fraction thereof, Ladder shall extend from bottom of the trench to at least 90 cm. (3ft.) above the surface of the ground. The side of the trenches which are 1.5 m. (5ft.) or more in depth shall be stepped back to give suitable slope or securely held by timber bracing, so as to avoid the danger of sides collapsing. The excavated materials shall not be placed within 1.5 m. (5ft.) of the edges of the trench or half of the depth of the trench whichever is more. Cutting shall be done from top to bottom. Under no circumstances, undermining or undercutting shall be done.
- b. Safety Measures for digging bore holes:
  - (i) If the bore well is successful, it should be safely capped to avoid caving and collapse of the bore well. The failed and the abandoned ones should be completely refilled to avoid caving and collapse;
  - (ii) During drilling, sign boards should be erected near the site with the address of the drilling contractor and the Institute of the work;
  - (iii) Suitable fencing should be erected around the well during the drilling and after the installation of the rig on the point of drilling, flags shall be put 50 m around the point of drilling to avoid entry of people;
  - (iv) After drilling the borewell, a cement platform (0.50 m x 0.50 m x 1.20 m) 0.60 m above ground level and 0.60 m below ground level should be constructed around the well casing;
  - (v) After the completion of the borewell, the contractor should cap the bore well properly by welding steel plate, cover the bore well with the drilled wet soil and fix thorny shrubs over the soil. This should be done even while repairing the pump;
  - (vi) After the borewell is drilled the entire site should be brought to the ground level.
7. Demolition - Before any demolition work is commenced and also during the progress of the work,
  - (i) All roads and open areas adjacent to the work site shall either be closed or suitably protected.
  - (ii) No electric cable or apparatus which is liable to be a source of danger or a cable or apparatus used by the operator shall remain electrically charged.
  - (iii) All practical steps shall be taken to prevent danger to persons employed from risk of fire or explosion or flooding. No floor, roof or other part of the building shall be so overloaded with debris or materials as to render it unsafe.
8. All necessary personal safety equipment as considered adequate by Institute should be kept available for the use of the person employed on the site and maintained in a

condition suitable for immediate use, and the contractor should take adequate steps to ensure proper use of equipment by those concerned:- The following safety equipment shall invariably be provided.

- i) Workers employed on mixing asphaltic materials, cement and lime mortars shall be provided with protective footwear and protective goggles.
- ii) Those engaged in white washing and mixing or stacking of cement bags or any material which is injurious to the eyes, shall be provided with protective goggles.
- iii) Those engaged in welding works shall be provided with welder's protective eye-shields.
- iv) Stone breaker shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.
- v) When workers are employed in sewers and manholes, which are in active use, the contractors shall ensure that the manhole covers are opened and ventilated atleast for an hour before the workers are allowed to get into the manholes, and the manholes so opened shall be cordoned off with suitable railing and provided with warning signals or boards to prevent accident to the public. In addition, the contractor shall ensure that the following safety measure are adhered to :-
  - a) Entry for workers into the line shall not be allowed except under supervision of the JE or any other higher officer.
  - b) At least 5 to 6 manholes upstream and downstream should be kept open for at least 2 to 3 hours before any man is allowed to enter into the manhole for working inside.
  - c) Before entry, presence of Toxic gases should be tested by inserting wet lead acetate paper which changes colour in the presence of such gases and gives indication of their presence.
  - d) Presence of Oxygen should be verified by lowering a detector lamp into the manhole. In case, no Oxygen is found inside the sewer line, workers should be sent only with Oxygen kit.
  - e) Safety belt with rope should be provided to the workers. While working inside the manholes, such rope should be handled by two men standing outside to enable him to be pulled out during emergency.
  - f) The area should be barricaded or cordoned off by suitable means to avoid mishaps of any kind. Proper warning signs should be displayed for the safety of the public whenever cleaning works are undertaken during night or day.
  - g) No smoking or open flames shall be allowed near the blocked manhole being cleaned.
  - h) The malba obtained on account of cleaning of blocked manholes and sewer lines should be immediately removed to avoid accidents on account of slippery nature of the malba.
  - i) Workers should not be allowed to work inside the manhole continuously. He should be given rest intermittently. Institute may decide the time up to which a worker may be allowed to work continuously inside the manhole.

- j) Gas masks with Oxygen Cylinder should be kept at site for use in emergency.
  - k) Air-blowers should be used for flow of fresh air through the manholes. Whenever called for, portable air blowers are recommended for ventilating the manholes. The Motors for these shall be vapour proof and of totally enclosed type. Non sparking gas engines also could be used but they should be placed at least 2 metres away from the opening and on the leeward side protected from wind so that they will not be a source of friction on any inflammable gas that might be present.
  - l) The workers engaged for cleaning the manholes/sewers should be properly trained before allowing to work in the manhole.
  - m) The workers shall be provided with Gumboots or non sparking shoes bump helmets and gloves non sparking tools safety lights and gas masks and portable air blowers (when necessary). They must be supplied with barrier cream for anointing the limbs before working inside the sewer lines.
  - n) Workmen descending a manhole shall try each ladder stop or rung carefully before putting his full weight on it to guard against insecure fastening due to corrosion of the rung fixed to manhole well.
  - o) If a man has received a physical injury, he should be brought out of the sewer immediately and adequate medical aid should be provided to him.
  - p) The extent to which these precautions are to be taken depend on individual situation but the decision of Institute regarding the steps to be taken in this regard in an individual case will be final.
- vi) The Contractor shall not employ men and women below the age of 18 years on the work of painting with products containing lead in any form. Wherever men above the age of 18 are employed on the work of lead painting, the following precaution should be taken:-
- a) No paint containing lead or lead products shall be used except in the form of paste or ready made paint.
  - b) Suitable face masks should be supplied for use by the workers when paint is applied in the form of spray or a surface having lead paint is dry rubbed and scrapped.
  - c) Overalls shall be supplied by the contractors to the workmen and adequate facilities shall be provided to enable the working painters to wash during and on the cessation of work.
9. The Contractor shall not employ women and men below the age of 18 years on the work with product containing lead in any form, wherever men above the age of 18 years are employed on the work with product containing lead, the following principles must be observed for such use :
- i) White lead, sulphate of lead or product containing these pigment, shall not be used in painting operation except in the form of pastes or paint ready for use.
  - ii) Measures shall be taken, wherever required in order to prevent danger arising from

- the application of a paint in the form of spray.
- iii) Measures shall be taken, wherever practicable, to prevent danger arising out of from dust caused by dry rubbing down and scraping.
  - iv) Adequate facilities shall be provided to enable working painters to wash during and on cessation of work.
  - v) Overall shall be worn by working painters during the whole of working period.
  - vi) Suitable arrangement shall be made to prevent clothing put off during working hours being spoiled by painting materials.
  - vii) Cases of lead poisoning and suspected lead poisoning shall be notified and shall be subsequently verified by medical man appointed.
  - viii) Institute may require, when necessary medical examination of workers.
  - ix) Instructions with regard to special hygienic precautions to be taken in the painting trade shall be distributed to working painters.
10. When the work is done near any place where there is risk of drowning, all necessary equipments should be provided and kept ready for use and all necessary steps taken for prompt rescue of any person in danger and adequate provision, should be made for prompt first aid treatment of all injuries likely to be obtained during the course of the work.
11. Use of hoisting machines and tackle Including their attachments, anchorage and supports shall conform to the following standards or conditions :-
- (i) (a) These shall be of good mechanical construction, sound materials and adequate.
    - (a) Every rope used in hoisting or lowering materials or as a means of suspension shall be of durable quality and adequate strength, and free from patent defects.
  - (ii) Every crane driver or hoisting appliance operator, shall be properly qualified and no person under the age of 21 years should be in charge of any hoisting machine Including any scaffolding winch or give signals to operator.
  - (iii) In case of every hoisting machine and of every chain ring hook, shackle swivel and pulley block used in hoisting or as means of suspension, the safe working load shall be ascertained by adequate means. Every hoisting machine and all gear referred to above shall be plainly marked with the safe working load. In case of a hoisting machine having a variable safe working load each safe working load and the condition under which it is applicable shall be clearly indicated. No part of any machine or any gear referred to above in this paragraph shall be loaded beyond the safe working load except for the purpose of testing.
  - (iv) In case of departmental machines, the safe working load shall be notified by the Electrical Institute. As regards contractor's machines the contractors shall notify the safe working load of the machine to Institute whenever he

brings any machinery to site of work and get it verified by the Electrical Engineer concerned.

12. Motors, gearing, transmission, electric wiring and other dangerous parts of hoisting appliances should be provided with efficient safeguards. Hoisting appliances should be provided with such means as will reduce to the minimum the risk of accidental descent of the load. Adequate precautions should be taken to reduce to the minimum the risk of any part of a suspended load becoming accidentally displaced. When workers are employed on electrical installations which are already energized, insulating mats, wearing apparel, such as gloves, sleeves and boots as may be necessary should be provided. The worker should not wear any rings, watches and carry keys or other materials which are good conductors of electricity.
13. All scaffolds, ladders and other safety devices mentioned or described herein shall be maintained in safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use. Adequate washing facilities should be provided at or near places of work.
14. These safety provisions should be brought to the notice of all concerned by displaying a notice board at a prominent place at work spot. The person responsible for compliance of the safety code shall be named therein by the contractor.
15. To ensure effective enforcement of the rules and regulations relating to safety precautions the arrangements made by the contractor shall be open to inspection by the Labour Officer or Institute of the department or their representatives.
16. Notwithstanding the above clauses from (1) to (15), there is nothing in these to exempt the contractor from the operations of any other Act or Rule in force in the Republic of India.

## MODEL RULES TO BE FOLLOWED BY CONTRACTORS FOR THE PROTECTION OF HEALTH AND SANITARY ARRANGEMENTS OF WORKERS EMPLOYED

### 1. APPLICATION

These rules shall apply to all buildings and construction works in which twenty or more workers are ordinarily employed or are proposed to be employed in any day during the period during which the contract work is in progress.

### 2. DEFINITION

Work place means a place where twenty or more workers are ordinarily employed in connection with construction work on any day during the period during which the contract work is in progress.

### 3. FIRST-AID FACILITIES

(i) At every work place, there shall be provided and maintained, so as to be easily accessible during working hours, first-aid boxes at the rate of not less than one box for 150 contract labour or part thereof ordinarily employed.

(ii) The first-aid box shall be distinctly marked with a red cross on white background and shall contain

a) For work places in which the number of contract labour employed does not exceed 50-the following equipment:-

Each first-aid box shall contain the following equipments :-

1. 6 small sterilized dressings.
2. 3 medium size sterilized dressings.
3. 3 large size sterilized dressings.
4. 3 large sterilized burn dressings.
5. 1 (30 ml.) bottle containing a two per cent alcoholic solution of iodine.
6. 1 (30 ml.) bottle containing salvolatile having the dose and mode of administration indicated on the label.
7. 1 snakebite lancet.
8. 1 (30 gms.) bottle of potassium permanganate crystals.
9. 1 pair scissors.
10. 1 copy of the first-aid leaflet issued by the Director General, Factory Advice Service and Labour Institutes, Government of India.
11. 1 bottle containing 100 tablets (each of 5 gms.) of aspirin.
12. Ointment for burns.
13. A bottle of suitable surgical antiseptic solution.

b) For work places in which the number of contract labour exceed 50. Each first-aid box shall contain the following equipments.

1. 12 small sterilized dressings.

2. 6 medium size sterilized dressings.
3. 6 large size sterilized dressings.
4. 6 large size sterilized burn dressings.
5. 6 (15 gms.) packets sterilized cotton wool.
6. 1 (60 ml.) bottle containing a two per cent alcoholic solution iodine.
7. 1 (60 ml.) bottle containing salvolatile having the dose and mode of administration indicated on the label.
8. 1 roll of adhesive plaster.
9. 1 snake bite lancet.
10. 1 (30 gms.) bottle of potassium permanganate crystals.
11. 1 pair scissors.
12. 1 copy of the first-aid leaflet issued by the Director General Factory Advice Service and Labour Institutes/Government of India.
13. A bottle containing 100 tablets (each of 5 gms.) of aspirin.
14. Ointment for burns.
15. A bottle of suitable surgical antiseptic solution.

- (iii) Adequate arrangements shall be made for immediate recoupment of the equipment when necessary.
- (iv) Nothing except the prescribed contents shall be kept in the First-aid box.
- (v) The first-aid box shall be kept in charge of a responsible person who shall always be readily available during the working hours of the work place.
- (vi) A person in charge of the First-aid box shall be a person trained in First-aid treatment in the work places where the number of contract labour employed is 150 or more.
- (vii) In work places where the number of contract labour employed is 500 or more and hospital facilities are not available within easy distance from the works. First-aid posts shall be established and run by a trained compounder. The compounder shall be on duty and shall be available at all hours when the workers are at work.
- (viii) Where work places are situated in places which are not towns or cities, a suitable motor transport shall be kept readily available to carry injured person or person suddenly taken ill to the nearest hospital.

#### 4. DRINKING WATER

- (i) In every work place, there shall be provided and maintained at suitable places, easily accessible to labour, a sufficient supply of cold water fit for drinking.

- (ii) Where drinking water is obtained from an intermittent public water supply, each work place shall be provided with storage where such drinking water shall be stored.
- (iii) Every water supply or storage shall be at a distance of not less than 50 feet from any latrine drain or other source of pollution. Where water has to be drawn from an existing well which is within such proximity of latrine, drain or any other source of pollution, the well shall be properly chlorinated before water is drawn from it for drinking. All such wells shall be entirely closed in and be provided with a trap door which shall be dust and waterproof.
- (iv) A reliable pump shall be fitted to each covered well, the trap door shall be kept locked and opened only for cleaning or inspection which shall be done at least once a month.

## 5. WASHING FACILITIES

- (i) In every work place adequate and suitable facilities for washing shall be provided and maintained for the use of contract labour employed therein.
- (ii) Separate and adequate cleaning facilities shall be provided for the use of male and female workers.
- (iii) Such facilities shall be conveniently accessible and shall be kept in clean and hygienic condition.

## 6. LATRINES AND URINALS

- (i) Latrines shall be provided in every work place on the following scale namely :-
  - (a) Where female are employed, there shall be at least one latrine for every 25 females.
  - (b) Where males are employed, there shall be at least one latrine for every 25 males.

Provided that, where the number of males or females exceeds 100, it shall be sufficient if there is one latrine for 25 males or females as the case may be upto the first 100, and one for every 50 thereafter.
- (ii) Every latrine shall be under cover and so partitioned off as to secure privacy, and shall have a proper door and fastenings.
- (iii) Construction of latrines: The inside walls shall be constructed of masonry or some suitable heat-resisting nonabsorbent materials and shall be cement washed inside and outside at least once a year, Latrines shall not be of a standard lower than borehole system.
- (iv) (a) Where workers of both sexes are employed, there shall be displayed outside each block of latrine and urinal, a notice in the language understood by the majority of the workers "For Men only" or "For Women Only" as the case may be.
- (b) The notice shall also bear the figure of a man or of a woman, as the case may be.

- (v) There shall be at least one urinal for male workers upto 50 and one for female workers upto fifty employed at a time, provided that where the number of male or female workmen, as the case may be exceeds 500, it shall be sufficient if there is one urinal for every 50 males or females upto the first 500 and one for every 100 or part thereafter.
- (vi) (a) The latrines and urinals shall be adequately lighted and shall be maintained in a clean and sanitary condition at all times.  
(b) Latrines and urinals other than those connected with a flush sewage system shall comply with the requirements of the Public Health Authorities.
- (vii) Water shall be provided by means of tap or otherwise so as to be conveniently accessible in or near the latrines and urinals.
- (viii) Disposal of excreta :- Unless otherwise arranged for by the local sanitary authority, arrangements for proper disposal of excreta by incineration at the work place shall be made by means of a suitable incinerator. Alternately excreta may be disposed of by putting a layer of night soil at the bottom of a pucca tank prepared for the purpose and covering it with a 15 cm. layer of waste or refuse and then covering it with a layer of earth for a fortnight (when it will turn to manure).
- (ix) The contractor shall at his own expense, carry out all instructions issued to him by Institute to effect proper disposal of night soil and other conservancy work in respect of the contractor's workmen or employees on the site. The contractor shall be responsible for payment of any charges which may be levied by Municipal or Cantonment Authority for execution of such on his behalf.

## 7. PROVISION OF SHELTER DURING REST

At every place there shall be provided, free of cost, four suitable sheds, two for meals and the other two for rest separately for the use of men and women labour. The height of each shelter shall not be less than 3 metres (10 ft.) from the floor level to the lowest part of the roof. These shall be kept clean and the space provided shall be on the basis of 0.6 sq.m. (6 sqft) per head.

## 8. CRECHES

- (i) At every work place, at which 20 or more women worker are ordinarily employed, there shall be provided two rooms of reasonable dimensions for the use of their children under the age of six years. One room shall be used as a play room for the children and the other as their bedroom. The rooms shall be constructed with specifications as per clause 19H (ii) a, b & c.
- (ii) The rooms shall be provided with suitable and sufficient openings for light and ventilation. There shall be adequate provision of sweepers to keep the places clean.

- (iii) The contractor shall supply adequate number of toys and games in the play room and sufficient number of cots and beddings in the bed room.
- (iv) The contractor shall provide one ayaa to look after the children in the creche when the number of women workers does not exceed 50 and two when the number of women workers exceed 50.
- (v) The use of the rooms earmarked as creches shall be restricted to children, their attendants and mothers of the children.

## 9. CANTEENS

- (i) In every work place where the work regarding the employment of contract labour is likely to continue for six months and where in contract labour numbering one hundred or more are ordinarily employed, an adequate canteen shall be provided by the contractor for the use of such contract labour.
- (ii) The canteen shall be maintained by the contractor in an efficient manner.
- (iii) The canteen shall consist of at least a dining hall, kitchen, storeroom, pantry and washing places separately for workers and utensils.
- (iv) The canteen shall be sufficiently lighted at all times when any person has access to it.
- (v) The floor shall be made of smooth and impervious materials and inside walls shall be lime-washed or colour washed at least once in each year.  
Provided that the inside walls of the kitchen shall be lime-washed every four months.
- (vi) The premises of the canteen shall be maintained in a clean and sanitary condition.
- (vii) Waste water shall be carried away in suitable covered drains and shall not be allowed to accumulate so as to cause a nuisance.
- (viii) Suitable arrangements shall be made for the collection and disposal of garbage.
- (ix) The dining hall shall accommodate at a time 30 per cent of the contract labour working at a time.
- (x) The floor area of the dining hall, including the area occupied by the service counter and any furniture except tables and chairs shall not be less than one square metre (10 sqft) per diner to be accommodated as prescribed in sub- Rule 9.
- (xi) (a) A portion of the dining hall and service counter shall be partitioned off and reserved for women workers in proportion to their number.  
(b) Washing places for women shall be separate and screened to secure privacy.
- (xii) Sufficient tables stools, chair or benches shall be available for the number of diners to be accommodated as prescribed in sub-Rule 9.
- (xiii) (a) 1. There shall be provided and maintained sufficient utensils crockery, furniture and any other equipments necessary for the efficient running of the

canteen.

2. The furniture utensils and other equipment shall be maintained in a clean and hygienic condition.

(b) 1. Suitable clean clothes for the employees serving in the canteen shall be provided and maintained.

2. A service counter, if provided, shall have top of smooth and impervious material.

3. Suitable facilities Including an adequate supply of hot water shall be provided for the cleaning of utensils and equipments.

(xiv) The food stuffs and other items to be served in the canteen shall be in conformity with the normal habits of the contractlabour.

(xv) The charges for food stuffs, beverages and any other items served in the canteen shall be based on 'No profit, No loss' and shall be conspicuously displayed in the canteen.

(xvi) In arriving at the price of foodstuffs, and other article served in the canteen, the following items shall not be taken into consideration as expenditure namely:-

(a) The rent of land and building.

(b) The depreciation and maintenance charges for the building and equipments provided for the canteen.

(c) The cost of purchase, repairs and replacement of equipments Including furniture, crockery, cutlery and utensils.

(d) The water charges and other charges incurred for lighting and ventilation.

(e) The interest and amounts spent on the provision and maintenance of equipments provided for the canteen.

(xvii) The accounts pertaining to the canteen shall be audited once every 12 months by registered accountants and auditors.

#### **10. ANTI-MALARIAL PRECAUTIONS**

The contractor shall at his own expense, conform to all anti-malarial instructions given to him by Institute Including the filling up of any borrow pits which may have been dug by him.

**11.** The above rules shall be incorporated in the contracts and in notices inviting tenders and shall form an integral part of the contracts.

#### **12. AMENDMENTS**

Institute, from time to time, add to or amend these rules and issue directions - it may consider necessary for the purpose of removing any difficulty which may arise in the administration thereof.

## CONTRACTOR'S LABOUR REGULATIONS

### 1. SHORT TITLE

These regulations may be called the Contractors Labour Regulations.

### 2. DEFINITIONS

i) **Workman** means any person employed by contractor directly or indirectly through a subcontractor to do any skilled, semiskilled or unskilled manual, supervisory, technical or clerical work for hire or reward, whether the terms of employment are expressed or implied but does not include any person:-

- a) Who is employed mainly in a managerial or administrative capacity : or
- b) Who, being employed in a supervisory capacity draws wages exceeding five hundred rupees per mensem or exercises either by the nature of the duties attached to the office or by reason of powers vested in him, functions mainly of managerial nature: or
- c) Who is an out worker, that is to say, person to whom any article or materials are given out by or on behalf of the principal employers to be made up cleaned, washed, altered, ornamental finished, repaired adopted or otherwise processed for sale for the purpose of the trade or business of the principal employers and the process is to be carried out either in the home of the out worker or in some other premises, not being premises under the control and management of the principal employer.

No person below the age of 14 years shall be employed to act as a workman.

ii) **Fair Wages** means wages whether for time or piece work fixed and notified under the provisions of the Minimum Wages Act from time to time.

iii) **Contractors** shall include every person who undertakes to produce a given result other than a mere supply of goods or articles of manufacture through contract labour or who supplies contract labour for any work and includes a subcontractor.

iv) **Wages** shall have the same meaning as defined in the Payment of Wages Act.

3. i) Normally working hours of an adult employee should not exceed 9 hours a day. The working day shall be so arranged that inclusive of interval for rest, if any, it shall not spread over more than 12 hours on any day.
- ii) When an adult worker is made to work for more than 9 hours on any day or for more than 48 hours in any week, he shall be paid over time for the extra hours put in by him at double the ordinary rate of wages.
- iii) a) Every worker shall be given a weekly holiday normally on a Sunday, in accordance with the provisions of the Minimum Wages (Central) Rules 1960

as amended from time to time irrespective of whether such worker is governed by the Minimum Wages Act or not.

b) Where the minimum wages prescribed by the Government under the Minimum Wages Act are not inclusive of the wages for the weekly day of rest, the worker shall be entitled to rest day wages at the rate applicable to the next preceding day, provided he has worked under the same contractor for a continuous period of not less than 6 days.

c) Where a contractor is permitted by Institute to allow a worker to work on a normal weekly holiday, he shall grant a substituted holiday to him for the whole day on one of the five days immediately before or after the normal weekly holiday and pay wages to such worker for the work performed on the normal weekly holiday at overtime rate.

#### 4. **DISPLAY OF NOTICE REGARDING WAGES ETC.**

The contractor shall before he commences his work on contract, display and correctly maintain and continue to display and correctly maintain in a clear and legible condition in conspicuous places on the work, notices in English and in the local Indian languages spoken by the majority of the workers giving the minimum rates of wages fixed under Minimum Wages Act, the actual wages being paid, the hours of work for which such wage are earned, wages periods, dates of payments of wages and other relevant information as per Appendix 'III'.

#### **PAYMENT OF WAGES**

- i) The contractor shall fix wage periods in respect of which wages shall be payable.
- ii) No wage period shall exceed one month.
- iii) The wages of every person employed as contract labour in an establishment or by a contractor where less than one thousand such persons are employed shall be paid before the expiry of seventh day and in other cases before the expiry of tenth day after the last day of the wage period in respect of which the wages are payable.
- iv) Where the employment of any worker is terminated by or on behalf of the contractor the wages earned by him shall be paid before the expiry of the second working day from the date on which his employment is terminated.
- v) All payment of wages shall be made on a working day at the work premises and during the working time and on a date notified in advance and in case the work is completed before the expiry of the wage period, final payment shall be made within 48 hours of the last working day.
- vi) Wages due to every worker shall be paid to him direct or to other person authorized by him in this behalf.
- vii) All wages shall be paid in current coin or currency or in both.
- viii) Wages shall be paid without any deductions of any kind except those specified by the Central Government by general or special order in this behalf

or permissible under the Payment of Wages Act 1956.

- ix) A notice showing the wages period and the place and time of disbursement of wages shall be displayed at the place of work and a copy sent by the contractor to Institute under acknowledgment.
- x) It shall be the duty of the contractor to ensure the disbursement of wages in the presence of the Junior Engineer or any other authorized representative of Institute who will be required to be present at the place and time of disbursement of wages by the contractor to workmen.
- xi) The contractor shall obtain from the Junior Engineer or any other authorized representative of Institute as the case may be, a certificate under his signature at the end of the entries in the "Register of Wages" or the "Wage-cum-Muster Roll" as the case may be in the following form:-  
 "Certified that the amount shown in column No .....has been paid to the workman concerned in my presence on ..... at ....."

## 5. FINES AND DEDUCTIONS WHICH MAY BE MADE FROM WAGES

- (i) The wages of a worker shall be paid to him without any deduction of any kind except the following :-
  - (a) Fines
  - (b) Deductions for absence from duty i.e. from the place or the places where by the terms of his employment he is required to work. The amount of deduction shall be in proportion to the period for which he was absent.
  - (c) Deduction for damage to or loss of goods expressly entrusted to the employed person for custody, or for loss of money or any other deduction which he is required to account, where such damage or loss is directly attributable to his neglect or default.
  - (d) Deduction for recovery of advances or for adjustment of overpayment of wages, advances granted shall be entered in a register.
  - (e) Any other deduction which the Central Government may from time to time allow.
- (ii) No fines should be imposed on any worker save in respect of such acts and omissions on his part as have been approved of by the Chief Labour Commissioner.  
 Note :- An approved list of Acts and Omissions for which fines can be imposed is enclosed at Appendix-X
- (iii) No fine shall be imposed on a worker and no deduction for damage or loss shall be made from his wages until the worker has been given an opportunity of showing cause against such fines or deductions.
- (iv) The total amount of fine which may be imposed in any one wage period on a worker shall not exceed an amount equal to three paise in a rupee of the total wages, payable to him in respect of that wage period.
- (v) No fine imposed on any worker shall be recovered from him by installment, or

after the expiry of sixty days from the date on which it was imposed.

- (vi) Every fine shall be deemed to have been imposed on the day of the act or omission in respect of which it was imposed.

## 6. LABOUR RECORDS

- (i) The contractor shall maintain a Register of persons employed on work on contract in Form XIII of the CL (R&A) Central Rules 1971 (Appendix IV)
- (ii) The contractor shall maintain a Muster Roll register in respect of all workmen employed by him on the work under Contract in Form XVI of the CL (R&A) Rules 1971 (Appendix V).
- (iii) The contractor shall maintain a Wage Register in respect of all workmen employed by him on the work under contract in Form XVII of the CL (R&A) Rules 1971 (Appendix VI).
- (iv) Register of accident - The contractor shall maintain a register of accidents in such form as may be convenient at the work place but the same shall include the following particulars:
- a) Full particulars of the labourers who met with accident.
  - b) Rate of Wages.
  - c) Sex
  - d) Age
  - e) Nature of accident and cause of accident.
  - f) Time and date of accident.
  - g) Date and time when admitted in Hospital,
  - h) Date of discharge from the Hospital.
  - i) Period of treatment and result of treatment.
  - j) Percentage of loss of earning capacity and disability as assessed by Medical Officer.
  - k) Claim required to be paid under Workmen's Compensation Act.
  - l) Date of payment of compensation.
  - m) Amount paid with details of the person to whom the same was paid.
  - n) Authority by whom the compensation was assessed.
  - o) Remarks
- (v) The contractor shall maintain a Register of Fines in the Form XII of the CL (R&A) Rules 1971 (Appendix-XI)  
The contractor shall display in a good condition and in a conspicuous place of work the approved list of acts and omissions for which fines can be imposed (Appendix-X).
- (vi) The contractor shall maintain a Register of deductions for damage or loss in Form XX of the CL (R&A) Rules 1971 (Appendix-XII)
- (vii) The contractor shall maintain a Register of Advances in Form XXIII of the CL (R&A) Rules 1971 (Appendix-XIII)
- (viii) The contractor shall maintain a Register of Overtime in Form XXIII of the CL

(R&A) Rules 1971 (Appendix-XIV)

**7. ATTENDANCE CARD-CUM-WAGE SLIP**

- (i) The contractor shall issue an Attendance card-cum-wage slip to each workman employed by him in the specimen form(Appendix-VII)
- (ii) The card shall be valid for each wage period.
- (iii) The contractor shall mark the attendance of each workman on the card twice each day, once at the commencement of the day and again after the rest interval, before he actually starts work.
- (iv) The card shall remain in possession of the worker during the wage period under reference.
- (v) The contractor shall complete the wage slip portion on the reverse of the card at least a day prior to the disbursement of wages in respect of the wage period under reference.
- (vi) The contractor shall obtain the signature or thumb impression of the worker on the wage slip at the time of disbursement of wages and retain the card with himself.

**8. EMPLOYMENT CARD**

The contractor shall issue an Employment Card in Form XIV of the CL (R&A) Central Rules 1971 to each worker within three days of the employment of the worker (Appendix-VIII).

**9. SERVICE CERTIFICATE**

On termination of employment for any reason whatsoever the contractor shall issue to the workman whose services have been terminated, a Service certificate in Form XV of the CL (R&A) Central Rules 1971(Appendix-IX)

**10. PRESERVATION OF LABOUR RECORDS**

All records required to be maintained under Regulations Nos. 6 & 7 shall be preserved in original for a period of three years from the date of last entries made in them and shall be made available for inspection by Institute or Labour Officer or any other officers authorized by the Ministry of Urban Development in this behalf.

**11. POWER OF LABOUR OFFICER TO MAKE INVESTIGATIONS OR ENQUIRY**

The Labour Officer or any person authorized by Central Government on their behalf shall have power to make enquires with a view to ascertaining and enforcing due and proper observance of Fair Wage Clauses and the Provisions of these Regulations. He shall investigate into any complaint regarding the default made by the contractor or subcontractor in regard to such provision.

**12. REPORT OF LABOUR OFFICER**

The Labour Officer or other persons authorized as aforesaid shall submit a report of result of his investigation or enquiry to the Institute indicating the extent, if any, to which the default has been committed with a note that necessary deductions from the contractor's bill be made and the wages and other dues be paid to the labourers concerned. In case an appeal is made by the contractor under Clause 13 of these regulations, actual payment to labourers will be made by Institute after his decision on such appeal.

- (i) Institute shall arrange payments to the labour concerned within 45 days from the receipt of the report from the Labour Officer.

**13. PROHIBITION REGARDING REPRESENTATION THROUGH LAWYER**

- i) A workman shall be entitled to be represented in any investigation or enquiry under these regulations by:-
  - a) An officer of a registered trade union of which he is a member.
  - b) An officer of a federation of trade unions to which the trade union referred to in clause (a) is affiliated.
  - c) Where the employer is not a member of any registered trade union, by an officer of a registered trade union, connected with the industry in which the worker is employed or by any other workman employed in the industry in which the worker is employed.
- ii) An employer shall be entitled to be represented in any investigation or enquiry under these regulations by :-
  - a) An officer of an association of employers of which he is a member.
  - b) An officer of a federation of associations of employers to which association referred to in clause (a) is affiliated.
  - c) Where the employers is not a member of any association of employers, by an officer of association of employer connected with the industry in which the employer is engaged or by any other employer, engaged in the industry in which the employer is engaged.
- iii) No party shall be entitled to be represented by a legal practitioner in any investigation or enquiry under these regulations.

**14. INSPECTION OF BOOKS AND SLIPS**

The contractor shall allow inspection of all the prescribed labour records to any of his workers or to his agent at a convenient time and place after due notice is received or to the Labour Officer or any other person, authorized by the Central Government on his behalf.

**15. SUBMISSIONS OF RETURNS**

The contractor shall submit periodical returns as may be specified from time to time.

**16. AMENDMENTS**

The Central Government may from time to time add to or amend the regulations and on any question as to the application/Interpretation or effect of those regulations the decision of the Superintending Engineer concerned shall be final.

## Appendix-'I'

## REGISTER OF MEDICAL BENEFITS

Name and address of the contractor .....

Name and location of the work .....

Name of the employee	Father's/Husband's Name	Nature of Employment	Period of actual employment	Date on which notice of confinement given
1	2	3	4	5

Date on which maternity leave commenced and ended

Date of delivery / miscarriage	In case of delivery		In case of miscarriage	
	Commenced	Ended	Commenced	Ended
6	7	8	9	10

Leave pay paid to the employee

In case of delivery		In case of miscarriage		Remarks
Rate of leave pay	Amount paid	Rate of leave pay	Amount Paid	
11	12	13	14	15

## Appendix 'II'

SPECIMEN FORM OF THE REGISTER, REGARDING MATERNITY BENEFIT  
ADMISSIBLE TO THE CONTRACTOR'S LABOUR

Name and address of the contractor.....

Name and location of the work .....

1. Name of the woman and her husband's name.
2. Designation
3. Date of appointment.
4. Date with months and years in which she is employed.
5. Date of discharged/dismissal, if any.
6. Date of production of certificates in respect of pregnancy.
7. Date on which the woman informs about the expected delivery.
8. Date of delivery/miscarriage/death.
9. Date of production of certificate in respect of delivery/miscarriage.
10. Date with the amount of maternity/death benefit paid in advance of expected delivery.
11. Date with amount of subsequent payment of maternity benefit.
12. Name of the person nominated by the woman to receive the payment of the maternity benefit after her death.
13. If the woman dies, the date of her death, the name of the person to whom maternity benefit amount was paid, the month thereof and the date of payment.
14. Signature of the contractor authenticating entries in the register.
15. Remarks column for the use of Inspecting Officer.

## Appendix 'III'

## Labour Board

Name of work .....

Name of Contractor .....

Address of Contractor .....

Name of Labour Enforcement Officer .....

Address of Labour Enforcement Officer .....

Sl. No.	Category	Minimum Wage fixed	Actual Wage paid	Number present	Remarks

Weekly holiday .....

Wage period .....

Date of payment of wages .....

Working hours .....

Rest interval .....

**Appendix 'IV'**  
**FORM XIII (See Rule 75)**  
**Register of workmen Employed by Contractor**

Name and address of contractor .....

Name and address of establishment under which contact is carried on .....

Nature and location of work .....

Name and address of Principal Employer .....

Sl. No.	Name and Surname of workman	Age and Sex	Father's/ Husband's Name	Nature of employment/ Designation	Permanent home address of the workman (Village and Tehsil, Taluk and District)	Local Address	Date of commencement of employment	Signature or Thumb impression of the workman	Date of termination of employment	Reasons for termination	Remarks
1	2	3	4	5	6	7	8	9	10	11	12

Appendix 'V'

FORM XVI (See Rule 78(2)(a)  
Muster Roll

Name and address of contractor .....

Name and address of establishment under which contact is carried on .....

Nature and location of work .....

Name and address of Principal Employer ..... for the month of fortnight .....

Sl. No.	Name of workman	Sex	Father's / Husband's Name	Dates					Remarks
				1	2	3	4	5	
1	2	3	4	5					6
				1	2	3	4	5	

## Appendix 'VI'

**FORM XVII (See Rule 78(2)(a))**  
**Register of Wages**

Name and address of contractor .....

Name and address of establishment under which contact is carried on .....

Nature and location of work .....

Name and address of Principal Employer ..... Wages Period Monthly / Fortnight .....

Sl. No.	Name of workman	Serial no. in the register of workman	Designation/nature of work done	No. of days worked	Units of work done	Daily rate of wages/ piece rate	Amount of wages earned					Deductions if any (indicate nature)	Net amount paid	Signature/thumb impression of the workman	Initial of contractor or its representative
							Basic Wages	Dearness Allowances	Overtime	Other cash payments (indicate nature)	Total				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Appendix 'VII'

WAGE CARD

Wage Card no. ....

Name and Address of the Contractor ..... Date of Issue .....

Name and location of work ..... Designation .....

Name of workman ..... Month / Fortnight .....

Rate of wages .....

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Morning																															Rate
Evening																															Amount
Initial																															

..... the sum of Rs ..... on account of my wages

Received from

Signature

The Wage Card is valid for one month from the date of issue

**Appendix 'VII'**

**WAGES SLIP**

Name and Address of contractor .....

Name and Father's/husband's name of workman .....

Nature and location of work .....

For the Week/Fortnight/Month ending .....

1. No. of days worked .....
2. No. of units worked in case of piece rate workers.....
3. Rate of daily wages/piece rate .....
4. Amount of overtime wages .....
5. Grosswages payable .....
6. Deduction,if any .....
7. Net amount of wages paid .....

Initials of the contractor or his representative

**Appendix 'VIII'**

**Form-XIV**

**EMPLOYMENT CARD**

- Name and Address of contractor .....
- Name and address of establishment under which contract is carried on .....
- Name of work and location of work .....
- Name and address of Principal Employer .....
- 1. Name of the workman .....
- 2. Sl. No. in the register of workman employed .....
- 3. Nature of employment/designation .....
- 4. Wage rate (with particulars of unit in case of piece work) .....
- 5. Wage period .....
- 6. Tenure of employment .....
- 7. Remarks .....

Signature of contractor

FORM XV (See Rule 77)
Service Certificate

Name and Address of contractor .....
Name of work and location of work .....
Name and address of workman.....
Age or Date of Birth .....
Identification Marks .....
Father's / Husband's Name .....
Name and address of establishment in under which contract is carried on .....
Name and address of the Principal Employer .....

Table with 5 columns: Sl. No., Total period for which employed (From, To), Nature of work done, Rate of wages (with particulars of unit in case of piece work), Remarks. Row 1 contains numbers 1, 2, 3, 4, 5, 6.

**Appendix 'X'****LIST OF ACTS AND OMISSIONS FOR WHICH FINES CAN BE IMPOSED**

In accordance with rule 7(v) of the Contractor's Labour Regulations to be displayed prominently at the site of work both in English and local Language.

1. Willful insubordination or disobedience, whether alone or in combination with other.
2. Theft fraud or dishonesty in connection with the contractors or property of Institute.
3. Taking or giving bribes or any illegal gratifications.
4. Habitual late attendance.
5. Drunkenness lighting, riotous or disorderly or indifferent behaviour.
6. Habitual negligence.
7. Smoking near or around the area where combustible or other materials are locked.
8. Habitual indiscipline.
9. Causing damage to work in the progress or to property of Institute or of the contractor.
10. Sleeping on duty.
11. Malingering or slowing down work.
12. Giving of false information regarding name, age father's name, etc.,
13. Habitual loss of wage cards supplied by the employers.
14. Unauthorised use of employer's property.
15. Bad workmanship in construction and maintenance by skilled workers which is not approved by the Department and for which the contractors are compelled to undertake rectifications.
16. Making false complaints and/or misleading statements.
17. Engaging on trade within the premises of the establishments.
18. Any unauthorised divulgence of business affairs of the employees.
19. Collection or canvassing for the collection of any money authorised by the employer.
20. Holding meeting inside the premises without previous sanction of the employers.
21. Threatening or intimidating any workman or employer during the working hours within the premises.

## Appendix 'XI'

**FORM XII (See Rule 78(2)(d))**  
**Register of Fines**

Name and Address of contractor .....

Name and address of establishment in under which contract is carried on .....

Nature and location of work .....

Name and address of Principal Employer .....

Sl. No.	Name of workman	Father's/ Husband's name	Designation/ Nature of employment	Act Omission for which fine imposed	Date of Offence	Whether workman showed cause against fine	Name of person in whose presence employee's explanation was heard	Wage period and wages payable	Amount of fine imposed	Date on which fine realized	Remarks
1	2	3	4	5	6	7	8	9	10	11	12

## Appendix 'XII'

**FORM XX (See Rule 78(2)(d))**  
**Register of Deduction for Damage or Loss**

Name and Address of contractor .....

Name and address of establishment in under which contract is carried on .....

Nature and location of work .....

Name and address of Principal Employer .....

Sl. No.	Name of workman	Father's/ Husband's name	Designation/ Nature of employment	Particulars of damage or loss	Date of damage or loss	Whether workman showed cause against deduction	Name of person in whose presence employee's explanation was	Amount of deduction imposed	No. of installments	Date of recovery		Remarks
										First installment	Last installment	
1	2	3	4	5	6	7	8	9	10	11	12	13

## Appendix 'XIII'

**FORM XXII (See Rule 78(2)(d))**  
**Register of Advances**

Name and Address of contractor .....

Name and address of establishment in under which contract is carried on .....

Nature and location of work .....

Name and address of Principal Employer .....

S. No.	Name of workman	Father's/ Husband's name	Designation/ nature of employment	Wage period and wages payable	Date and amount of advance given	Purpose(s) for which advance made	Number of installments by which advance to be repaid	Date and amount of each installment repaid	Date and which last installment was repaid	Remarks
1	2	3	4	5	6	7	8	9	10	11

## Appendix 'XIV'

**FORM XXIII (See Rule 78(2)(e))**  
**Register of Overtime**

Name and Address of contractor .....

Name and address of establishment in under which contract is carried on .....

Nature and location of work .....

Name and address of Principal Employer .....

Sl. No.	Name of workman	Father's / Husband's name	Sex	Designation / nature of employment	Date on which overtime worked	Total overtime or worked production in case of piece rated	Normal rate of wages	Overtime rate of wages	Overtime earning	Rate on which overtime paid	Remarks
1	2	3	4	5	6	7	8	9	10	11	12

**Notice for appointment of Arbitrator  
[Refer Clause 25]**

To  
Director,

Indian Institute of Management Rohtak  
Rohtak

Dear Sir,

In terms of clause 25 of the agreement, particulars of which are given below, I/we hereby give notice to you to appoint an arbitrator for settlement of disputes mentioned below:

1. Name of applicant
2. Whether applicant is Individual/Prop. Firm/Partnership Firm/Ltd. Co.
3. Full address of the applicant
4. Name of the work and contract number in which arbitration sought
5. Contract/Agreement No
6. Contract amount in the work
7. Date of contract
8. Date of contract Date of initiation of work
9. Stipulated date of completion of work
10. Actual date of completion of work (if completed)
11. Total number of claims made
12. Total amount claimed
13. Date of intimation of final bill (if work is completed)
14. Date of payment of final bill (if work is completed)
15. Amount of final bill (if work is completed)
16. Date of request made to Director for decision
17. Date of receipt of Director's decision

Specimen signatures of the applicant  
(only the person/authority who signed the contract should sign)

I/We certify that the information given above is true to the best of my/our knowledge. I/We enclose following documents.

1. Statement of claims with amount of claims.
- 2.
- 3.

Yours faithfully,  
(Signatures)

**FORM OF PERFORMANCE SECURITY (GUARANTEE)  
BANK GUARANTEE BOND**

In consideration of the Director, Indian Institute of Management Rohtak (hereinafter called "The Institute") having offered to accept the terms and conditions of the proposed agreement between.....and ..... (hereinafter called "the said Contractor(s)") for the work.....  
(hereinafter called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs. .... (Rupees ..... only) as a security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We, ..... (hereinafter referred to as "the Bank") hereby undertake to pay to the Institute an amount not exceeding Rs. ....  
(Rupees.....Only) on demand by the Institute.
2. We, ..... (indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from the Institute stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.  
..... (Rupees ..... only).
3. We, the said bank further undertake to pay the Institute any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.
4. We, ..... (indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Institute under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Institute on behalf of the Institute certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.
5. We, ..... (indicate the name of the Bank) further agree with

the Institute that the Institute shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Institute against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on the part of the Institute or any indulgence by the Institute to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
7. We, ..... (indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Institute in writing.
8. This guarantee shall be valid up to ..... unless extended on demand by the Institute. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs..... (Rupees ..... ) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the .....day of .....for.....(indicate the name of the Bank)

**PART-B**

**SPECIAL CONDITIONS &  
ADDITIONAL CONDITIONS**

## SPECIAL CONDITIONS OF CONTRACT

### 1.0 SPECIAL CONDITIONS OF CONTRACT

#### 1.1 SUB-CONTRACTORS

Where and when the appointment of specialist Sub-Contractors is indicated, such Sub-Contractors shall be appointed only with the prior written approval of the Institute upon recommendation of Engineer-in-Charge on the following conditions:-

- (A) The Contractor shall enter into written agreements with Sub-Contractors and ensure that the Sub-Contractors perform their Work in accordance with and subject to the terms and conditions of these Contract Documents. A copy of each such Agreement shall be furnished to the Engineer-in-Charge.
- (B) The Contractor shall remain fully responsible to the Institute for the performance and workmanship and all actions of all sub-Contractors and persons directly or indirectly employed by them.
- (C) The Contractor shall supply and permit all Sub-Contractors to avail of site facilities and services to enable them to complete their Work safely and without hindrance or delay and conducive to produce the highest quality of Work required.
- (D) The Contractor shall upon receipt of instruction from the Engineer-in-Charge, terminate and remove from site forthwith such Sub-Contractor or their persons whose Work may be considered unsatisfactory.
- (E) The Contractor shall make regular and prompt payment to each Sub- Contractor not later than one week after receipt of payment from the Institute for their measured Works certified by the Engineer-in-Charge. If the Contractor fails to make payments to Sub-Contractors as aforesaid, the Institute may, without any obligation or prejudice to its rights and with prior intimation to the Contractor may make direct payments to Sub-Contractors for and on behalf and from the account of the Contractor and recover such sums from the account of the Contractor out of the amounts due and payable under the bills raised by the Contractor. Such direct payments to Sub-Contractors shall be on behalf of the Contractor and shall in no way relieve the Contractor of his responsibilities or create a contractual relationship between the Owner and Sub-Contractor.
- (F) Any Subcontractor that has been approved by the Institute shall neither be removed nor replaced without the prior written consent of the Institute.

#### 1.2 PROTECTION OF PERSONS, WORKS AND PROPERTY ACCIDENT OR INJURY TO WORKMEN

The Institute shall not be liable for or in respect of any damages or compensation payable to any workman or other person in the employment of the Contractor or any Subcontractor.

**Accident Prevention:****(A) General:**

In performing this contract, the Contractor shall provide for protecting the lives and health of employees and other persons preventing damage to or theft or loss of property, materials, supplies, and equipment; and avoiding Work interruptions. For these purposes, the Contractor shall

- Provide appropriate safety barricades, signs, and signal lights.
- Comply with the standards issued by any statutory bodies having jurisdiction over occupational health and safety and Ensure that any additional measures as required by the Engineer-in-Charge for this purpose.

**(B) Records.**

The Contractor shall maintain an accurate record of exposure data on all accidents taken place incidental to performance of Work(s) under this contract resulting in death, traumatic injury, occupational disease, or damage to or theft/loss of property, materials, supplies, or equipment. The Contractor shall report this data in the manner prescribed by Engineer-in-charge.

**(C) Sub-Contractors:**

The Sub-Contractors shall be bound to comply with the clause in the same manner as complied with by the Contractor. In the event of non-compliance by the Sub-Contractor of such clause, the Contractor shall be responsible for compliance of the Sub-Contractor.

**(D) Written program:**

Before commencing the Work, the Contractor shall submit to the Institute a written proposal for implementing this clause,

**1.3 HAZARDOUS MATERIAL IDENTIFICATION****(A) Notification:**

The Contractor shall notify Engineer-in-charge in writing of all hazardous material 5 days before delivery of the material. This obligation applies to all materials delivered under this contract, which will involve exposure to hazardous materials or items containing these materials.

**(B) Responsibility of Contractor:**

Neither the requirement of this clause nor any act or failure to act by the Institute shall relieve the Contractor of any responsibility or liability for the safety of the Institute, Contractor, or Sub-Contractor's personnel or property.

**(C) Compliance with laws:**

The Contractor shall comply with applicable laws, Including the Public Liability Insurance Act 1991, Fatal Accident Act 1855, codes, ordinances, and regulations (Including the obtaining of licenses and permits) in connection with hazardous materials. Contractor shall pay fees and other expenses for obtaining such permission or licenses.

Sub-Contractors:

The Contractor shall insert these above clauses, relating to hazardous material, with appropriate changes on entering into contracts or agreements with Sub-Contractors and the sub-contractors shall be bound and be liable to comply with the same, and in the event of non-compliance of the same, the Contractor shall be held liable for damages or otherwise on the acts of the Sub-Contractor in this regard.

The chemicals shall be tested in an independent laboratory as approved by the Engineer-in-charge at the frequency as specified. If required, more samples may have to be tested as per the directions of the Engineer-in-Charge.

#### 1.4 PROTECTION OF PROPERTY

1. Vegetation, structures and equipment:

The Contractor shall preserve and protect all structures, equipment, and vegetation on or adjacent to the Work site, and which do not unreasonably interfere with the Work required under this contract and shall not be removed by the Contractor. The Contractor shall only remove trees when specifically authorized to do so, and shall avoid damaging vegetation that will remain in place.

2. Utilities and improvements:

The Contractor shall protect from damage and have all existing improvements and utilities at or near the Work site and on adjacent property of a third party, the locations of which are made known to or should be known by the Contractor. The Contractor shall be liable to repair any damage caused to those facilities, including those that are the property of a third party, resulting from failure to comply with the requirements of this contract or failure to exercise reasonable care in performing the Work. If the Contractor fails or refuses to repair the damage promptly, the Engineer-in-Charge may have the necessary Work performed and charge the cost to the Contractor or reduce such amounts from the bills of the Contractor due and payable by the Institute.

3. Contractor shall be required to work within specified areas and they shall be allowed to use only those areas around the works under their scope, for storage of their materials, construction of site offices, erection of batching plant etc. at predetermined locations as shown on the plans. The area so demarcated, shall be barricaded in such a way that the construction activities or the moving vehicular traffic involved in carriage of construction materials/construction waste etc. do not create interference with any other areas within the premises or activities of the Institute or the activities of other contractor/s working within the premises.

4. The contractor shall provide suitable barricading approximately 2.0 m high, with suitably painted with three rows of G.I. Sheets about 2'6" to 3'0" wide (75 cms to 90 cms.) nailed or bolted with wooden poles spaced 2 to 3 meter apart and each pole 1.6 m to 2 m long 8 cm. to 10 cm. dia. The poles will be embedded

in mobile iron pedestal rings suitably framed for giving stable support as per direction of the Engineer-in-charge. All management (Including watch and ward) of barricades shall be the full responsibility of the contractor. The barricades shall be removed only after completion of the work or part of the work. The contractor's rate shall include all above items of work and nothing extra shall be paid to the contractor over and above his quoted rates.

5. The positioning of barricading will be reviewed from time to time and necessary shifting barricading as directed by Engineer -in-charge shall be done forthwith by the contractor and nothing extra shall be paid to the contractor.
6. Contractor will make his own arrangements for making temporary roads and approaches to various locations of work under their scope and up to disposal sites marked on the drawing. These internal approaches and temporary roads shall be made in such a way that they do not affect construction activities of permanent roads within the premises at any time.

### **1.5 Watchmen and Security**

The Contractor shall provide sufficient personnel and materials to provide adequate protection to the property and personnel at the site, in transit and stored goods/materials Including but not limited to measures specifically required by and under the Contract Documents and any security requirements under this contract.

### **1.6 CORRECTIVE ACTION**

#### **(A) Authority to Stop Work:**

Engineer-in-charge shall notify the Contractor of any non-compliance with the safety and property protection measures as required under this contract of which Institute becomes aware and of the corrective action required. This notice, when delivered to the Contractor or the Contractor's authorized representative at the site of the Work shall be deemed sufficient notice of non-compliance and corrective action required. After receiving the notice, the Contractor shall immediately take necessary steps to correct the action. If the Contractor fails or refuses to take corrective action promptly, the Engineer-in-Charge shall at his discretion may issue an order stopping all or part of the Work(s) until satisfactory corrective action has been taken. The Contractor shall not base any claim or request for equitable adjustment for additional time or money on any stop Work order issued under these circumstances.

#### **(B) Rectification:**

The Contractor shall be solely responsible to make good at his cost any damage to the Works, property of the Institute and/or any adjacent property, to the satisfaction of the Engineer-in-Charge. In case the contractor fails to do so within a reasonable time the Engineer-in-Charge shall get the same executed at the risk & cost of the contractor & deduct the same from his due payments.

### **1.7 SITE SECURITY**

The Contractor shall be deemed to be in possession of the Works site and shall be responsible for its total security, and shall ensure that all materials, sheds,

equipment, plant, tools, etc; whether his own or belonging to any Sub-Contractor, are well protected.

- (A) The Contractor shall at his own cost install and maintain sufficient security fences and gates and employ full time round-the-clock security personnel to prevent the Works site from and against the intrusion of the public or any other unauthorized persons or vehicles.
- (B) Total security of the site, property, and materials shall be the sole responsibility of the Contractor. The presence of his consultant's representatives or IIM Rohtak's security personnel shall in no way relieve or absolve the Contractor of his responsibilities in ensuring the security and protection of the site and everything stored or lying thereon.

#### **1.8 WARRANTY/Guarantee**

The Contractor shall be responsible for the proper performance of the Work(s), Including installations and systems, as specified under the Contract Documents.

Subject to Clause the Contractor shall, at his own cost and in the shortest possible time, repair and remove any defect or deficiency in the Works, which may appear prior to or during the defect liability period, to the satisfaction of the Engineer-in- Charge.

A guarantee will be given by the Contractor for the complete installation of the Works Including its functioning, replacement of parts etc. as specified under the Contract Documents.

#### **1.9 CONTRACTOR'S RESPONSIBILITIES AND WORK CONTROL**

The Contractor shall have complete control of the Works and shall effectively and diligently control, direct and supervise his employees, supervisors, subordinates and Sub-Contractor(s) so as to ensure timely completion of the Works in order and in conformity with the Contract Documents. It shall be the sole responsibility of the Contractor for construction means, methods, techniques, sequences and procedures, and for coordinating the various parts of the Work, whether carried out by the Contractor or any Sub-Contractor.

The Contractor shall provide adequate, qualified and experienced personnel for the proper superintendence and execution of the Works until completion. The category and strength of such personnel shall be determined by the Engineer-in-Charge, and such approved site organization strength shall be maintained by the Contractor at all times until completion of Work(s), and also during defects liability period and as may be decided by the Engineer-in-Charge.

The Contractor shall be responsible for the design, erection, operation, maintenance and removal of temporary structures and other facilities at his own cost during completion of the Works. Any approval sought, given or implied, regarding sufficiency, stability and safety of temporary staging and facilities shall in any way not relieve the Contractor of his responsibility.

- (A) The Contractor shall study all Contract Documents and promptly report to the Engineer-in-Charge any non-conformity, discrepancy, inconsistency or omission he may discover in the same. In the event of such discovery, the Contractor shall not proceed with the affected Works until he has received due corrections and clearances from the Engineer-in-Charge.
- (B) The Contractor shall be deemed to have thoroughly studied and satisfied himself regarding Contract Documents and particularly all drawings before commencement of the Work(s). Should any discrepancy or error be discovered during execution of parts of the Work(s) necessitating demolition, repairs or reconstruction, all such remedial measures shall be carried out only with the approval of the Engineer-in-Charge and entirely at the cost of the Contractor. In such an event the Contractor shall neither claim any extra payment nor any extension of time for any delay caused by virtue of such demolition, repairs and reconstruction.

Any instructions given to the Contractor's supervisory staff by the Engineer-in-Charge shall be deemed to have been given to the Contractor. Instructions that involve any variations in design or specifications and which may have a bearing on time and cost shall be through a written Change Order by the Engineer-in-Charge and at rates agreed in writing prior to implementation.

The Contractor shall at his own cost, obtain any permits or authorizations necessary for the execution of the Work and obtaining any permits or approvals for the works executed by him, from all concerned statutory and Institute Authorities/Authority's, Including but not limited to Municipal bodies, Electrical Authority, Fire Service Authorities etc.

The Contractor shall not be entitled to claim additional sums on account of having to work overtime in order to complete an operation that cannot be interrupted, for working in extended shifts/night shifts/holidays.

In the event the Contractor chooses to work overtime, in extended night shifts as and by way of overtime either by working extended/night shifts or morning or holidays in order to complete the Work(s) within the specified period or on holidays, he shall do so by obtaining prior written approval from the Engineer-in-Charge at least twenty-four hours in advance. The Contractor moreover shall ensure that in any of the above circumstances he maintains the full-agreed strength of his supervisory staff.

The Contractor shall take all necessary precautions to protect the site and Works, materials, plant and equipment, whether his own or belonging to the Institute or any Sub-Contractors, against hazards of fire, rains, floods, landslides, underground water, accidents, etc.

The Contractor shall not be permitted to replace nor remove his Project Head/Project Engineer/Site Engineer etc. from the site without the prior written approval of the Engineer-in-Charge.

### **Submittals**

- (C) “Shop drawings” means those drawings or other documents, which are specifically prepared by or on behalf of the Contractor to illustrate details of construction for the purpose of fabrication or installation and are submitted to the Owner to indicate the Contractor’s intended method of achieving the end result required by the Contract Drawings and Specifications.
- (D) “Project data” includes standard drawings, diagrams, layouts, schematics, descriptive literature, illustrations, schedules, performance and test data, and similar materials furnished by the Contractor to explain in detail specific portions of the Work required by the Contract.
- (E) “Samples” are physical examples, which illustrate materials, equipment or workmanship and establish standards by which the Work will be judged.
- (F) “Other submittals” includes progress schedules, setting drawings, testing and inspection reports, and other information required by the Contract Documents to be submitted by the Contractor for information or approval by the Institute.

### **Schedules of Submittals**

Promptly after contract award the Contractor shall submit to the Engineer-in-Charge the submittal schedule showing when shop drawings, product data, samples and other submittals required by and under the Tender Documents would be submitted for the approval of the Engineer-in-Charge.

### **Review and approval of submittals by Contractor**

The Contractor shall co-ordinate and compile all submittals required by and under the Contract Documents, and thoroughly check them for accuracy, completeness, and compliance in accordance with contract requirements and shall indicate his approval thereon in the form required by the Contract Documents as evidence of such co-ordination and checking. Submittals to the Engineer-in-Charge without the approval of the Contractor shall be returned by the Engineer-in-Charge for resubmission. Submission of shop drawings, product data or samples shall constitute a representation that the Contractor has agreed to, asserted and guaranteed that the assemblies, products or materials indicated therein will be available in a timely manner and in the quantities required for the project as set out under the Contract Documents.

### **Submission**

All submittals shall be in English language, and any system of dimensions (i.e.; English or metric) shown shall be consistent with that used in the Contract Documents. The Contractor shall submit all Submittals in the form and number required by the Contract Documents within required time limits and sufficiently in advance of construction requirements to permit adequate review by the Institute for correction, approval and resubmission if required. No extension of time shall be allowed on account of any delay by the Institute in approving such submittals, if the Contractor has failed to act promptly and responsively in making his submissions. Each submittal shall be identified as required by the Contract Documents.

**Action on Submittals**

The Engineer-in-Charge will indicate an approval or disapproval of the Submittals for and on behalf of the Institute requiring approval by the Institute and if not approved as submitted shall indicate the Institute's reasons thereof. Approval by the Engineer-in-Charge shall not relieve the Contractor from responsibility for any errors or omissions in his submittals, nor from responsibility for complying with the requirements of this contract, except with respect to variations described by the Contractor and approved in accordance with "Variations in Submittals" Clause. The approval of the Engineer-in-Charge on the submittals will be for general compliance with the intent of the Contract Documents and with the information given therein, and shall not be construed

- (A) As permitting any departure from the contract requirements
- (B) As relieving the Contractor of responsibilities for any error Including details, dimensions, materials, etc. and
- (C) As approving departures from details appearing on Contract Drawings and Specifications.

Where approval of Submittals is required, the Contractor shall perform the Work in accordance with such approved Submittals. Any Work performed by the Contractor prior to such approval by the Engineer-in-Charge shall be at the sole risk and liability of the Contractor.

**Variation in Submittals**

If Submittals contain any variations from the contract requirements, other than those requested on previous submittals, the Contractor shall specifically describe such variations in writing and the reasons thereof to the Engineer-in-Charge. If the approval of any such variation affects the Contract Price or the Completion time of the Contract, the Engineer-in-Charge shall issue an appropriate Contract modification. Otherwise, the variation may be approved by the Engineer-in-Charge, only by specific reference thereto in writing. The Contractor shall not be entitled to rely on general approval of a submittal as an approval of variations of requirements of the Contractor. If the Contractor fails to describe such variations and shall not be relieved from the responsibilities of executing the Work in accordance with the contract, notwithstanding a general approval of such submittals. Nothing contained herein shall relieve the Contractor of the responsibility of notifying the Engineer-in-Charge of any part of the Contract Drawings or Specifications, which the Contractor knows or reasonably should have known which could result in defects under construction.

**Use of submittals**

The Owner shall not duplicate, use, and disclose in any manner and for any purpose shop drawings, product data and other submittals delivered under this contract.

**Placement of Orders**

The Contractor shall place orders for items requiring a sample or product data submittal promptly after receiving the written approval of the submittal by the Engineer-in-Charge. No such materials or products shall be ordered or used in the

Work until such written approval by the Engineer-in-Charge has been given. In the event such materials or products pre ordered or used in the Works without the written approval of the Engineer-in-Charge, the same shall be at the risks, consequences, liability and costs of the Contractor.

#### **Use and testing of samples**

(A) Use:

Approved samples not destroyed in testing will be sent to Engineer-in-Charge. Those samples, which are in good condition, will be marked for identification and may be used in the Works. Materials and equipment incorporated in the Work shall match the approved samples within any specified tolerances. Other samples not destroyed in testing nor approved will be returned to the Contractor at the expense of the Contractor if so requested at the time of submission.

Failure of samples to pass specified tests:

Failure of any material to pass the specified tests will be sufficient cause for refusal to consider, under this contract, any further samples of the same brand or make of that material or equipment which previously has proved unsatisfactory in service.

(B) Taking and testing of samples:

Samples of various materials or equipment delivered on the site or in place will be taken by the PMC for external lab testing. All the testing charges is to be brne by the contractor.

(C) Cost of additional testing:

Unless otherwise specified, when additional tests are made, only one test of each set of sample proposed for use will be made at the expense of the Contractor. Samples, which do not meet contract requirements, will be rejected. Further testing of additional samples, if required, will be made at the expense and costs of the Contractor.

#### **1.10 Co-operation with other contractors/specialized agencies/sub-contractors**

- (1) The Contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants or occupants of the adjacent properties and to the public in general. The Contractor shall take all care, as not to damage any other adjacent property or other services running adjacent to the plot. If any damage is done, the same shall be made good by the Contractor at his own cost and to the entire satisfaction of the Engineer-in-Charge. The Contractor shall use such methodology and equipment for execution of the work, so as to cause minimum environmental pollution of any kind during construction, to have minimum construction time and minimum inconvenience to road users and to the occupants of the buildings on the adjacent plot and public in general, etc. He shall make good at his own cost and to the entire satisfaction of the Engineer in Charge any damage to roads, paths, cross drainage works or public or private

property whatsoever caused, due to the execution of the work or by traffic brought thereon, by the Contractor. Further, the Contractor shall take all precautions to attend to the environmental related restrictions imposed by Govt. of Haryana as well as prevent any pollution of streams, ravines, river bed and waterways. All waste or superfluous materials shall be transported by the Contractor, entirely to the satisfaction of the Engineer-in-Charge. Utmost care shall be taken to keep the noise level to the barest minimum so that no disturbance as far as possible is caused to the occupants/users of adjoining buildings. No claim whatsoever on account of site constraints mentioned above or any other site constraints, inadequate availability of skilled, semi-skilled or unskilled workers in the near vicinity, non-availability of construction machinery spare parts and any other constraints not specifically stated here, shall be entertained from the Contractor. Therefore, the Tenderers are advised to visit site and get first-hand information of site constraints.

Accordingly, they should quote their tenders. Nothing extra shall be payable on this account.

- (2) The Contractor shall cooperate with and provide the facilities to the sub-Contractors and other agencies working at site for smooth execution of the work. The contractor shall indemnify the Owner against any claim(s) arising out of such disputes. The Contractor shall:
  - (i) Allow use of scaffolding, toilets, sheds etc.
  - (ii) Properly co-ordinate their work with the work of other Contractors.
  - (iii) Provide control lines and benchmarks to his Sub-Contractors and the other Contractors.
  - (iv) Provide electricity and water at mutually agreed rates.
  - (v) Provide hoist and crane facilities for lifting material at mutually agreed rates.
  - (vi) Co-ordinate with other Contractors for leaving inserts, making chases, alignment of services etc. at site.
  - (vii) Adjust work schedule and site activities in consultation with the Engineer-in-Charge and other Contractors to suit the overall schedule completion.
  - (viii) Resolve the disputes with other Contractors/sub-contractors amicably and the Engineer-in-Charge shall not be made intermediary or arbitrator.
- (3) The work should be planned in a systematic manner so as to ensure proper co-ordination of various disciplines viz. sanitary & water supply, drainage, rain water harvesting, electrical, and firefighting, information technology, communication & electronics and any other services.
- (4) Other agencies will also simultaneously execute and install the works of sub-station / generating sets, air-conditioning, lifts, etc. for the work and the contractor shall afford necessary facilities for the same. The contractor shall leave such recesses, holes, openings trenches etc. as may be required for such related works (for which inserts, sleeves, brackets, conduits, base plates, clamps etc. shall be supplied free of cost by the Institute unless otherwise specifically mentioned) and the contractor shall fix the same at time of casting of concrete,

stone work and brick work, if required, and nothing extra shall be payable on this account.

- (5) The contractor shall conduct his work, so as not to interfere with or hinder the progress or completion of the work being performed by other contractor(s) or by the Engineer-In-Charge and shall as far as possible arrange his work and shall place and dispose of the materials being used or removed so as not to interfere with the operations of other contractor or he shall arrange his work with that of the others in an acceptable and in a proper co-ordination manner and shall perform it in proper sequence to the complete satisfaction of others.

#### 1.11 RATES

1. The rates quoted by the Contractor are deemed to be inclusive of site clearance, setting out work, profile, setting lay out on ground, establishment of reference bench mark(s), installing various signage, taking spot levels, survey with total station, construction of all safety and protection devices, compulsory use of helmet and safety shoes, and other appropriate safety gadgets by workers, imparting continuous training for all the workers, barriers, preparatory works, construction of clean, hygienic and well ventilated workers housings in sufficient numbers as per drawing supplied by Engineer in charge, working during monsoon or odd season, working beyond normal hours, working at all depths, height, lead, lift, levels and location etc. and any other unforeseen but essential incidental works required to complete this work. Nothing extra shall be payable on this account and no extension of time for completion of work shall be granted on these accounts.
2. The rates quoted by the tenderer, shall be firm and inclusive of all taxes (excluding GST) and levies as applicable
3. No foreign exchange shall be made available by the Owner for importing (purchase) of equipment, plants, machinery, materials of any kind or any other items required to be carried out during execution of the work. No delay and no claim of any kind shall be entertained from the Contractor, on account of variation in the foreign exchange rate.
4. All ancillary and incidental facilities required for execution of work like labour camp, stores, fabrication yard, offices for Contractor, watch and ward, temporary ramp required to be made for working at the basement level, temporary structure for plants and machineries, water storage tanks, installation and consumption charges of temporary electricity, telephone, water etc. required for execution of the work, liaison and pursuing for obtaining various No Objection Certificates, completion certificates from local bodies etc., protection works, testing facilities/Laboratory at site of work, facilities for all field tests and for taking samples etc. during execution or any other activity which is necessary (for execution of work and as directed by Engineer-in- Charge), shall be deemed to be included in rates quoted by the Contractor, for various items in the schedule of quantities. Nothing extra shall be payable on these accounts.
5. For completing the work in time, the Contractor might be required to work in two or more shifts (Including night shifts). No claim whatsoever shall be

entertained on this account, notwithstanding the fact that the Contractor may have to pay extra amounts for any reason, to the Labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour and other statutory bodies regulations and the agreement entered upon by the Contractor with them.

6. All material shall only be brought at site as per program finalized with the Engineer-in-Charge. Any pre-delivery of the material not required for immediate consumption shall not be accepted and thus not paid for.
7. Rate shall include of Liaison work required, if any, in this regard with the local bodies. Nothing extra shall be payable on this account. Statutory charges, fees etc. required to be paid to the local bodies in this connection shall only be payable by the Owner or shall be reimbursable to the contractor on production of proof of actual payment made by him.
8. It is clarified that the contractor shall be responsible for obtaining all the no objection certificate (NOCs) and relevant licenses for services like lift installation, electrical installation, fire installation and like. Nothing extra shall be payable on this account.

#### **1.12 Inspection and Rectification of Works**

##### **Access:**

The Institute and their authorized agents and representatives shall at all times have access to the site and other locations where parts of the Work are under preparation.

##### **Contractor tests:**

The Contractor shall notify the Engineer-in-Charge well in advance, of tests and inspections to be carried out, and shall obtain his written approval wherever so stipulated before proceeding with the Works.

##### **Inspections:**

The Contractor shall maintain an adequate inspection system and perform such inspections from time to time as will ensure that the Work called for by this contract conforms to contract requirements and does not result in any deviation. The Contractor shall maintain complete inspection records and make them available to the Institute. All Work shall be conducted under the general direction of the Contractor and is subject to Institute's inspection and test at all places and at all reasonable times before final completion and acceptance with a view to ensure strict compliance with the terms and conditions of the contract.

##### **Owner's inspections and tests:**

Inspections and tests conducted by or on behalf of the Institute are for the sole

benefit of the Institute and do not:-

- (A) Relieve the Contractor of responsibility for providing adequate quality control measures,
- (B) Relieve the Contractor of responsibility for damage to or loss of the material before final completion and acceptance of the Work;
- (C) Constitute or imply acceptance. Or.
- (D) Affect the continuing rights of the Owner after acceptance of completed Work.

**Owner inspectors:**

The presence or absence of Institute's inspector does not relieve the Contractor from any of the obligations under the contract nor is the inspector authorized to change any term or condition of the contract.

**Performance of inspections and tests:**

The Contractor shall promptly furnish, without an additional charge all facilities, labour, and material reasonably needed for performing such safe and convenient inspections and tests as may be required by the Engineer-in-Charge as per the terms of the Contract and CPWD specifications. The Institute may charge to the Contractor any additional cost of inspection or testing when work is not ready at the time specified by the Contractor for inspection or testing, when prior rejection makes re inspection or retesting necessary. The Institute shall perform all its inspections and tests in a manner that will not unnecessarily delay the work. Special, full size, and performance tests shall be performed as described in the Contract Documents and CPWD specifications.

The Contractor shall be solely responsible for the protection of all finished surfaces and Works so as to avoid any repairs and shall deliver to the Institute upon final completion the Works free of any blemish, defect or damage.

1. In addition to the provisions of relevant clauses of the contract, the work shall also be open to inspection by the other agency as and when required by Institute in addition of the Engineer-in-charge and his authorized representative. The contractor shall at times during the usual working hours and at all times at which reasonable notices of the intention of the Engineer-in-charge to visit the works shall have been given to the contractor, either himself be present to receive the orders and instructions or have a responsible representative duly accredited in writing, to be present for that purpose.
2. Inspection of the work by Project Management Consultant / Master Plan Designer – Project Architect appointed by Institute.
  - (i) The Project Management Consultant / Master Plan Designer – Project Architect appointed by Institute shall be inspecting the works frequently to ensure that the works are in general being executed according to the design, drawings and specifications laid down in the contract.
  - (ii) The Project Management Consultant / Master Plan Designer – Project Architect appointed by Institute shall certify on completion of particular building that it has been constructed according to the approved drawings design and specifications.

**1.13 Rejected Work**

The Engineer-in-Charge or Owner shall be authorized to reject any Work, which in their/his opinion is not in conformity to the specifications set out in the Contract Documents. The decision of the Engineer-in-Charge in this regard shall be final and binding on the Contractor.

Defective Work whether caused due to poor workmanship, use of sub-standard materials, or use of materials without approval of Engineer in charge or on account of damage or for any other reason whatsoever, whether caused by the Contractor and/or the Sub-Contractor may be rejected by the Engineer-in-Charge or Owner and shall be demolished by the Contractor and removed promptly from the site and replaced or re-executed expeditiously by the Contractor at his own cost. The Institute, Engineer-in-Charge, Project Management Consultant or Master Plan Designer – Project Architect shall in no event be responsible to bear any costs/liability arising on account of such defective workmanship.

If in the opinion of the Engineer-in-Charge or Owner, it is not expedient nor feasible to correct the defective Work, the Owner shall be entitled to deduct or not pay any monies due to the Contractor or the difference in value between the executed Work and that required under the Contract, such amount of which shall be determined by the Engineer-in-Charge.

**1.14 Limit of Price Adjustment- Not Applicable**

In determining all Price Adjustments in accordance with the conditions of contract:

- (A) No account will be taken of any amount by which any cost incurred by the contractor has been increased by default or negligence of the contractor.
- (B) If the contractor fails to complete the work within time for completion, increase or decrease of cost of specified materials shall be made using either the indices or prices relating to prescribed time for completion, or the current indices or prices, relating to prescribed time for completion, or the current indices or prices, whichever is more favorable to the Institute, provided that if an extension of time is granted, the above position shall apply to the adjustment made after expiry of such extension of time.
- (C) On completion of the works and before final payment the contractor shall give a certificate that he has made full and complete disclosure to the Engineer-in-Charge of every increase or decrease in price obtained by him on materials affected by this clause.

**1.15 Exemption from price Adjustment**

The following items shall not be included in the price adjustment calculation:

- (A) Liquidated damages:
- (B) Retention withheld and released:
- (C) Advance payments in the form of loans and their repayments:
- (D) The value of any additional or varied work valued at current market prices:

## ADDITIONAL CONDITIONS

### 1.0 ADDITIONAL CONDITIONS

#### 1.1 GENERAL

- 1.1.1 The Contractors are advised to inspect and examine the site and its surroundings and satisfy themselves with the nature of site, the means of access to the site, the constraints of space for stacking material / machinery, labour etc. constraints put by local regulations, if any, weather conditions at site, general ground / subsoil conditions etc. or any other circumstances which may affect or influence their tenders. The site is available for work. The contractor shall carry out survey of the work area, at his own cost, setting out the layout and fixing of alignment of the building as per architectural and Structural drawings in consultation with the Engineer-in-Charge and proceed further ensuring full structural continuity and integrated and monolithic construction. Any discrepancy between the architectural drawings and actual layout at site shall be brought to the notice of the Engineer-in-charge.
- 1.1.2 The Contractor shall, if required by him, before submission of the tender, inspect the drawings in the Office of the **Indian Institute of Management, Rohtak at Sunaria Village, Rohtak, Haryana**. The Institute shall not bear any responsibility for the lack of knowledge and also the consequences, thereof to the Contractor. The information and data shown in the drawings and mentioned in the tender documents have been furnished, in good faith, for general information and guidance only. The Engineer-in-Charge, in no case, shall be held responsible for the accuracy thereof and/or interpretations or conclusions drawn there from by the Contractor and all consequences shall be borne by the Contractor. No claim, whatsoever, shall be entertained from the Contractor, if the data or information furnished in tender document is different or in-correct otherwise or actual working drawings are at variance with the drawings available for inspection or attached to the tender documents. It is presumed that the Contractor shall satisfy himself for all possible contingencies, incidental charges, wastages, bottlenecks etc. likely during execution of work and acts of coordination, which may be required between different agencies. Nothing extra shall be payable on this account.
- 1.1.3 The nomenclature of the item given in the schedule of quantities gives in general the work content but is not exhaustive i.e. does not mention all the incidental works required to be carried out for complete execution of the item of work. The work shall be carried out, all in accordance with true intent and meaning of the specifications and the drawings taken together, regardless of whether the same may or may not be particularly shown on the drawings and/or described in the specifications, provided that the same can be reasonably inferred there from may be several incidental works, which are not mentioned in the nomenclature of each item but will be necessary to complete the item in all respect. All these incidental works / costs which are not mentioned in item nomenclature but are necessary to complete the item shall be deemed to have been included in the rates quoted by the contractor for various items in the schedule of quantities. No adjustment of rates shall be made for any variation in quantum of incidental works due to variation / change in actual working drawings. Also, no adjustment of rates shall be made due to any change in incidental

works or any other deviation in such element of work (which is incidental to the items of work and are necessary to complete such items in all respects) on account of the directions of Engineer-in-Charge. Nothing extra shall be payable on this account.

- 1.1.4 The contractor(s) shall give to the local body, police and other authorities all necessary notices etc. that may be required by law and obtain all requisite licenses for temporary obstructions, enclosures etc. and pay all fee, taxes and charges which may be leviable on account of these operations in executing the contract. He shall make good any damage to the adjoining property whether public or private and shall supply and maintain lights either for illumination or for cautioning the public at night.

Proper temporary barricading by fencing with agro-shade net shall be carried out by the Contractor at the start of phased works created as per direction of Engineer-in-charge work to physically define the boundaries of the plot for restricted entry to only those involved in the work and also to prevent any accidents, at the same time without causing any inconvenience to the traffic and the users of the handed over buildings in the adjacent plots. It shall be done by providing, erecting, maintaining temporary protective barricading of minimum 3.90 metres above ground in height, made in panels, with each panel having MS frames / MS scaffolding pipes of suitable size and stiffness, with agro-shade net fixed on frames. Such panels shall be suitably connected to each other for stability with nuts and bolts, hooks, clamps etc. and fixed firmly to the ground at about 2 metres spacing, for the entire duration till completion of the work. He shall also provide and erect temporary protective barricades within the plot, if required, to prevent any accident. Temporary protective roofing near the Entrance to the building, under construction, shall be made to protect the visiting officials from getting hurt by falling debris etc. Also, one or more coat of enamel paint of shade as approved and directed by the Engineer-in-Charge shall be applied on the panels. It shall be dismantled and taken away by the Contractor after the completion of work at his own cost with the approval of the Engineer-in- Charge. Nothing extra shall be payable on this account.

All work shall conform to the statutory Bye-laws and Regulations of the concerned authority/Municipality, Haryana Fire Services as applicable to the Project. If the tender specifications and drawings are more stringent than required as per the Local Authorities then the tender specifications and drawings shall be followed. In the other case, if the local authorities more stringent specifications than those specified in the tender specifications, then the set by-laws and regulations shall be followed at no extra cost.

- 1.1.5 The Contractor(s) shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night. In case of any accident of labours/ contractual staffs the entire responsibility will rest on the part of the contractor and any compensation under such circumstances, if becomes payable, shall be entirely borne by the contractor.

- 1.1.6 The work shall generally be carried out in accordance with the “CPWD Specifications 2009 Vol. I & II” with up to date correction slips, additional/Particular Specifications, architectural/Structural drawings and as per instructions of Engineer-in-Charge. Any additional item of the work, if taken up subsequently, shall also conform to the relevant CPWD specifications as mentioned above. Working (both Architect and structural) drawings will be released progressively to the contractor commensurate to the construction schedule approved by Engineer-in-Charge.
- a) The several documents forming the tender are to be taken as mutually complementary to one another. Detailed drawings shall be followed in preference to small scale drawings and figured dimensions in preference to scale dimensions.
  - b) In the event of any difference or discrepancy between the description of items as given in the schedule of quantities, particular specifications for individual items of work (Including special conditions) and I.S. Codes etc., the following order of preference shall be observed.
    - (i) Description of items as given in Schedule of quantities
    - (ii) Particular specifications
    - (iii) Special conditions
    - (iv) Additional Conditions
    - (v) Tender drawings attached
    - (vi) CPWD Specifications Including up-to-date correction slips.
    - (vii) General Conditions of Contract (GCC).
    - (viii) Indian Standards Specifications of B.I.S.
    - (ix) ASTM, BS, or other foreign origin codes mentioned in tender document.
    - (x) Manufacturer’s specifications and as decided by the Engineer-in-Charge.
    - (xi) Sound Engineering practices or well established local construction practices.
  - c) The works to be governed by this contract shall cover delivery and transportation up to destination, safe custody at site, insurance, erection, testing and commissioning of the entire works.

The works to be undertaken by the contractor shall inter-alia include the following:

- (i) Preparation of detailed Shop drawings and As-built drawings wherever applicable.
- (ii) Obtaining of Statutory permissions where-ever applicable and required.
- (iii) Pre-commissioning tests as per relevant standard specifications, code of practice, Acts and Rules wherever required.
- (iv) Warranty obligation for the equipments and / or fittings/fixtures supplied by the contractor. Contractor shall provide all the shop drawings or layout drawings for all the co-ordinated services before starting any work or placing any order of any of the services etc. These shop drawings/layout drawings shall be got approved from Engineer-in-charge before implementation and this shall be binding on the contractor. The contractor shall submit material submittals along with material sample for approval of Engineer-in-Charge prior to delivery of material at site.

- 1.1.7 The work shall be carried out in accordance with the approved architectural drawings, structural drawings, service drawings to be issued from time to time, by

the Engineer-in- Charge. Before commencement of any item of work the contractor shall correlate all the relevant architectural and structural drawings, nomenclature of items and specifications etc. issued for the work and satisfy himself that the information available from there is complete and unambiguous. The figure and written dimension of the drawings shall be superseding the measurement by scale. The discrepancy, if any, shall be brought to the notice of the Engineer-in- charge before execution of the work. The contractor alone shall be responsible for any loss or damage occurring by the commencement of work on the basis of any erroneous and or incomplete information and no claim whatsoever shall be entertained by the department on this account.

The delay caused on account of non-timely action by the contractor in resolution of the differences whatsoever shall not be considered as valid ground for extension of time unless otherwise accepted by Engineer-in-Charge.

- 1.1.8 Unless otherwise provided in the Schedule of Quantities, the rates tendered by the contractor shall be all inclusive and shall apply to all heights, lifts, leads and depths of the building and nothing extra shall be payable to him on this account. Payment for centering, shuttering, however, if required to be done for floor heights greater than 3.5m shall be admissible at rates arrived in accordance with clause 12 of the agreement if not already specified.
- 1.1.9 The Contractor(s) shall take instructions from the Engineer-in-Charge regarding collection and stacking of materials at any place. No excavated earth or building rubbish shall be stacked on areas where other buildings, roads, services and compound walls are to be constructed. The stacking shall take place as per stacking plan. However, if any change is required, the same shall be done with the approval of Engineer-in-Charge.
- 1.1.10 The Contractor shall bear all incidental charges for cartage, storage and safe custody of materials, if any, issued by Institute as well as to those materials also arranged by the contractor.

Wherever the BOQ item stipulates design, the contractor shall have to supply designs and shop drawings which shall have to be vetted by any other Institute/Agency of repute as approved by Engineer-in-Charge, and all costs towards the same, Including charges for vetting shall be deemed to have been included in the quoted rates.

- 1.1.11 Any cement slurry added over base surface (or) for continuation of concreting for better bond is deemed to have been built in the items and nothing extra shall be payable or extra cement considered in consumption on this account.
- 1.1.12 The contractor shall give performance test of the entire installation(s) as per the specifications in the presence of the Engineer-in-charge or his authorized representative before the work is finally accepted and nothing extra what-so-ever shall be payable to the contractor for such test.

- 1.1.13 Water tanks, taps, sanitary, water supply & drainage pipes, fittings & accessories should conform to bye-laws of local body/corporation, where CPWD specifications are not available. The Contractor should engage approved, licensed plumbers for the work and get the materials (fixtures/fittings) tested, by the municipal Body/ Corporation authorities wherever required at his own cost.
- 1.1.14 The contractor shall make his own arrangements for water and for obtaining electric connections if required and make necessary payments directly to the State Govt. departments concerned. Contractor shall get the water tested from laboratory approved by the Engineer-in-charge at regular interval as per the CPWD Specifications 2009. All expenses towards collection of samples, packing, transportation etc. shall be borne by the contractor.

Work shall normally be done in a single shift/day. However if the work is required to be executed in more than one shift in a day for meeting the time lines, the Contractor with prior approval of the Engineer-in-charge, shall have to make necessary arrangements for the same and all costs towards the same shall be deemed to have been included in the quoted rates.

## **1.2 PREVENTION OF NUISANCE AND POLLUTION CONTROL**

- 1.2.1 The contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants or occupiers of adjacent properties and to the public in general and to prevent any damage to such properties from pollutants like smoke, dust, noise. The contractor shall use such methodology and equipment so as to cause minimum environmental pollution of any kind during construction and minimum hindrance to road users and to occupants of the adjacent properties or other services running adjacent/near vicinity. The contractor shall make good at his cost and to the satisfaction of the Engineer-in- Charge, any damage to roads, paths, cross drainage works or public or private property whatsoever caused due to the execution of the work or by traffic brought thereon by the contractor. All waste or superfluous materials shall be carried away by the contractor, without any reservation, entirely to the satisfaction of the Engineer-in-Charge.
- 1.2.2 Utmost care shall be taken to keep the noise level to the barest minimum so that no disturbance as far as possible is caused to the nearby occupants/users of building(s), if any.

## **1.3 SECURITY AND TRAFFIC ARRANGEMENTS**

- 1.3.1 In the event of any restrictions being imposed by IIMR/ Municipal body / Police/ NHAI or any other authority having jurisdiction in the area on the working or movement of labour /material, the contractor shall strictly follow such restrictions and nothing extra shall be payable to the contractor on such accounts. The loss of time on these accounts, if any, shall have to be made up by augmenting additional resources whatever required.
- 1.3.2 If as per the rules of the local authority, the huts for labour are not to be erected at the site by the contractor, the contractor is required to make his own arrangements to provide huts for labourers as is acceptable to local bodies and nothing extra shall be paid on this account. He shall make his own arrangements for stores, field office etc.

Before tendering, he shall visit the site and assess the manner in which he is able to arrange the above facilities. The Engineer-in-Charge shall in no way be responsible for any delay on this account and no claim, whatsoever, on this account shall be entertained.

- 1.3.3 No payment shall be made for any damage caused by rain, snowfall, flood or any other natural calamity, whatsoever during the execution of the work. The contractor shall be fully responsible for any damage to the Institute's property and the work for which payment has been advanced to him under the contract and he shall make good the same at his risk and cost. The contractor shall be fully responsible for safety and security of his material, T&P/Machinery brought to the site by him.
- 1.3.4 The contractor shall construct suitable godowns, yard at the site of work for storing all other materials so as to be safe against damage by sun, rain, damages, fire, theft etc. at his own cost and also employ necessary watch and ward establishment for the purpose at his cost.
- 1.3.5 All materials obtained from contractor shall be got checked by the representative of Engineer-in-Charge on receipt of the same at site before use.
- 1.3.6 Royalty at the prevalent rates shall have to be paid by the contractor on all the boulders, metals, shingle sand and bajri etc. collected by him for the execution of the work, direct to the Revenue authority or authorized agent of the State Government concerned or Central Government.
- 1.3.7 The contractor shall be responsible for the watch and ward/guard of the buildings, safety of all fittings and fixtures Including all equipments, services provided by him against pilferage and breakage during the period of Installations and thereafter till the building is physically handed over to the Institute. No extra payment shall be made on this account and no claim shall be admissible on this account.
- 1.3.8 The Contractor shall keep himself fully informed of all acts and laws of the Central & State Governments, all orders, decrees of statutory bodies, tribunals having any jurisdiction or authority, which in any manner may affect those engaged or employed and anything related to carrying out the work. All the rules & regulations and bye-laws laid down by Collector / Haryana State Govt. and any other statutory bodies shall be adhered to, by the contractor, during the execution of work. The Contractor shall also adhere to all traffic restrictions notified by the local authorities. All statutory taxes, levies, charges (Including water and sewerage charges, charges for temporary service connections and /or any other charges) payable to such authorities for carrying out the work, shall be borne by the Contractor. The water charges (for municipal water connection as well as tanker water) shall be borne by the contractor. Also, if the contractor obtains water connection for the drinking purposes from the municipal authorities or any other statutory body, the consequent sewerage charges shall be borne by the contractor. The Contractor shall arrange to give all notices as required by any statutory/ regulatory authority and shall pay to such authority all the fees that is required to be paid for the execution of work. He shall protect and indemnify the Institute and its officials & employees against any claim and /or liability arising out of violations of any such laws, ordinances, orders,

decrees, by himself or by his employees or his authorized representatives. Nothing extra shall be payable on these accounts. The fee payable to statutory authorities for obtaining the various permanent service connections and Occupancy Certificate for the building shall be borne by the Institute.

- 1.3.9 For works below ground level the contractor shall keep that area free from water. If dewatering or bailing out of water is required the contractor shall do the same at his own cost and nothing extra shall be paid except otherwise provided in the items of Schedule of Quantities.
- 1.3.10 The Contractor shall make all necessary arrangements for protecting from rains, fog or likewise extreme weather conditions, the work already executed and for carrying out further work, during monsoon Including providing and fixing temporary shelters, protections etc. Nothing extra shall be payable on this account and also no claims for hindrance shall be entertained on this account.
- 1.3.11 In case of flooding of site on account of rain or any other cause and any consequent damage, whatsoever, no claim financially or otherwise shall be entertained notwithstanding any other provisions elsewhere in the contract agreement. Also, the Contractor shall make good, at his own cost, the damages caused, if any. Further, no claims for hindrance shall be entertained on this account.
- 1.3.12 The contractor will take reasonable precautions to prevent his workman and employees from removing and damaging any flora (plant/vegetation) from the project area.

#### **1.4 SETTING OUT**

- (i) The Contractor shall carry out survey of the work area, at his own cost, setting out the layout of building in consultation with the Engineer –in-Charge & proceed further. Any discrepancy between architectural drawings and actual layout at site shall be brought to the notice of the Engineer –in-charge. It shall be responsibility of the Contractor to ensure correct setting out of alignment. Total station survey instruments only shall be used for layout, fixing boundaries, and centre lines, etc., Nothing extra shall be payable on this account.
- (ii) The Contractor shall establish, maintain and assume responsibility for grades, lines, levels and benchmarks. He shall report any errors or inconsistencies regarding grades, lines, levels, dimensions etc. to the Engineer –in-Charge before commencing work. Commencement of work shall be regarded as the Contractor’s acceptance of such grades, lines, levels, and dimensions and no claim shall be entertained at a later date for any errors found.
- (iii) If at any time, any error appears due to grades, lines, levels and benchmarks during the progress of the work, the Contractor shall, at his own expense rectify such error, if so required, to the satisfaction of the Engineer –in-Charge. Nothing extra shall be payable on this account.

- (iv) Though the site levels are indicated in the drawings the Contractor shall ascertain and confirm the site levels with respect to benchmark from the concerned authorities. The Contractor shall protect and maintain temporary/ permanent benchmarks at the site of work throughout the execution of work. These benchmarks shall be got checked by the Engineer-in-Charge or his authorized representatives. The work at different stages shall be checked with reference to bench marks maintained for the said purpose. Nothing extra shall be payable on this account.
  - (v) The approval by the Engineer-in-Charge, of the setting out by the Contractor, shall not relieve the Contractor of any of his responsibilities and obligation to rectify the errors/ defects, if any, which may be found at any stage during the progress of the work or after the completion of the work.
  - (vi) The Contractor shall be entirely and exclusively responsible for the horizontal, vertical and other alignments, the level and correctness of every part of the work and shall rectify effectively any errors or imperfections therein. Such rectifications shall be carried out by the Contractor at his own cost to the entire satisfaction of the Engineer-in-Charge.
  - (vii) The rates quoted by the Contractor are deemed to be inclusive of site clearance, setting out work (Including marking of reference points, center lines of buildings), construction and maintenance of reference bench mark(s), taking spot levels, construction of all safety and protection devices, barriers, barricading, signage, labour safety, labour welfare and labour training measures, preparatory works, working during monsoon, working at all depths, height and location etc. and any other incidental works required to complete this work. Nothing extra shall be payable on this account, unless otherwise mentioned in the schedule of quantities.
- 1.4.1 The rate of items of flooring is inclusive of providing sunken flooring in bathrooms, kitchen etc. and nothing extra on this account is admissible.
- 1.4.2 A site laboratory with the minimum equipments as specified in CPWD specifications/in this agreement shall be established, made functional and maintained within one month from the award of work as per Annexure-I at page no.44 without any extra cost to the Institute. In case of non compliance / delay in compliance in this, a recovery @ Rs. 1000/- per day will be imposed which will be recovered from the immediate next R/A Bill of the Contractor.

The agency should make temporary arrangement for sewage disposal, water supply and electricity for completed building to make them to functional in case permanent arrangements are not ready.

## 1.5 INTEGRATED SERVICE DRAWINGS

- (i) Before taking up the work, the contractor shall be provided with integrated drawings for various civil and electrical services showing details of lay out plan Including sectional elevations and contractor shall plan and mobilize his resources as per the Integrated drawings and as per the site conditions to

facilitate convenient execution, installation as well as maintenance of these services. Nothing extra shall be payable on this account.

(ii) Shop drawings

The bill of quantities, technical specifications and drawings together shall be considered as a tender requirement and the work shall be carried out as per good for construction (GFC) drawings, issued by Engineer-in-charge. The contractor shall study the GFC drawings and taking into account actual site conditions and selected material and requirements shall prepare shop drawings for the following works, as fully coordinated drawings, as given above.

- a. Aluminium work structural glazing and ACP.
- b. Expansion joint work
- c. Stone cladding work
- d. Suspended ceiling work, coordinated with all ceiling related services.
- e. Marble, granite, vitreous, ceramic, tile work
- f. All Electrical work
- g. All Sanitary work
- h. DG sets
- i. Boilers & Pumps

The shop drawings shall be prepared and submitted for approval to achieve the milestones provided.

- (iii) Within the time frame agreed with the Engineer-in-charge, the contractor shall prepare shop drawings using latest version of Auto CAD. Shop drawings shall show all layouts, details in plans & sections showing all connections, junctions, bends, supports, clearances. Fixing arrangements with dimensions, room, etc shall be prepared by the contractor on AutoCAD based on the architectural drawings and site measurements. All measurable items quantities shall be mentioned on each shop drawing being submitted for approval by the contractor. A set of shop drawings (i/c digital soft copy (Autocad & pdf) shall be submitted for approval and a set of final shop drawings after approval by Engineer-in-charge shall be submitted by the contractor along with the soft copy.

Technical submittals of manufacturer's catalogues and technical data shall be submitted for approval. The contractor shall designate an Engineer responsible for issue and preparation of shop drawings and control of GFC drawings.

## 1.6 TOOLS AND PLANTS

The bidder should have own constructions equipment required for the proper and timely execution of the work. Nothing extra shall be paid on this account.

No tools and plants Including any special T&P etc. shall be supplied by the Institute and the Contractor shall have to make his own arrangements at his own cost. No claim of hindrance (or any other claim) shall be entertained on this account.

## **1.7 SCAFFOLDING**

1.7.1 Wherever required for the execution of work, all the scaffolding shall be provided and suitably fixed, by the Contractor. It shall be provided strictly with steel double scaffolding system, suitably braced for stability, with all the accessories, gangways, etc. with adjustable suitable working platforms to access the areas with ease for working and inspection. Single scaffolding system is strictly prohibited and shall invite action. It shall be designed to take all incidental loads. It should cater to the safety features for workmen. Nothing extra shall be payable on this account. It shall be ensured that no damage is caused to any structure due to the scaffolding.

1.7.2 The Contractor shall do proper sequencing of the various activities by suitably staggering the activities within various pockets in the plot so as to achieve early completion. The agency should deploy adequate equipment, machinery and labour as required for the completion of the entire work within the stipulated period specified. Also ancillary facilities shall be provided by contractor commensurate with requirement to complete the entire work within the stipulated period. Nothing extra shall be payable on this account. Adequate number/sets of equipment in working condition, along with adequate stand-by arrangements, shall be deployed during entire construction period. It shall be ensured by the Contractor that all the equipment, Tools & Plants, machineries etc. provided by him are maintained in proper working conditions at all times during the progress of the work and till the completion of the work. Further, all the constructional tools, plants, equipment and machineries provided by the Contractor, on site of work or his workshop for this work, shall be exclusively intended for use in the construction of this work and they shall not be shifted/ removed from site without the permission of the Engineer-in- Charge.

Slab cycle requirements: The contractor shall plan and design concreting activities at various stages of work commensurate to the slab cycle requirement through submitted shuttering plan/design, which shall be the sole responsibility of the contractor and this shall not absolve him of his responsibility despite approvals accorded by Engineer-in-Charge. The quoted rate shall be deemed to include the cost of the above.

1.7.3 The Contractor shall maintain all the work in good condition till the completion of entire work. The Contractor shall be responsible for and shall make good, all damages and repairs, rendered necessary due to fire, rain, traffic, floods or any other causes. The Engineer-in-Charge shall not be responsible for any claims for injuries to person/workmen or for structural damage to property happening from any neglect, default, want of proper care or misconduct on the part of the Contractor or of any other of his representatives, in his employment during the execution of the work. The compensation, if any, shall be paid directly to the Department / authority / persons concerned, by the Contractor at his own cost.

1.7.4 The recoveries, if any, towards late procurement of centring and shuttering, T&P equipment, automatic batching plant, delay in submission of construction programmes, progress reports are refundable, if the targeted portions are completed within the stipulated period of completion of contracted work and extension of time is granted without levy of compensation. Else this is non-refundable and is over and above the compensation levied (if any) under Clause 2 of General Conditions of Contract.

## 1.8 ROYALTY

Royalty at the prevalent rates shall be paid by the Contractor or his material suppliers as per the terms of supply between them, on all materials such as boulders, metals, all sizes stone aggregates, brick aggregates, coarse and fine sand, moorum, river sand, gravels and bajri etc. collected by him for the execution of the work, directly to the revenue authority of the state government concerned. Further, contractor needs to submit proof of submission of full royalty to the state government or local authority. Nothing extra shall be payable on this account.

## 1.9 PRESERVATION AND CONSERVATION MEASURES

- (i) Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar services, if any, encountered in the course of the execution of work shall be protected against the damage by the contractor at his own expense. In case the same are to be removed and diverted, expenditure incurred in doing so shall be payable to the contractor. The contractor shall work out the cost, get the same approved by Engineer-in-Charge before taking up actual execution. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services.
- (ii) All fossils, coins, articles of value of antiquity, structures and other remains or things of geological or archaeological interest discovered on project location during excavation/construction shall be the property of the Institue, and shall be dealt with as per provisions of the relevant legislation. The contractor will take reasonable precaution to prevent his work men or any other persons from removing and damaging any such article or thing. He will, immediately upon discovery thereof and before removal acquaint the Engineer-in-charge of such discovery and carry out the official instructions of Engineer-in- charge for

dealing with the same, till then all work shall be carried out in a way so as not to disturb/damage such article or thing.

#### 1.10 RESPONSIBILITY

- (i) He shall protect and indemnify the Institute, Project Management Consultant (PMC) and Master Plan Designer (MPD) and its officials & employees, against any claim and /or liability arising out of violations of any such laws, ordinances, orders, decrees, by himself or by his employees or his authorized representatives. Nothing extra shall be payable on these accounts.
- (ii) The fee payable to statutory authorities for obtaining the various permanent service connections and Building Use Certificate for the building shall be borne by the Institute.
- (iii) The Contractor shall assume all liability, financial or otherwise in connection with this contract and shall protect and indemnify the Institute, PMC and Master Plan Designer (MPD) from any and all damages and claims that may arise on any account. The Contractor shall indemnify the Institute, PMC and Master Plan Designer (MPD) against all claims in respect of patent rights, royalties, design, trademarks- of name or other protected rights, damages to adjacent buildings, roads or members of public, in course of execution of work or any other reasons whatsoever, and shall himself defend all actions arising from such claims and shall indemnify the Institute, PMC and Master Plan Designer (MPD) in all respect from such actions, costs and expenses. Nothing extra shall be payable on this account.

#### 1.11 CO-OPERATION WITH OTHER CONTRACTORS/SPECIALIZED AGENCIES/SUBCONTRACTORS, PROJECT MANAGEMENT CONSULTANT AND MASTER PLAN DESIGNER (MPD)

- (i) The Contractor shall take all precautions to abide by the environmental related restrictions imposed by any statutory body having jurisdiction in on work site as well as prevent any pollution of streams, ravines, river bed and waterways. All waste or superfluous materials shall be transported by the Contractor, entirely to the satisfaction of the Engineer- in-Charge and disposed at designated places only. Utmost care shall be taken to keep the noise level to the barest minimum so that no disturbance as far as possible is caused to the occupants / users of adjoining buildings. No claims what so ever on account of site constraints mentioned above or any other site constraints, lack of public transport, inadequate availability of skilled, semi-skilled or unskilled workers in the near vicinity, non-availability of construction machinery spare parts and any other constraints not specifically stated here, shall be entertained from the Contractor.

Therefore, the tenderers are advised to visit site and get first-hand information of site constraints. Accordingly, they should quote their tenders. Nothing extra shall be payable on this account.

- (ii) The Contractor shall cooperate with and provide the facilities to the sub-Contractors and other agencies working at site for smooth execution of the work. The contractor shall indemnify the Institute, PMC and Master Plan Designer (MPD) against any claim(s) arising out of any disputes. The Contractor shall:
  - (i) Allow use of scaffolding, toilets, sheds etc.

- (ii) Properly co-ordinate their work with the work of other Contractors.
  - (iii) Provide control lines and benchmarks to his Sub-Contractors and the other Contractors.
  - (iv) Provide electricity and water at mutually agreed rates.
  - (v) Provide hoist and crane facilities for lifting material at mutually agreed rates.
  - (vi) Co-ordinate with other Contractors for leaving inserts, making chases, alignment of services etc. at site.
  - (vii) Adjust work schedule and site activities in consultation with the Engineer-in-Charge and other Contractors to suit the overall scheduled completion.
  - (viii) Resolve the disputes with other Contractors/ sub-contractors amicably and the Engineer-in-Charge shall not be made intermediary or arbitrator.
- (iii) The work should be planned in a systematic manner so as to ensure proper coordination of various disciplines viz. sanitary & water supply, drainage, rain water harvesting, electrical, fire fighting, information technology, communication & electronics and any other services.
- (iv) Other Associated agencies will also simultaneously execute and install the works of sub-station / generating sets, air-conditioning, lifts, etc. for the work if required and the contractor shall afford necessary facilities for the same. The contractor shall leave such recesses, holes, openings trenches etc. as may be required for such related works (for which inserts, sleeves, brackets, conduits, base plates, clamps etc. unless otherwise specifically mentioned) and the contractor shall fix the same at time of casting of concrete, stone work and brick work, if required.
- (v) The contractor shall conduct his work, so as not to interfere with or hinder the progress or completion of the work being performed by other contractor(s) or by the Engineer-In-Charge and shall as far as possible arrange his work and shall place and dispose off the materials being used or removed so as not to interfere with the operations of other contractor or he shall arrange his work with that of the others in an acceptable and in a proper co-ordinated manner and shall perform it in proper sequence to the complete satisfaction of others.

## 1.12 SUPERVISION OF WORK

- 1.12.1 The Contractor shall depute Site Engineer & skilled workers as required for the work. He shall submit organization chart along with details of Engineers and supervisory staff. It shall be ensured that all decision-making powers shall be available to the representatives of the Contractor at Project Site itself to avoid any likely delays on this account. The Contractor shall also furnish list of persons for specialized works to be executed for various items of work. The Contractor shall identify and deploy key persons having qualifications and experience in the similar and other major works, as per the field of their expertise. If during the course of execution of work, the Engineer-in-Charge is of the opinion that the deployed staff is not sufficient or not well experienced; the Contractor shall deploy more staff or better experienced staff at site to complete the work with quality and in stipulated time limit.

1.12.2 Principle Technical representative of the Contractor having minimum fifteen years of experience in similar nature of work as mentioned in the clause 36 of the General Conditions of the Contract, shall always be available at the site during the actual execution of the work. The recovery of Rs. 60,000/- (Rupees Sixty Thousand Only) per month shall be affected from the Contractor in the event of not fulfilling this provision.

### 1.12.3 Specialized Agencies

(i) The composite tender comprises of two main components: viz. civil work and E & M works. The list of specialized items for civil & E&M works which are to be got executed through specialized agencies are as below:

#### **CIVIL WORKS:**

- a. Anti-termite treatment.
- b. Water proofing works.
- c. Steel works.
- d. Aluminium doors, windows and aluminium partition.

#### **ELECTRICAL WORKS:**

- a. Fire fighting.
- b. Fire alarm system.

The main contractor shall submit the credential of specialized agency well in advance as per the direction of Engineer-in-charge. After verification of the same, written approval will be conveyed to main contractor in this regard. The quantum of credentials will be broadly in line with CPWD guidelines. The main contractor shall not change the specialized agency. However, if the change is warranted, he may do so, with permission of Institute. However before making any such change he has to enter into similar agreement as with previous agency & submit the same to Institute for approval. This shall however be without any change in the accepted rates of the contract agreement and without any cost implications to the Institute.

(ii) It shall be the responsibility of Contractor to sort out any dispute / litigation with the Specialized Agencies without any time & cost overrun to the Institute. The main contractor shall be solely responsible for settling any dispute / litigation arising out of his agreement with the Specialized Agencies. The contractor shall ensure that the work shall not suffer on account of litigation/ dispute between him and the specialized agencies / subcontractor(s). No claim of hindrance in the work shall be entertained from the Contractor on this account. No extension of time shall be granted and no claim what so ever, of any kind, shall be entertained from the Contractor on account of delay attributable to the selection/rejection of the Specialized Agencies or any dispute amongst them.

### 1.13 RATES

I. The rates quoted by the Contractor are deemed to be inclusive of site clearance, setting out work, profile, setting lay out on ground, establishment of reference bench mark(s), installing various signage, taking spot levels, with total station, construction of all safety and protection devices, compulsory use of helmet and safety shoes, and other appropriate safety gadgets by workers, imparting

continuous training for all the workers, barriers, preparatory works, construction of clean, hygienic and well ventilated workers housings in sufficient numbers as per drawing supplied by Engineer in charge, working during monsoon or odd season, working beyond normal hours, working at all depths, height, lead, lift, levels and location, unless otherwise provided in the schedule of quantities, and any other unforeseen but essential incidental works required to complete this work. Nothing extra shall be payable on this account and no extension of time for completion of work shall be granted on these accounts.

- II. The rates quoted by the tenderer, shall be firm and inclusive of all taxes and levies **(Excluding GST)**
- III. No foreign exchange shall be made available by the Institute for importing (purchase) of equipment, plants, machinery, materials of any kind or any other items required to be carried out during execution of the work. No delay and no claim of any kind shall be entertained from the Contractor, on account of variation in the foreign exchange rate.
- IV. Ancillary and incidental facilities required for execution of work like labour camp, stores, fabrication yard, offices for Contractor, watch and ward, temporary ramp required to be made for working at the basement level, temporary structure for plants and machineries, water storage tanks, installation and consumption charges of temporary electricity, telephone, water etc. required for execution of the work, liaison and pursuing for obtaining various No Objection Certificates, completion certificates from local bodies etc., protection works, testing facilities / laboratory at site of work, facilities for all field tests and for taking samples etc. during execution or any other activity which is necessary (for execution of work and as directed by Engineer-in- Charge), shall be deemed to be included in rates quoted by the Contractor, for various items in the schedule of quantities. Nothing extra shall be payable on these accounts. Before start of the work, the Contractor shall submit to the Engineer-in-Charge, a site / construction yard layout, specifying areas for construction, site office, positioning of machinery, material yard, cement and other storage, steel fabrication yard, site laboratory, water tank, etc.
- V. For completing the work in time, the Contractor might be required to work in two or more shifts (Including night shifts). No claim whatsoever shall be entertained on this account, not with-standing the fact that the Contractor may have to pay extra amounts for any reason, to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour and other statutory bodies regulations and the agreement entered upon by the Contractor with them.
- VI. All material shall only be brought at site as per program finalized with the Engineer-in-Charge. Any pre-delivery of the material not required for immediate consumption shall not be accepted and thus not paid for.

#### 1.14 SAFETY PRACTICES

- (i) WARNING/ CAUTION BOARDS: All temporary warning / caution boards /

glow signage display such as “Construction Work in Progress”, “Keep Away”, “No Parking”, Diversions & protective Barricades etc. shall be provided and displayed during day time by the Contractor, wherever required and as directed by the Engineer-in-Charge. These glow signage and red lights shall be suitably illuminated during night also. The Contractor shall be solely responsible for damage and accident caused, if any, due to negligence on his part. Also he shall ensure that no hindrance, as far as possible, is caused to general traffic during execution of the work. This signage shall be dismantled & taken away by the Contractor after the completion of work, only after approval of the Engineer – in – Charge. Nothing extra shall be payable on this account.

- (ii) Necessary protective and safety equipments such as helmet, safety shoes, gloves etc. shall be provided to the Site Engineer, Supervisory staff, labour and technical staff of the contractor by the Contractor at his own cost and to be used at site.
- (iii) No inflammable materials Including P.O.L shall be allowed to be stored in huge quantity at site. Only limited quantity of P.O.L may be allowed to be stored at site subject to the compliance of all rules / instructions issued by the relevant authorities and as per the direction of Engineer –in- Charge in this regard. Also all precautions and safety measures shall be taken by the Contractor for safe handling of the P.O.L products stored at site. All consequences on account of unsafe handling of P.O.L shall be borne by the Contractor.

#### 1.15 QUALITY ASSURANCE

- (i) The proposed work is a prestigious campus development project and quality of work is of paramount importance. Contractor shall have to engage well-experienced skilled labour and deploy modern T&P and other equipment to execute the work. Many items like specialized flooring work, silicon sealant and backer rod fixing in expansion joints, factory made door- window shutters, proper slope maintaining in toilet units, sanitary- water supply installation, water proofing treatment, etc. will specially require engagement of skilled workers having experience particularly in execution of such items.
- (ii) The contractor shall ensure quality construction in a planned and time bound manner. Any sub-standard material / work beyond set out tolerance limit shall be summarily rejected by the Engineer-in-charge & contractor shall be bound to replace / remove such sub-standard / defective work immediately. If any material, even though approved by Engineer-In-Charge is found defective or not conforming to specifications shall be replaced / removed by the contractor at his own risk & cost.
- (iii) In addition to the supervision of work by Project Management Consultant and Master Plan Designer (MPD), the Institute or any Consultants deployed by the Institute shall also be carrying out regular and periodic inspection of the ongoing activities in the work and deficiencies, shortcomings, inferior workmanship pointed out by them shall be communicated by Engineer-in-charge to the contractor. Upon receipt of instructions from Engineer in Charge these are also to be made good by necessary improvement, rectification, replacement upto his complete satisfaction. Special attention shall be paid towards line and level of internal and external plastering, exposed **smooth**

**surface of RCC members by providing fresh shuttering plates, rubberized linings to all the shuttering joints**, accurate joinery work in wooden doors and windows, thinnest joints in stone/ tiling / cladding work, non-hollowness in floor and dado tiles work, protection of scratches over flooring by impounding layer of plaster of Paris, water tight pipe linings, absence of hollow vertical joints in brick masonry, proper compaction of filled up earth, etc. to achieve an Institution of International standards and up keeping of quality assurance shall be of paramount importance, as such.

- (iv) The Contractor shall submit, within 15 days after the date of award of work, a detailed and complete method statement for the execution, testing and Quality Assurance, of such items of works, as directed by the Engineer-in- Charge. All the materials to be used in the work, to make the finished work complete in all respects, shall comply with the requirements of the specifications and shall pass all the tests required as per specifications as applicable or such specifications / standards as directed by the Engineer-in-Charge. However, keeping the Quality Assurance in mind, the Contractor shall submit, on request from the Engineer-in-Charge, his own Quality Assurance procedures for basic materials and such items, to be followed during the execution of the work, for approval of the Engineer-in-Charge.
- (v) All materials and fittings brought by the contractor to the site for use shall conform to the samples approved by the Engineer-in-charge which shall be preserved till the completion of the work. If a particular brand of material is specified in the item of work in Schedule of Quantity, the same shall be used after getting the same approved from Engineer-In-Charge. Wherever brand / quality of material is not specified in the item of work, the contractor shall submit the samples as per suggested list of brand names given in the tender document / particular specifications for approval of Engineer-In-Charge. For all other items, materials and fittings of ISI Marked shall be used with the approval of Engineer-In-Charge. Wherever ISI Marked material / fittings are not available, the contractor shall submit samples of materials / fittings manufactured by firms of repute conforming to relevant specifications or IS codes and use the same only after getting the approval of Engineer-In- Charge.
- (vi) The Contractor shall procure and provide all the materials from the manufacturers /suppliers as per the list attached with the tender documents, as per the item description and particular specifications for the work. The equivalent brand for any item shall be permitted to be used in the work, only when the specified make is not available. This is, however, subject to documentary evidence produced by the contractor for non-availability of the brand specified and also subject to independent verification by the Engineer-in-Charge. In exceptional cases, where such approval is required, the decision of Engineer-in-Charge as regards equivalent make of the material shall be final and binding on the Contractor. No claim, whatsoever, of any kind shall be entertained from the Contractor on this account. Nothing extra shall be payable on this account. Also, the material shall be procured only after written approval of the Engineer-in-Charge.
- (vii) All materials whether obtained from Govt. stores or otherwise shall be got

checked by the Engineer-in-Charge or his authorized supervisory staff on receipt of the same at site before use.

- (viii) The contractor has to establish field laboratory at site Including all necessary equipment for field tests as given in Schedule 'F'. All the relevant and applicable standards and specifications shall be made available by the contractor at his cost in the field laboratory. The contractor shall designate one of his technical representatives as Quality Assurance Engineer, who shall be responsible for carrying out all mandatory field/laboratory tests. The contractor shall also provide adequate supporting staff at his cost for carrying out field tests, packaging and forwarding of samples for outside laboratory tests and for maintaining test records.
- (ix) The tests, as necessary and where no field laboratory facilities are available, shall be conducted in the external laboratory approved by the Institute/PMC. For materials for which field-testing equipment is established at site, 90% of total tests shall be done at the laboratory established at site by contractor and remaining 10% in the reputed laboratories approved by Institute/PMC. The samples shall be taken for carrying out all or any of the tests stipulated in the particular specifications and as directed by the Institute or his authorized representative.
- (x) All the registers of tests carried out at Construction Site or in outside laboratories and all Material at Site (MAS) registers Including cement register shall be maintained by the contractor which shall be issued to the contractor by Engineer-in-charge. All the entries in the registers will be made by the designated Engineering Staff of the contractor and same should be regularly reviewed by Project Management Consultan. Contractor shall be responsible for safe custody of all the registers.
- (xi) The Contractor shall at his own risk and cost make all arrangements and shall provide all such facilities Including material and labour, the PMC may require for collecting, preparing, forwarding the required number of samples for testing as per the frequency of test stipulated in the contract specifications or as considered necessary by the PMC, at such time and to such places, as directed by the PMC. Nothing extra shall be payable for the above.
- (xii) The Contractor or his authorized representative shall associate in collection, preparation, forwarding and testing of such samples. In case he or his authorized representative is not present or does not associate him, the result of such tests and consequences thereon shall be binding on the Contractor .The Contractor or his authorized representative shall remain in contact with the Engineer-in-Charge or his authorized representative associated for all such operations. No claim of payment or claim of any other kind, whatsoever, shall be entertained from the Contractor.
- (xiii) All the testing charges shall be borne by the contractor.
- (xiv) All the hidden items such as water supply lines, drainage pipes, conduits, sewers etc. are to be properly tested as per the design conditions before covering and their measurements in computerized measurement book duly

test checked shall be deposited with Engineer in-charge or his authorized representative, prior to hiding these items.

- (xv) Water tanks, taps, sanitary, water supply and drainage pipes, fittings and accessories should confirm to bylaws and municipal body / corporation where CPWD Specifications are not available. The contractor should engage licensed plumbers for the work and get the materials (fixtures/fittings) tested by the Municipal Body/Corporation authorities wherever required at his own cost.
- (xvi) The contractor shall give performance test of the entire installation(s) as per the standing specifications before the work is finally accepted and nothing extra whatsoever shall be payable to the contractor for the test.
- (xvii) The contractor shall have to execute guarantee bonds in respect of water proofing works as per Performa enclosed.
- (xviii) The Contractor shall arrange electricity at his own cost for testing of the various electrical installations as directed by Engineer-in-Charge and for the consumption by the contractor for executing the work. Also all the water required for testing various electrical installations, fire pumps, wet riser / fire fighting equipments, fire sprinklers etc. and also testing water supply, sanitary and drainage lines, water proofing of underground sump, overhead tanks, water proofing treatment etc. shall be arranged by the contractor at his own cost. Nothing extra shall be payable on this account.

#### 1.16 SUBMISSION AND DOCUMENTATION

- (i) The Contractor shall display all permissions, licenses, registration certificates, bar charts, other statements etc under various labour laws and other regulations applicable to the works, at his site office. He should also keep at site at least one set of BIS Codes and other relevant codes at site and produce the same if asked for by Engineer-In-Charge. In case of non compliance, these codes will be purchased from the Market and actual cost of purchase will be recovered from the next R/A Bill of the Contractor.
- (ii) The Contractor shall make available a digital copy (Autocad & pdf) and set of completed Building Drawings, "As Built Drawings" along with literatures, manuals, warranty certificates etc. of various installed fittings, fixtures and equipment for the completed projects. This shall be the prerequisite for payment of final bill.
- (iii) The Contractor shall make available a digital copy (Autocad & pdf) and four (04) cloth mounted sets of all drawings of internal and external services i.e. Water Supply, Sanitary line and Drainage lines. This shall be the prerequisite for payment of final bill. These drawings shall have the following information:
  - (a) Run off for all piping and their diameters Including soil, waste pipes and vertical stacks.
  - (b) Ground and invert level of all drainage pipes together with locations of all manholes and connections, up to outfall.

- (c) Run off for all water supply lines with diameters location of control valves, access panels etc.
- (iv) The contractor shall make available a digital copy (Autocad & pdf) and four (04) sets of computerized Standard Measurement Books (SMBs) having measurement of all the permanent standing in a building.
- (v) The Performance Guarantee shall not be released to the contractor until the aforesaid drawings are submitted to the Engineer-in-Charge
- (vi) The contractor will submit computerized measurement sheet for the work carried out by him for making payment as per Clause – 6A of the General Conditions of Contract. For casting of RCC members and other hidden items the corrected and duly test checked measurement sheets of reinforcement or that of other hidden items shall be deposited with Engineer in charge or his authorized representative, before casting of RCC or other hidden items. The delay in submission of corrected and duly checked measurement sheet may, therefore, delay casting of RCC or execution of hidden item for which no hindrance shall be recorded.
- (vii) To avoid delay, contractor should submit all samples well in advance so as to give timely orders for procurement.

**Submission of Progress Reports:**

- (i) Apart from the above integrated program chart, the contractor shall be required to submit monthly progress report of the work in a computerized form on 1st of every month. The progress report shall contain the following, apart from whatever else may be required as specified above:
  - (a) Construction schedule of the various components of the work through a bar chart for the next two fortnights (or as may be specified), showing the micro milestone/ milestones, targeted tasks (Including material and labour requirement) and up-to-date progress. Atleast 10 digital photographs showing all the parts of construction site has to be submitted in every monthly progress report.
  - (b) Man-power statement indicating:
    - Individually the names of all the staff deployed on the work, along with their designations.
    - No. of skilled workers (trade wise) and total no. of unskilled workers deployed on the work and their location of deployment i.e. blocks.
  - (c) Financial statement, indicating the broad details of all the running account payment received up to date, such as gross value of work done, advances taken, recoveries effected, amount withheld, net payments, details of advance payment received, extra/substituted/deviation items if any, etc.
  - (d) In case of non compliance / delay in compliance in submission of monthly, a penalty @ Rs. 5000/- per monthly report will be imposed which will be recovered from the immediate next R/A Bill of

the Contractor.

### 1.17 PROJECT REVIEW MEETINGS:

The contractor, immediately on award of work shall submit details of his key personnel to be engaged for the work at site. In addition, he shall furnish the Engineer- in-charge detailed organogram involved with the work.

The contractor shall present the programme and status at various review meetings as required.

- i) Weekly Review Meetings: Shall be attended by Local Team headed by Project-in-charge

Agenda	<p>(a) Weekly programme v/s actual achieved in the past week and programme for next week.</p> <p>(b) Remedial actions and hold up analysis.</p> <p>(c) Any decision on queries raised by contractor</p>
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- ii) Monthly Review Meetings : Shall be attended by Project – in – charge and the Management Representative with authority to take independent decisions.

Agenda	<p>(i) Progress Status/Statistics.</p> <p>(ii) Completion Outlook.</p> <p>(iii) Major hold ups/slippages.</p> <p>(iv) Assistance required.</p> <p>(v) Critical issues.</p> <p>(vi) Any decision on queries raised either by Contractor</p> <p>(vii) Anticipated cash flow requirement for next two</p>
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### 1.18 TEMPORARY WATER/ ELECTRICITY/ TELEPHONE CONNECTION

- (i) Arrangement of temporary telephone connection, water and electricity required by Contractor, shall be made by him at his own cost and also necessary permissions shall be obtained by him directly from concerned authorities, under intimation to the Department. Also, all initial cost and running charges, and security deposit, if any, in this regard shall be borne by him. The Contractor shall abide by all the rules/ bye laws applicable in this regard and he shall be solely responsible for any penalty on account of violation of any of the rules/byelaws in this regard. Nothing extra shall be payable on this account.
- (ii) The Contractor shall be responsible for maintenance and watch and ward of the complete installation and water / electricity meter and shall also be responsible for any pilferage, theft, damage, penalty etc. in this regard. The Contractor shall indemnify the Institute and its representatives against any claim arising out of pilferage, theft, damage, penalty etc. whatsoever on this account. Nothing extra shall be payable on this account.
- (iii) The Institute shall in no way be responsible for either any delay in getting electric

and/or water and/or telephone connections for carrying out the work or not getting connections at all. No claim of delay or any other kind, whatsoever, on this account shall be entertained from the Contractor. Also contingency arrangement of stand-by water & electric supply shall be made by the Contractor for commencement and smooth progress of the work so that work does not suffer on account of power failure or disconnection or not getting connection at all. No claim of any kind whatsoever shall be entertained on this account from the Contractor. Nothing extra shall be payable on this account.

#### **1.19 CLEANLINESS OF SITE**

- (i) The Contractor shall not stack building material/malba/muck on the land or road of the local development authority or on the land owned by the others, as the case may be. The muck, malba, rubbish etc. shall be removed periodically as directed by the Engineer-in-Charge, from the site of work to the approved dumping grounds as per the local byelaws and regulations of the concerned authorities and all necessary permissions in this regard from the local bodies shall be obtained by the Contractor. Nothing extra shall be payable on this account. In the event the Contractor is found stacking the building material/malba as stated above, the Contractor shall be liable to pay the stacking charges/penalty as may be levied by the local body or any other authority and also to face penal action as per the rules, regulations and bye-laws of such body or authority. The Engineer –in-Charge shall be at liberty to recover such sums due but not paid to the concerned authorities on the above counts, from any sums due to the Contractor Including amount of the Security Deposit and performance guarantee in respect of this contract agreement.
- (ii) The contractor shall take instructions from the Engineer-In-Charge regarding collection and stacking of materials at any place. No excavated earth or building rubbish shall be stacked on areas where other buildings, roads, services and compound walls are to be constructed.
- (iii) The site of work shall be always kept clean due to constraints of space and to avoid any nuisance to the users of buildings in the adjacent plots. The Contractor shall take all care to prevent any water- logging at site. The waste water, slush etc. shall not be allowed to be collected at site. It may be directly pumped into the natural drainage channels with prior approval of the concerned authorities. For discharge into public drainage system, necessary permission shall be obtained from relevant authorities after paying the necessary charges, if any, directly to the authorities. The work shall be carried out in such a way that the area is kept clean and tidy. All the fees/charges in this regard shall be borne by the Contractor. Nothing extra shall be payable on this account.

#### **1.20 INSPECTION OF WORK**

- (i) In addition to the provisions of relevant clauses of the contract, the work shall also be open to inspection by officers of Institute, Project Management Consultant, Master Plan Designer (MPD), Chief Technical Examiner and any other consultants/advisors/committees appointed by the Institute. The contractor shall at times during the usual working hours and at all times at which reasonable notices of the intention of the Engineer-in-charge or other officers as stated above to visit the works shall have been given to the contractor, ensure the presence of Principal Technical Representative to be present to receive the orders and instructions.
- (ii) Inspection of the work by Institute.

- (a) The Engineer-in-charge or his representative shall be inspecting the works Including workshops and fabrication factory to ensure that the works in general being executed according to the design, drawings and specifications laid down in the contract.
- (b) The Engineer-in-charge shall certify on completion of particular building that it has been constructed according to the approved drawings, designs and specifications.
- (iii) Officers of the Central Ministries, Departments, or Institute shall be inspecting the on-going work at site at any time with or without prior intimation. The contractor shall, therefore, keep updated the following requirements and detailing.
  - (i) Display Board showing detail of work, weekly progress achieved with respect to targets, reason of shortfall, status of manpower, wages being paid for different categories of workers.
  - (ii) Entrance and area surrounding to be kept cleaned.
  - (iii) Display layout plan key plan, Building drawings Including plans, elevations and sections.
  - (iv) Upto date displays of Bar chart, CPM and PERT etc.
  - (v) Keep details of quantities executed, balance quantities, deviations, possible Extra item, substituted Item etc.
  - (vi) Keep plastic / cloth mounted, one sets of building drawings.
  - (vii) Set of Helmets and safety shoes for exclusive use for officers/dignitaries visiting at site.

#### **1.21 FINAL TESTING OF THE INSTALLATION**

The Contractor shall demonstrate trouble free functioning of all the Civil and E & M installations and services. The Engineer-in-Charge or his authorized representatives shall carry out final inspection of the various Civil and E & M services and installations. Any defect(s) noticed during demonstration shall be rectified by the Contractor at his own cost to the entire satisfaction of the Engineer-in-Charge. Nothing extra shall be payable on this account.

#### **1.22 SUBMISSION OF AS BUILT DRAWINGS AND OBTAINING OCCUPATION CERTIFICATE**

The contractor shall coordinate and facilitate Project Management Consultant and Master Plan Designer (MPD) for obtaining occupation certificate /completion certificate from local bodies Including getting the required site visits conducted by such authorities with a view to obtain the same.

#### **1.23 REFUND OF PERFORMANCE GUARANTEE**

The performance guarantee for the work shall be refunded to the contractor soon after the completion of the entire construction works under this agreement and recording of the completion certificate for such agreement and submission of completion plans/As-built drawings.

#### **1.24 DEFECT LIABILITY PERIOD (REFUND OF SECURITY DEPOSIT)**

The defect liability / maintenance period shall be 12 months after the date of completion of work except in case of components of works for which a separate defect liability / maintenance period has been specified elsewhere in the tender document. The Security Deposit shall be released after the expiry of defect liability

period and for this the contractor shall have to produce a certificate from the Project Management Consultant and Engineer-in-Charge, but subject to other provisions specified elsewhere in the contract agreement.

#### 1.25 GENERAL CLARIFICATIONS

- (i) Wherever any reference to any Indian Standards occurs in the documents relating to this contract, the same shall be inclusive of all amendments issued thereto or revisions thereof, if any.
- (ii) Unless otherwise specified in the schedule of quantities, the rates for all items of work shall be considered, as inclusive of pumping out or bailing out water, if required throughout the construction period for which no extra payment shall be made. This shall also include water encountered from any source such as rains, floods, sub soil water table being high and/or due to any other cause whatsoever.
- (iii) All stone aggregate and stone ballast shall be of hard stone variety to be obtained from approved quarries.
- (iv) Coarse sand should be obtained from approved sources. The same shall be clean and sharp angular grit type. The coarse sand shall be screened before using, if required. If the sand brought to site is dirty, it must be washed in clean water to bring the sand to the required specifications. Nothing extra shall be payable on this account.
- (v) The rates for all items of work, shall unless clearly specified otherwise, include cost of all operations and all inputs of labour, material, T & P, scaffolding, wastages, watch and ward, other inputs, all incidental charges, all taxes, cess, duties, levies etc. required for execution of the work.

#### 1.26 PRODUCT DELIVERY, STORAGE AND HANDLING OF CHEMICALS

- (i) The contractor shall construct storage space for Chemicals materials to ensure that the storage conditions are as recommended by the manufactures.
- (ii) All the materials shall be procured and delivered in sealed containers with labels legible and intact.
- (iii) All the chemicals {polymers, epoxy, water proofing compound, plasticizer, Polysulphide, SBR based elastomeric, APP (Atactic Polypropylene Polymer), all exterior and interior paints, polish etc.) shall be procured in convenient packs say 20 litres/Kgs.) capacity packing only or as approved by the Engineer-in-Charge, and not in bigger capacity containers, say 200 litre (Kgs.) drums unless otherwise specifically permitted by the Engineer-in-Charge. One sample from each lot of the chemical procured by the contractor shall be tested in a laboratory as approved by the Engineer-in-charge
- (iv) All material required for the execution of the work shall be got approved, procured and deposited with the Engineer-in-charge. The materials shall be kept in joint custody of the contractor and the Engineer-in-charge. The watch and ward of such material shall, however, remain the responsibility of the contractor and no claim, whatsoever, on this account shall be entertained. Different containers of each chemical shall be serially numbered on packing and also consumed in that order. Day-to-Day account of receipt, issue and balance shall be regulated by the Engineer-in-charge and proper account shall be maintained at site of work in the prescribed form as per the standard practice.

- (v) All the chemicals shall be procured by the contractor directly from the manufacturer. In exceptional circumstances, the contractor may be allowed to procure the materials from the authorized dealers of the manufacturers, if specifically permitted by the Engineer-in-Charge.
- (vi) The original copies of challan/cash memos towards the quantity of various chemicals procured shall be made available by the contractor at the request from the Engineer-in-Charge and a copy of the same shall be kept in record.
- (vii) The Name of manufacturers, manufacturer's product identification, manufacturer's mixing instructions, warning for handling and toxicity and date of manufacturing and shelf life shall be clearly and legibly mentioned on the labels of the each container.
- (viii) The contractor shall submit for the chemicals procured, manufacturer's and / or authorized dealer's certificate regarding supplying and verifying conformance to the material specifications, as specified.
- (ix) All filled containers shall be handled in safe manner and in a way to avoid breaking container seals.
- (x) Empty containers of the chemicals should not be removed from site till the completion of work and shall be removed only with the written approval of the Engineer-in-Charge.
- (xi) All arrangements for measuring, dosing and mixing of material / chemicals at site have to be made by the contractor.
- (xii) Contractor shall suitably advise his site supervisory staff and all the workers as regards safe handling of chemicals. Necessary protective and safety equipments in form of hand gloves, goggles etc. shall be provided by the contractor and be also used at site.
- (xiii) All incidental charges of any kind Including cartage, storage and wastage and safe custody of material etc. shall be borne by the contractor and no claim, whatsoever, shall be entertained on this account.
- (xiv) The chemicals shall be tested in an independent laboratory at the frequency as specified. If required, more samples may have to be tested as per the directions of the Engineer-in-Charge. Nothing extra shall be payable on this account. However, testing charges shall be borne by the contractor.

#### **1.27 DE-WATERING**

- (i) De-watering required, if any, shall be done conforming to BIS Code IS: 9759 (guide lines for de-watering during construction) and / or as per the specifications approved by the Engineer-in-Charge. Design of an appropriate and suitable dewatering system shall be the Contractor's responsibility. Such scheme shall be modified / augmented as the work proceeds based on fresh information discovered during the progress of work, at no extra cost. At all times during the construction work, efficient drainage of the site shall be carried out by the Contractor and especially during the laying of plain cement concrete, taking levels etc. The Contractor shall also ensure that there is no danger to the nearby properties and installations on account of such lowering of water table. If needed, suitable precautionary measures shall be taken by the Contractor. Also the scheme of dewatering adopted shall have adequate built in arrangement to serve as stand-by to attend to repair of pumps etc. and disruption of power / fuel supply. Nothing extra shall be payable on this account.

- (ii) In trenches where surface water is likely to percolate during monsoons, a ring bund of puddle clay or by any other means shall be formed outside, to the required height, and maintained by the Contractor. Also, suitable steps shall be taken by the Contractor to prevent back flow of pumped water into the trench. Nothing extra shall be payable on this account.

## 1.28 INSURANCE POLICIES

Before commencing the execution of work, the Contractor shall, without in any way limiting his obligations and liabilities, insure at his own cost and expense against any damage or loss or injury, which may be caused to any person or property, at site of work. The Contractor shall obtain and submit to the Engineer-in-Charge proper Contractor All Risk Insurance Policy for an amount equivalent to contract value plus 10%, for this work, with Engineer-in-Charge as the first beneficiary and Workmen compensation insurance. The CAR insurance and WC shall be obtained in joint names of Engineer-in-Charge and the Contractor (who shall be second beneficiary). Also, he shall indemnify the Institute or its representatives from any liability during the execution of the work. Further, he shall obtain and submit to the Engineer-in-Charge, a third-party insurance policy for Rs. 10 lakhs (Rupees Ten Lakhs only) for each accident, with number of occurrence of at least four, with the Engineer-in-Charge as the first beneficiary. The insurance shall be obtained in joint names of Engineer-in-Charge and the Contractor (who shall be second beneficiary). The Contractor shall, from time to time, provide documentary evidence as regards payment of premium for all the Insurance Policies for keeping them valid till the completion of the work. The Contractor shall ensure that Insurance Policies are also taken for the workers of his Sub-Contractors /specialized agencies also. Without prejudice to any of its obligations and responsibilities specified above, the Contractor shall within 10 days from the date of letter of acceptance of the tender and thereafter at the end of each quarter submit a report to the Institute giving details of the Insurance Policies along with Certificate of these insurance policies being valid, along with documentary evidences as required by the Engineer-in-Charge. **No work shall be commenced by the Contractor unless he obtains the Insurance Policies as mentioned above.** Also, no payment shall be made to the Contractor on expiry of insurance policies unless renewed by the Contractor. Nothing extra shall be payable on this account. No claim of hindrance (or any other claim) shall be entertained from the contractor on these accounts.

## 1.29 TRAINING OF THE PERSONNEL

- 1.29.1 The contractor shall arrange at no extra cost to the Department to train two persons from the Institute and two person from the Project Management Consultant, one each for civil and electrical works, on how to operate and carryout preventive maintenance of the systems (both civil and electrical) . The contractor shall arrange this training from well qualified and experience personnel for at least seven days.
- 1.29.2 The Architectural drawings given in the tender other than those indicated in nomenclature of items are only indicative of the nature of the work and materials/fixings involved unless and otherwise specifically mentioned. However, the work shall be executed in accordance with the drawings duly approved by the Engineer-in-Charge.

**1.30 APPLICABLE PERMITS**

1.30.1 The contractor(s) shall give to the municipal corporation, police and other authorities, all necessary notices etc. that may be required by law and obtain all requisite licenses for temporary obstructions, enclosures etc. and pay all fee, taxes and charges which may be levied on account of these operations in executing the contract. He shall make good any damage to the adjoining property whether public or private and shall supply and maintain lights either for illumination or for cautioning the public at night.

1.30.2 The contractor shall ensure that applicable permits mandated by the local bodies and in case warranted for this work are obtained as required under the Applicable Laws. An indicative but not exhaustive list of some of the applicable permits are mentioned below for the guidance of the Contractor.

1.30.3 Consequences on account of failure to obtain the mandatory permits shall be the sole responsibility of the contractor and no claim what so ever shall be entertained by the Institute. Any liability incurred by Institute on account of such failure shall be recovered from the amounts/payments due to the contractor.

- Permission of the State Government for extraction of boulders from quarry;
- Permission of Pollution Control Board for installation of crushers;
- Licence for use of explosives;
- Permission of the State Government for drawing water from river/reservoir;
- Licence from Inspector of factories or other competent authority for setting of Batching Plant;
- Clearance of Pollution Control Board for setting up Batching Plant;
- Clearance of Pollution Control Board for Asphalt Plant;
- Clearance of Pollution Control Board for installation of diesel generator sets;
- Fire safety clearance from fire authorities;
- Permission of State Government for cutting of trees; if any.
- Permit for employing unskilled/semi skilled labour during day/night.
- Permit for disposal of solid waste/excess material or soil,
- Permissions from the public utilities for diversion of utilities Including reinstatement/reconstruction to original specifications;
- Approvals for electric supply/distributions;
- Any other permits or clearance required under the Applicable laws.

**1.31 RECORDING OF HINDRANCE & MAINTENANCE OF HINDRANCE REGISTER**

- (i) Whenever any hindrance whether on part of Institute or on part of contractor, comes to the notice of the Project Management Consultant, he shall at once make a note of such hindrance in the register kept at site, and immediately make a report to the Engineer-in-charge within a week.
- (ii) The following points shall be kept in mind while entering the hindrances in the Hindrance Register:
  - a) The entry of date of start of hindrance and date of removal of hindrance shall be made on the same day as the hindrance takes place or the cause of the hindrance is removed, respectively.

- b) The Engineer-in-charge shall work out the over lapping period, net if hindrance and of each hindrance within 15 days of removal of the cause of hindrance.
- c) The items of work affected due to any hindrance shall be clearly mentioned in the Hindrance Register by the Project Management Consultant, and the weightage shall be allowed on this basis.
- d) Each hindrance shall be entered in the hindrance Register, which shall be authenticated by the Engineer-in-charge, PMC and Contractor.
- e) The hindrance on part of contractor shall also to be entered in the Hindrance Register.
- f) The hindrance shall be recorded carefully in the Hindrance Register after considering its effect on completion of work.
- g) Review of hindrance register shall be compulsory at the time of payment of each Running Account Bill and final bill and certificate shall be recorded that all up to date hindrances on part of Institute and contractor have been recorded in the hindrance register.
- h) The net delay on part of Institute or contractor shall be worked out after considering all the hindrances recorded in the hindrance register.

### 1.32 SAFETY, HEALTH AND ENVIRONMENT

Over and above the provisions made in Safety Code (part of General Conditions of Contract) the following will also be applicable:

In respect of all workmen directly or indirectly employed in the work for the performance of the contractor's part of this agreement, the contractor shall at his expense arrange for the safety provisions as per Indian Standard Safety codes shown below and shall at his own expense provide for all facilities in connection there with. In case the contractor fails to make arrangement and provide necessary facilities, he shall be liable to pay compensations prescribed under Workmen's Compensation Act 1923 as amended from time to time for each default and in addition the Engineer-in-charge shall be at liberty to make arrangement and provide facilities as aforesaid and recover the cost incurred on that behalf from the contractor, and no claims what so ever shall be entertained.

Details regarding some special provisions to be followed by contractor are as follows:

- a) Usage of quality Personal Protection Equipments (PPEs) through approved vendors. PPEs would include amongst others the following items:
  - Safety Helmets.
  - Hearing Protection.
  - Respiratory Protection.
  - Eye Protection.
  - Protective Gloves.
  - Safety Footwear.
  - High Visibility Clothing (Jacket)

All the items should be got approved before issued to the use in the work.

The contractor shall provide all the PPE (Personnel Protective Equipment) and safety appliances required to carry out the job to all the workmen deployed by the contractor and also ensure that his workmen use those PPE and safety appliances while on the job. The contractor shall not pay any cash amount in lieu of PPE to the workers/sub-contractors and expect them to buy and use during work. If the contractor fails to ensure provision of safety appliances and its workmen do not use the PPE and safety appliances as needed for safe working, the Engineer-in-charge may ask the contractor to stop the work and comply with safety requirements first. The contractor shall at all time maintain a minimum of 10% spare PPEs and safety appliances and properly record and show to the Engineer-in-charge during the inspections. Failing to do so shall invite appropriate compensations as per the provisions of under Workmen's Compensation Act 1923 as amended from time to time.

It is always the duty of the contractor to provide required PPEs for all visitors. Towards this required quantity of PPEs shall be kept always at the security post.

#### **Colour coding for helmets**

<b>Safety Helmet Color Code</b>	<b>Person to use</b>
White	Staff of IIM, Project Management Consultant and Master Plan Designer (MPD) and their Consultants
Violet	Main Contractors (Engineers /Supervisors)
Blue	All Sub-contractors (Engineers /Supervisors)
Red	Electricians (Both Contractor and Sub-contractor)
Green	Safety Professionals (Both Contractor and Sub-contractor)
Orange	Security Guards / Traffic marshals
Yellow	All workmen
White (with "VISITOR" sticker)	Visitors

#### **b) Working at Heights**

Contractor shall ensure that work at height is properly planned for any emergencies and rescue appropriately supervised, and carried out in a manner, which is reasonably practicable safe. Contractor shall ensure that work at height is carried out only when the weather conditions do not jeopardize the health or safety of persons involved in the work. Guardrail, Toe-board, Barrier or similar collective means of protection shall be of sufficient dimensions, of sufficient strength and rigidity for the purposes for which they are being used, and otherwise suitable.

Working Platform shall be of sufficient dimensions to permit the safe passage of persons and the safe use of any plant or materials required to be used and to provide a safe working area-having regard to the work being carried out there. It shall be so constructed that the surface of the working platform has no gap through which a person, material or object could fall and injure a person. A working platform and any supporting structure shall not be loaded so as to give rise to a risk of collapse or to any deformation, which could affect its safe use. Strength and stability calculations for scaffolding shall be carried out by the contractor. The dimensions, form and layout of scaffolding decks shall be appropriate to the nature of the work to be performed and suitable for the loads to be carried and permit work and passage in safety.

A personal fall protection system designed for use with an anchor shall be securely attached to at least one anchor, and each anchor and the means of attachment thereto shall be suitable and of sufficient strength and stability for the purpose of supporting any foreseeable loading. Suitable and sufficient steps shall be taken to prevent any person falling or slipping from a personal fall protection system. Any other steps in the opinion of engineer-in-charge suggested will also be taken in Protection system

Only metal ladders shall be allowed. Any surface upon which a ladder rests shall be stable, firm, of sufficient strength and of suitable composition safely to support the ladder so that its rungs or steps remain horizontal, and any loading intended to be placed on it. A ladder shall be so positioned as to ensure its stability during use. A suspended ladder shall be attached in a secure manner and so that, with the exception of a flexible ladder, it cannot be displaced and swinging is prevented. No interlocking or extension ladder shall be used unless its sections are prevented from moving relative to each other while in use.

**c) Lifting appliances and gears.**

The contractor shall maintain a register for record of examinations and test details of all lifting appliances. This register should also contain a system of identification of all tools and tackles, its date of purchase, safe working load etc. Contractors can utilize the services of any competent person as defined in Factories Act, 1948 and approved by Chief Inspector of Factories with the permission of the Employer.

**d) Automatic safe load indicators**

Every lifting appliances and gears like cranes, hydras etc, if so constructed that the safe working load may be varied by raising or lowering of the jib or otherwise shall be attached with an automatic indicator of safe working loads approved by Bureau of Indian standards/ International certifying bodies which gives a warning to the operator and arrests further movements of the lifting parts.

e) **Qualification of operator of lifting appliances and of signaller etc.**

The contractor shall not employ any person to drive or operate a lifting machine like crane, hydra etc whether driven by mechanical power or otherwise or to give signals to work as a operator of a rigger or derricks unless he is above twenty-one years of age and possesses a valid heavy transport vehicle driving license as per Motor Vehicle Act and Rules, is absolutely competent and reliable, possesses the knowledge of the inherent risks involved in the operation of lifting appliances by undergoing a formal training at any institution of importance and is medically examined periodically.

**1.33 EXISTING SERVICES**

- 1.33.1 Existing drains, pipes, electricity cables, overhead wires and telephone cables, sewer lines, water lines and similar services encountered in the course of the execution of the work shall be protected/ maintained against the damage by the contractor. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services. In case temporary shifting/supporting of such services is required to facilitate the work, the contractor at no extra cost shall do the same. The decision of the Engineer-in-Charge in this regard shall be final and binding.
- 1.33.2 All works pertaining to services Including rerouting/diversion of services, routine testing, installation etc., completed in one or more than one process shall be subject to examination and approval at each stage thereof by the Engineer-in-charge or concerned department as would be notified by the Engineer-in-charge or his authorized representative when such stage is ready. In default of such notice the Engineer-in-Charge shall be entitled to appraise the quantity and extent thereof and the decision of Engineer-in-Charge or his authorized representative in this regard shall be final and binding.
- 1.33.3 For utilities which are required to be removed or **permanently shifted** to new position in the opinion of the Engineer-in-charge, shall be removed / shifted by the contractor in consultation with the service provider agency. Payment for this shall be made as per terms and conditions of the contract. No claim for delay or otherwise due to above reasons shall be entertained on this account.
- 1.33.4 The contractor shall make his own arrangement for the disposal of the spoils, waste of bentonite, all dismantled material, slush and foul materials, surplus earth to such place where the same shall not cause nuisance or any environmental problems anywhere and should be acceptable to the authorities concerned. No extra claim whatsoever shall be entertained due to above. The road connected to site should be kept free of nuisance or environmental problems.
- 1.33.5 The contractor shall make his own arrangement at his own cost for the provision of telephone facilities at the site of works or at any other place.
- 1.33.6 The contractor shall make his own arrangements for obtaining electric & water connection(s) if required and make necessary payment directly to department

concerned. The Institute will however make all reasonable recommendations to the authority concerned in this regard.

- 1.33.7 The Contractor shall construct and provide, at location to be approved by Engineer-in-charge, the following infrastructure for the exclusive use of the staff/representatives of the Institute, engaged for supervision of Project.
- (a) Office space with a minimum carpet area of 600 sqft and office furniture for 8-10 persons
  - (b) Toilet facility with two European WCs and two urinals
  - (c) The above facilities should have lighting and ventilation facilities Including air-conditioning.
  - (d) The contractor shall maintain the infrastructure and bear all expenses on account of housekeeping, maintenance, water and electricity.

Nothing extra shall be payable to the contractor for constructing, providing and maintaining the above support infrastructure, which shall not be removed after completion of the project.

- 1.33.8 The contractor shall bear all incidental charges for cartage, storage and safe custody of materials brought to site.
- 1.33.9 The work shall be carried out in accordance with the Architectural drawings, structural and services drawings, to be issued from time to time, by the Engineer-in-Charge. Before commencement of any item of work, the contractor shall correlate all the relevant architectural, structural drawing and services issued for the work, nomenclature of items, specifications etc. and satisfy himself that the information available there from is complete and unambiguous. The figures & the written dimensions of the drawing shall supercede the measurement by scale. The discrepancy, if any, shall be brought to the notice of the Engineer-In-Charge for immediate decision before execution of the work. The contractor alone shall be responsible for any loss or damage occurring by the commencement of work on the basis of any erroneous and or incomplete information and no claim, whatsoever shall be entertained on this account.
- 1.33.10 Construction Worker's Welfare Cess as applicable shall be deducted from payments madetothecontractor.
- 1.33.11 The contractor shall have registration with EPFO and ESIC. The ESI and EPF contributions on the part of employer in respect of this contract shall be paid by the contractor.

**2.0.1 Procurement of Construction Materials**

- (i) All vehicles delivering construction materials to the site shall be covered to avoid spillage of materials and maintain cleanliness of the roads.
- (ii) Wheel Tyres of all vehicles used by of the contractor, or any of his sub contractor or materials suppliers shall be cleaned and washed clear of all dust/mud before leaving the project premises. This shall be done by routing the vehicles through tyre washing tracks.
- (iii) Contractor shall arrange for regular water sprinkling at least twice a day (i.e. morning and evening) for dust suppression of the construction sites and unpaved roads used by his construction vehicles.

**2.0.2 Water Pollution**

- (i) The Contractor shall take all precautionary measures to prevent the wastewater during construction to accumulate anywhere.
- (ii) The wastewater arising from the project is to be disposed off in the manner that is acceptable to the respective Pollution Control Board.

**2.0.3 Air and Noise Pollution**

Contractor shall use dust screens and sprinkle water around the construction site to arrest spreading of dust in the air and surrounding areas.

- (i) Contractor shall ensure that all vehicles, equipment and machinery used for construction are regularly maintained and confirm that emission levels comply with environmental emission standards/norms.
- (ii) For controlling the noise from Vehicles, Plants and Equipments, the Contractor shall confirm the following:
- (iii) All vehicles and equipment used in construction will be fitted with exhaust silencers.
- (iv) Servicing of all construction vehicles and machinery will be done regularly and during routine servicing operations, the effectiveness of exhaust silencers will be checked and if found defective will be replaced.
- (v) Noise emission from compactors (rollers), front loaders, concrete mixers, cranes (movable), vibrators and saws should be less than 75 dB(A).
- (vi) As per the standards/guidelines for control of Noise Pollution from Stationary Diesel Generator (DG) sets, noise emission in dB(A) from DG Sets (2-1010 KVA) should be less than  $94+10 \log_{10} (KVA)$ . The standards also suggest construction of acoustic enclosure around the DG Set and provision of proper exhaust muffler with insertion loss of minimum 25 dB(A) each as mandatory.

**2.0.4 Personal Safety Measures for Labour**

Contractor shall provide the following items for safety of workers employed by contractor and associate agencies:

- (i) Protective footwear / helmet and gloves to all workers employed for the work on mixing cement, lime mortars, concrete etc. and openings in water pipeline/sewer line.

- (ii) Welder's protective eye-shields to workers who are engaged in welding works.
  - (iii) Safety helmet and Safety harness/ belt.
  - (iv) Adequate sanitation/safety facilities for construction workers to ensure the health and safety of the workers during construction, with effective provisions for the basic facilities such as sanitation, drinking water and safety equipments or machinery.
  - (v) All the workers should be wearing helmet and shoes all the time on site.
  - (vi) Masks and gloves should be worn whenever and wherever required.
  - (vii) Full time workers ( if any with the approval of Engineer-in-Charge) residing on site should be provided with clean and adequate temporary hutment.
  - (viii) First aid facility should also be provided.
  - (ix) Overhead lifting of heavy materials should be avoided. Barrow wheel and hand-lift boxes should be used to transport materials onsite.
  - (x) Tobacco and cigarette smoking should be prohibited onsite.
  - (xi) All dangerous parts of machinery are well guarded and all precautions for working on machinery are taken.
  - (xii) Maintain hoists and lifts, lifting machines, chains, ropes and other lifting tackles in good condition. Provide safety net of adequate strength to arrest falling material down below.
  - (xiii) Use of durable and reusable formwork systems to replace timber formwork and ensure that formwork where used is properly maintained.
  - (xiv) Ensure that walking surfaces or boards at height are of sound construction and are provided with safety rails and belts. Provide protective equipments such as helmets.
  - (xv) Provide measure to prevent fire. Fire extinguisher and buckets of sand to be provided in fire-prone area and elsewhere.
  - (xvi) Provide sufficient and suitable light for working during night.
  - (xvii) Ensure that measures to protect workers from materials of construction, transportation, storage and other dangers and health hazards are taken
  - (xviii) Ensure that the construction firm/division/company have sound safety policies.
  - (xix) Comply with the safety procedure, norms and guidelines (as applicable) as outlined in NBC 2005 (BIS 2005c).
  - (xx) Adopt additional best practices and prescribed norms as in NBC 2005 (BIS2005).
- 2.0.5** Identify roads on-site that would be used for vehicular traffic. Update vehicular roads (if these are unpaved) by increasing the surface strength by improving particle size, shape and mineral type that make up the surface base. Add surface gravel to reduce source of dust emission. Limit amount of fine particles (smaller than 0.075mm) to 10 - 20%. Limit vehicular speed on site 10km/h. Nothing extra will be payable for this.
- 2.0.6** All material storages should be adequately covered and contained so that they are not exposed to situations where winds on site could lead to dust/particulate emissions.
- 2.0.7** Spills of dirt or dusty materials shall be cleaned up promptly so the spilled material does not become a source of fugitive dust and also to prevent of seepage of pollutant

laden water into the ground aquifers. When cleaning up the spill, ensure that the clean – up process does not generate additional dust. Similarly, spilled concrete slurries or liquid wastes should be contained/cleaned up immediately before they can infiltrate into the soil/ground or runoff in nearby areas.

- 2.0.8** Ensure that water spraying is carried out by wetting the surface by spraying water on:
- (i) Any dusty material.
  - (ii) Areas where demolition work is carried out.
  - (iii) Any unpaved main-haul road and.
  - (iv) Areas where excavation or earth moving activities are to be carried out.
- 2.0.9** The contractor shall ensure the following:
- (i) Cover and enclose the site by providing dust screen, sheeting or netting to scaffold along the perimeter of a building.
  - (ii) Covering stockpiles of dusty material with impervious sheeting.
  - (iii) Covering dusty load on vehicles by impervious sheeting before they leave the site.
  - (iv) Transferring, handling/storing dry loose materials like bulk cement and dry pulverized fly ash inside a totally enclosed system.
  - (v) Spills of dirt or dusty materials shall be cleaned up promptly so that the spilled material does not become a source of fugitive dust and also to prevent seepage of pollutant laden water into the ground aquifers. When cleaning up the spill, ensure that the clean-up process does not generate additional dust. Similarly, spilled concrete slurries or liquid wastes should be contained / cleaned up immediately before they can infiltrate into the soil/ground or runoff in nearby areas.
  - (vi) Clear vegetation only from areas where work will start right away.
  - (vii) Vegetate / mulch areas where vehicles do not ply.
  - (viii) Apply gravel/landscaping rock to the areas where mulching/paving is impractical.
- 2.0.10** Adopt measures to prevent air pollution in the vicinity of the site due to construction activities. There is no standard reference for this. The best practices should be followed (as adopted from international best practice documents and codes).
- 2.0.11** Provide safety barricading of site by drawing ribbon band along the site boundary, next to a road or other public area.
- 2.0.12** The contractor shall provide experienced personnel with suitable training to ensure that these methods are implemented. Prior to the commencement of any work, the method of working, plant equipment and air pollution control system to be used on – site should be made available for the inspection and approval of the Engineer –in-Charge to ensure that these are suitable for the project.
- 2.0.13** Employ measures to segregate the waste on-site into inert, chemical or hazardous wastes. Recycle the unused chemical/hazardous wastes such as oil, paint, batteries and asbestos. Inert and Hazardous waste must be collected and storied separately from site. Proper training must be given to all construction workers in order to train

them to be able to handle different kind of waste on site. In addition to segregating the inert and hazardous waste, it is also important to either reuse the construction waste on site or safely dispose it off to designated agencies for recycling.

- 2.0.14** The contractor should preserve the existing landscape and protect it from degradation during the process of construction. Select proper timing for construction activity to minimize the disturbance such as soil pollution due to spilling of the construction material and its mixing with rainwater. The application of erosion control measures includes construction of gravel pits and tyre washing bays of approved size and specification for all vehicular site entry/exits, protection of slopes greater than 10%. Sedimentation Collection System and run-off diversion systems shall be in place before the commencement of construction activity. Preserve and protect the existing vegetation by not-disturbing or damaging to specified site areas during construction.
- 2.0.15** The Contractor should follow the construction plan as proposed by the Engineer-in-charge /landscape consultant to minimize the site disturbance such as soil pollution due to spilling. Use staging and spill prevention and control plan to restrict the spilling of the contaminating material on site.
- 2.0.16** Spill prevention and control plans should clearly state measures to stop the source of the spill. Measures to contain the spill and measures to dispose the contaminated material and hazardous wastes. It should also state the designation of personnel trained to prevent and control spills. Hazardous wastes include pesticides, paints, cleaners and petroleum products.
- 2.0.17** A soil Erosion and Sedimentation Control Plan (ESCP) should be prepared prior to construction and should be applied effectively.
- 2.0.18** The contractor shall prepare and submit 'Spill prevention and control plans' before the start of construction, clearly stating measures to stop the source of the spill, to contain the spill, to dispose the contaminated material and hazardous wastes, and stating designation of personnel trained to prevent and control spills. Hazardous wastes include pesticides, paints, cleaners, and petroleum products.
- 2.0.19** The contractor shall ensure that no construction leaches (Ex: cement slurry) is allowed to percolate into the ground. Adequate precautions are to be taken to safeguard against this Including reduction of wasteful curing processes, collection, basic filtering and reuse. The contractor shall follow requisite measures for collecting drainage water run-off from construction areas and material storage sites and diverting water flow away from such polluted areas. Temporary drainage channels, perimeter dike/swale, etc. shall be constructed to carry the pollutant –laden water directly to the treatment device or facility (municipal sewer line).
- 2.0.20** All lighting installed by the contractor around the site and at the labour quarters during construction shall be energy efficient fixtures of the appropriate illumination levels. This condition is a must, unless specifically prescribed otherwise.

**2.0.21** All paints, adhesives and sealants should comply with the VOC limits prescribed as a Green initiatives as follows:

**Table 1- VOC limits for paints, adhesives and sealants**

<b>Paints</b>	<b>VOC Limit (g/l)</b>	<b>Adhesives</b>	<b>VOC Limit (g/l)</b>
Non-flat paints	150	Wood flooring Adhesive	100
Flat (Mat) paints	50	Tile Adhesive	65
Anti-corrosive/ antirust paints	250	Indoor Carpet Adhesive	50
Varnish	350	Wood	30
Lacquer	550	Stains water proofing Sealer	250

**2.0.22** All the building materials and systems used on site must be as per the specifications and approved makes by the Engineer-In-Charge.

**2.0.23** Water saving measures as suggested by the Institute need to be followed on site.

**2.0.24** Any other site management measures suggested by the Engineer-in-charge / Master Plan Designer (MPD) shall be followed on site.

**2.0.25** Nothing extra shall be payable for above provisions unless otherwise specified in Schedule of Quantity.

**2.0.26** The recoveries to be made towards non fulfillment of conditions of submission of 'SMP', technical staff, field laboratory and safety measures in non-refundable and shall be over and above the compensation levied (if any) under Clause 2 of General Conditions of Contract.

**3.0 SPECIAL CONDITIONS FOR ENVIRONMENT MANAGEMET PLAN**

- a. The contractor shall obtain approval for laying electrical lines from the electricity distribution utility and comply with the provisions as per Terms and Conditions for Supply of Electricity, for construction purpose as well as for final connection.
- b. The contractor shall ensure taking necessary steps on urgent basis to improve the living conditions of the labour at site and provide necessary facility to the labour.
- c. Contractor has to construct housing colony for labour within the site with all necessary infrastructure and facilities such as health facility, sanitation facility, and fuel for cooking, along with safe drinking water, medical camps, and toilets for women, crèche for infants. The housing may be in the form of temporary structures to be removed after the completion of the project. Details of provisions should be submitted to Engineer In charge for approval.
- d. During construction period, mobile STP of required capacity shall be provided by the contractor for the labour colony. The drains should be of adequate capacity and be lined till the final disposal points. Provision for disinfection of wastewater after treatment and before reuse to be ensured by the contractor.
- e. All required sanitary and hygienic measures shall be in place before starting construction activities. The safe disposal of wastewater and solid waste generated during the Construction phase shall be ensured.
- f. All the Labourers engaged for construction shall be screened for health and adequately treated before engaging them to work at the site.
- g. All the topsoil excavated during the construction shall be stored for use in horticulture/landscape development within the project site.
- h. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people only in approved sites with approve competent authority.
- i. The contractor shall ascertain that there is no threat to the ground water quality by leaching of heavy metals and other toxic contaminants during construction will test soil and ground water samples.
- j. Construction spoils, Including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they do not leach into the ground water.
- k. The diesel generator sets to be used during construction phase shall be of low-sulphur- diesel type and shall conform to Environment (Protection) Rules for

air and noise emission standards.

- l. Vehicles hired for bringing construction material and Labourers to the site shall be in good conditions and shall conform to applicable air and noise emission standards and shall be operated during non-peak/approved hours.
- m. Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase.
- n. Water demand during construction shall be reduced by the use of pre-mixed concrete, curing agents and other best practices.
- o. Adequate measures shall be taken to reduce air and noise pollution during construction as per CPCB norms.
- p. A First Aid Room should be provided at the project site during construction phase of the project.
- q. Any hazardous waste generated during construction phase shall be disposed of as per applicable rules and norms with necessary authorization of the Haryana State Pollution Control Board.
- r. Regular supervision of the above and other measures for monitoring shall be done by Engineer In charge throughout the construction phase, so as to avoid nuisance to the surroundings.

**PART-C**  
***CIVIL WORKS (Exterior Painting)***

## PARTICULAR SPECIFICATIONS (CIVIL FINISHING WORK)

### 1. FINISHING

#### 1.1 General

- (a) The work shall be done in accordance with CPWD Specifications -2009 Vol. I to Vol. II with upto date correction slips and the manufacturer's specifications where CPWD specifications are not available.
- (b) The quantity of paint required as per the theoretical consumption Including wastages, if any, shall be procured from the approved manufacturer or his authorized dealers and deposited with the representative of the Engineer-in-Charge at site.
- (c) The Primer, Synthetic Enamel paint, distemper etc., of makes as approved by the Engineer in charge and of low VOC, shall only be used and brought to the site of work in the original sealed containers. The material brought to the site of work shall be sufficient for at least 60 days of work. The material shall be kept under the joint custody of contractor and representative of the Engineer-in-Charge. The empty containers shall not be removed from the site till the completion of the work without permission of the Engineer-in-Charge.
- (d) The paint shall be obtained in smaller packing (around 20 litre).
- (e) The paint shall be kept in the joint custody of the Institute and the Contractor and day- to-day account of receipt and issue shall be maintained. However, the safe custody and watch and ward shall remain to be the responsibility of the Contractor. Nothing extra shall be payable on this account.
- (f) The name of the manufacturer, manufacturer's product identification, manufacturer's mixing instructions, warnings and instructions for handling and application, toxicity and date of manufacturing and shelf life shall be clearly and legibly mentioned on the labels of each container. These details shall be kept in record. The material shall be consumed in the order of material brought to site, first come first consume basis. The Contractor shall obtain and submit to the Institute the manufacturer's certificate for compliance of the various characteristics of the materials as per the manufacturer's specifications and also copy of the manufacturer's test report for the record.
- (g) Empty containers of the paints shall not be removed from site till the completion of the work unless otherwise permitted and shall be removed only with the permission of the Engineer-in-Charge or his authorized representative at site of work.
- (h) All arrangements for measuring, dosing etc. at site shall be made by the Contractor. Nothing extra shall be payable on this account.
- (i) The Contractor shall apply samples of each kind of paint for the approval of shade

and colour as per the directions of the Engineer-in-Charge before procuring the paint in mass.

- (j) All incidental charges of cartage, storage, wastage, safe custody, scaffolding, cost of samples and mock ups etc. shall be borne by the Contractor and no claim, whatsoever, shall be entertained on this account.
- (k) For the item of Epoxy paint, it is clarified that the surface for painting shall be prepared by shot blasting. The metal surface shall be cleaned off any rust using sand/ emery paper and also by mechanical brush / power tool cleaning using grinder as required as per the manufacturer's specifications etc. The sand blasting as such is not required to be carried out on the surface. However, the epoxy primer shall be applied immediately after the surface preparation.
- (l) For the item of melamine polish, the item includes all the sand papering required to be carried out and wiped properly for cleaning all the loose dust particles. Necessary masking tapes are to be provided where different finishing work is to be carried out, so that the melamine polish does not spread to the other surfaces. Care should be taken while removing the masking tape, so that the surface is not damaged. Cost of melamine polish includes the cost of providing and removing the masking tapes wherever required. The surface shall be sand papered using emery paper no. 180, 320 and 400 as required. Any staining required shall be carried out by applying Apcolite Wood Stain or equivalent, to achieve the required colour and shade as directed by the Engineer-in-Charge. The item of melamine polish is deemed to include cost of such staining. Where French spirit polish is to be carried out the rate is inclusive of cost of staining and wood filler (Apcolite wood filler of Asian Paints or Asian NC Clear Wood filler or equivalent of other brands ICI and Pidilite Industries) if required. Nothing extra shall be payable on this account.

## 1.2 Quality Assurance

For Quality Assurance the Contractor shall ensure that color and texture of finish coats, shall match the approved sample. Also,

- i) Color of priming coat shall be lighter than body coat.
- ii) Color of body coat shall be lighter than finish coat.
- iii) Color prime and body coats as required so as not to show through the finish coat and to mask surface imperfections.

Before starting application of each type of paint, the Contractor shall apply the paint to a specimen area, not to exceed 10 square meter and get finish and texture approved and shall use it as a sample for the remainder of the work.

### Special Conditions

1. All setting out activities concerning establishment of bench marks, theodolite stations, centre line pillars, etc. Including all materials, tools, plants, equipments, theodolite and all other instruments, labour etc. required for performing all the functions necessary and ancillary thereto at the commencement of the work, during the progress of the work and till the completion of the work shall be carried out by the contractor.
2. The contractor shall carry out true and proper setting out of the work under the supervision of the Engineer-in-Charge or his authorized representatives and shall be responsible for the correctness of the positions, levels, dimensions and alignments of all parts of the Road. If at any time, during the progress of the work, any error appears or arises in the position, level, dimensions or alignment of any part of the work, the contractor on being asked to do so by the Engineer-in-charge, shall rectify such error to the entire satisfaction of the Engineer-in-Charge. The supervision and/or checking by the Engineer-in-charge or his authorized representatives shall not relieve the contractor of his responsibility for the correctness of any setting out of any line or level. The contractor shall carefully protect and preserve all bench marks, pegs and pillars provided for the setting out of works.
3. Some restrictions may be imposed by the concerned authorities on quarrying of sand, stone etc. from certain areas. For timely completion of work, the contractor shall have to bring such material from other quarries located elsewhere, and nothing extra shall be payable on this account.
4. Unless otherwise specified in the Schedule of Quantities, the rates of all items of work shall be considered as inclusive of working in or under water and/or liquid mud and/or foul conditions Including pumping or bailing out liquid mud or water accumulated in excavations during the progress of the work from springs, tidal or riverseepage, rain, broken water mains or drains and seepage from subsoil aquifer.
5. Stacking of materials and excavated earth Including its disposal shall be done as per the directions of the Engineer-in-Charge. Multiple handling of materials or excavated earth, if required, shall have to be done by the contractor at his own cost.
6. Contractor shall supply, free of charge, all the materials required for testing. The testing charges shall be borne by the contractor.
7. The contractor or his authorized representative shall associate in collection, preparation, forwarding and testing of such samples. In case he or his authorized representative is not present or does not associate himself, the Engineer-in-Charge shall do the needful or getting the samples collected and tested; the result of such tests and consequences thereof shall be binding on the contractor.
8. Other agencies working at site may also simultaneously execute the works entrusted to them and to facilitate their working, the contractor shall make necessary provisions e.g. holes, openings, etc. for laying / burying pipes, cables, conduits, clamps, hooks etc. as may be required from time to time.

9. Existing drains, pipes, cables, overhead wires, sewer lines, water line and similar services encountered in the course of the execution of the work shall be protected against the damage by the contractor. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services.
10. On account of security consideration, there could be some restrictions on the working hours, movement of vehicles for transportation of materials and location of labour camp. The contractor shall be bound to follow all such restrictions and adjust the programme for execution of work accordingly.
11. For the safety of all labour directly or indirectly employed in the work for the performance of the contractor's part of this agreement, the contractors shall, in addition the provision of CPWD safety code and directions of the Engineer-in-charge, make all arrangements to provide facility as per the provision of Indian Standard Specifications (Codes) listed below & nothing extra shall be paid on this account.
 

IS 3696 Part I	Safety Code for Scaffolds and ladders
IS 3696 Part II	Safety Code for Scaffolds and ladders Part II ladders
IS 3764	Safety Code for excavation work
IS 4138	Safety Code for working in compressed air
IS 7293	Safety Code for working with construction machinery
IS 7969	Safety Code for storage and handling of building materials
IS 4130	Safety Code for demolition of buildings
12. Nothing extra shall be paid for cartage of any material to the site of work.
13. The contractor must take adequate precaution to ensure that no spillage of construction material takes place on to the carriageway. Failure to observe this will make the contractor liable to pay compensation @ Rs. 100/- (Rs. One Hundred only) per day per meter length of each carriage way as affected by spillover of any construction material subject to a maximum of 5% (five percent) of tendered cost of the work put to tender. The decision of Engineer-in-charge on this regard shall be final and binding on the contractor.
14. The right to carry out the work either in conformity with or in a manner entirely different from the terms of this tender document that may be considered most suitable before or subsequent to the receipt of tenders due to exigencies of work, is reserved with the Engineer-in-charge.

15. For the execution of any items of work where any incidental work is actually required but not specifically stated in the tender, it is to be understood that the rate quoted by the contractor shall cover such charges also and nothing extra on account of such incidental charges, if any, shall be paid.
16. The contractor shall maintain in good condition all work till the completion of entire work allotted to him. From the commencement of the work to the completion of the same, the work is to be under the contractor's charge. The contractor is to be held responsible for and to make good all injuries, damages and repairs, caused by fire, traffic, floods or other natural calamities and no payment shall be made to the contractor on this account. Engineer-in-charge shall not be held responsible for any claims for injuries to persons/workmen or for structural damage to property happening from any neglect, default, want of proper care or misconduct on the part of the contractor or any other of his authorized representatives in his employment during the execution of the work. The compensation, if any, shall be paid directly to the department / authority /persons concerned, by the contractor at his own cost.
17. Engineer-in-charge shall have full powers to send workmen and employ on the premises to execute fittings and other work not included in the contract. For whole operations the contractor is to afford every reasonable facility during ordinary working hours provided such operations are carried out in such a manner as not to impede the progress of work included in this contract, in the opinion of Engineer-in-charge.

### 3.0 Additional Conditions

1. Before tendering, the tenderer shall inspect the site of work and shall fully acquaint himself about the conditions with regard to site, nature of soil, availability of materials suitable location for construction of godowns, stores and labour huts, the extent of leads and lifts involved in the work (over the entire duration of contract) Including location conditions, traffic restrictions, obstructions and other conditions, as required for satisfactory execution of the work. His rates shall take into consideration all such factors and contingencies. No claim whatsoever shall be entertained by the Institute on this account.
2. The contractor must study the specifications & conditions carefully before tendering.
3. Before start of the work, the contractor shall submit the program of execution of work, which will include sequence of construction, get it approved from the Engineer-in-charge and strictly adhere the same for the timely completion of the project work.
4. The contractor shall have to make approaches to the site, if so required and keep them in good condition for transportation of labour and materials as well as inspection of works by the Engineer-in-Charge. Nothing extra shall be paid on this account.
5. The contractor shall at all times carry out work in a manner creating minimum interference in the flow of traffic as per direction of Engineer-in-charge.
6. The work shall be carried out in such a manner so as not to interfere or effect or disturb other works, being executed by other agencies, if any.
7. Any damages done by the contractor to any existing work shall be made good by him at his own cost.
8. The work shall be carried out in the manner complying in all respects with the requirement of relevant bye-laws of the local bodies under the jurisdiction of which the work is to be executed and nothing extra shall be paid on this account.
9. For completing the work in time, the contractor might be required to work, in two or more shifts Including night shifts and no claim whatsoever shall be entertained on this account, notwithstanding the fact that the contractor will have to pay to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour regulations and the agreement entered upon and / or extra account for any other reason. No bitumen work should be undertaken between 8 PM to 8 AM. Necessary permission to work in delay time, shall be obtained by the agency from traffic police and other concerned Departments. Institute shall provide necessary assistance in this regard, on a best-effort basis.
10. The contractor shall make his own arrangements for obtaining electric connection(s), if required, and make necessary payment directly to the department concerned. The

Institute shall however make all reasonable recommendations to the authority concerned in this regard.

11. The contractor or his authorized representative shall always be available at the site of work to take instructions from Engineer-in-charge or his representative, and ensure proper execution of work. No work shall be done in the absence of such authorized representative.
12. The contractor shall maintain in good condition all works executed till the completion of entire work allotted.
13. No payment shall be made to the contractor for damage caused by rains, or other natural calamities during the execution of works and no claims whatsoever on this account will be entertained.
14. The temporary warning lamps shall be installed at all barricades during the hours of darkness and kept lit at all times during these hours.
15. The malba / garbage, removed from the site shall be disposed off by the contractor at any approved Municipal dumping ground or directed by the Engineer-in-charge.
16. All work and materials brought and left upon the ground by the contractor or by his orders for the purpose of forming part of the works are to be considered to be the property of the Institute and the same are not to be removed or taken away by the contractor or any other person without approval of the Engineer-in-charge, but the Institute is not to be, in any way, responsible for any loss or damage which may happen to or in respect of any such work or materials either by the same being lost or damaged by weather or otherwise.
17. The contractor shall be responsible to provide deep hand pump/tube well at site of work to make available potable and safe drinking water to labour engaged in execution of work at his own cost.
18. The rates for all items of work, unless clearly specified otherwise, shall be deemed to include the cost of all labour, materials, dewatering and other inputs involved in the execution of the items.
19. Unless otherwise specified in the schedule of quantities the rates tendered by the contractor shall be inclusive and shall be applicable for all heights, depths, leads and lifts involved and the execution of work in or under water and or liquid mud Including making diversion channels if necessary.
20. The contractor shall construct suitable godown at the site of work for storing the materials safely from damage due to sun, rain, dampness, fire, thefts etc. He shall also employ necessary watch and ward establishment for the purpose and no extra claim whatsoever shall be entertained on this account.
21. The contractor will not have any claim in case of any delay by the Engineer-in-charge in removal of trees or shifting, removing of telegraph, telephone or electric lines

(Overhead or underground), water and sewer lines and other structure etc. if any, which may come in the way of the work. However, suitable extension of time can be granted to cover such delays.

22. Contractor may be required to execute this work under foul position. The decision of the Engineer-in-charge whether the position is foul or not shall be final and the binding on the contractor and nothing extra for executing the work in foul position is payable, beyond what is providing in the schedule of quantities.
23. In the tender documents, the word "CPWD" shall mean IIM Rohtak wherever applicable.
24. The rates for all the items of the work unless otherwise specified shall include cost of all labour, materials, dewatering and removal of silt, mud, vegetation etc. and other inputs required for the execution of the work. Only the material stated in the schedule of quantities and in Schedule "B" shall be issued by the department. In case any material supplied free of cost by the department is lost / damaged after issue while in transit or from the custody of the contractor, recovery shall be made at the current replacement of cost of the material plus ten percent.
25. No claim for the idle labour, machinery and establishment on account of suspensions / Stoppage of work for any reason whatsoever shall be admissible under any circumstances as well as after completion.
26. The work shall be executed and measured as per metric dimensions given in the schedule of quantities.
27. Contractor shall take all precautionary measures to avoid any damage to adjoining property. All necessary arrangement shall be made at his own cost.
28. The contractor shall deploy the technical personnel on various items of work to be executed under this agreement as per clause 36(i) Schedule 'F'. No work shall be permitted without availability of the above mentioned technical personnel on respective items of work. The contractor shall intimate to Engineer-in-charge 24 hours in advance, in writing, the particulars of the technical personnel to be deployed on the various items of work. The cost of deployment of the above personnel shall be deemed to be included in the rates quoted by the contractor and nothing extra shall be payable on account of this.
29. Contractor shall within two weeks of award of work, submit to the Engineer-in-charge for his approval, list of measures for maintaining safety of manpower deployed for construction and avoidance of accidents.

**(iii) 4. PARTICULAR SPECIFICATIONS****1.0 GENERAL**

- 1.1** The work, in general shall be executed as per the description of item, approved design and drawings, particular specifications & special conditions attached. MORTH specifications for road and bridge works (Fourth revision) 2001. CPWD specifications 2009 Vol.-I & II with correction slips upto the date of the opening of Tender and relevant specifications of B.I.S. with correction slips issued upto the last date of issue of tender. Where the aforesaid provisions and conditions are silent, relevant specialized literature and manufacturers' specifications shall be followed for the execution of work.
- 1.2** In case of discrepancy between the Schedule of Quantities, the specifications and/or the drawings; the following order of precedence will be followed:
- (i) Description of items in Schedule of Quantities
  - (ii) Particular specifications attached with tender documents
  - (iii) General specifications attached with tender documents
  - (iv) CPWD specifications 2009 Vol.-I & II with up to date correction slips.
  - (v) IRC specification / Codes.
  - (vi) Relevant Specifications of B.I.S.
  - (vii) Standard acceptable practice as approved by Engineer-in-charge
- 1.3** The contractor shall, at his own cost, construction, equip and establish a testing laboratory at site with necessary apparatus, instrument and equipment such as weighing scale, graduated cylinder, standard sieves, and thermometer. Slump Cones etc. and engage the experienced technical staff for conducting day to day tests and to ensure that material conforming to prescribed standard only are used in the work. The Engineer-in-charge reserves right to conduct field tests to ensure that the quality is consistent with the prescribed specifications. If any material of end product is found defective or substandard, the same will have to be replaced / redone at the cost of contractor.
- 1.4** The work shall be executed mechanically unless otherwise directed by Engineer-in-charge. Following major machinery is to be arranged by the contractor:
- (a) J.C.B., pock lain and dumpers for excavation and disposal of excavated earth and road materials.
  - (b) Concrete Pump for placing the concrete.
- 1.5** All dismantled/excavated serviceable material shall be the property of Govt. which shall have to be handed over to the Engineer-in-charge by the contractor and proper account shall be maintained.
- 1.6** Material such as all Paint item for execution shall be as per CPWD specification relevant agreement items.

**LIST OF APPROVED MAKE OF MATERIALS (FOR CIVIL WORKS)**

S. No.	Materials	Vendors
1.	Earth work	
1.1	CHEMICAL EMULSION FOR ANTI TERMITE TREATMENT (CHLOROPYRIPHOS EMULSIFIABLE CONCENTRATE)	DE-NOCIL , Bayer, DURSBAN 50 TC , TERRRASHIELD 50 TC OR EQUIVALENT
1.2	Damp proof material	Impermo, Duraseal, ACCO-proof
1.3	Anti-termite treatment	PEST CONTROL SERVICES, PEST CONTROL INDIA, DYNAMIC PEST AND RODENT CONTROL
2	Concrete works	
2.1	Cement (OPC/PCC)	ACC, Ultratech, JK, Ambuja, Birla
2.2	White cement	ACC, Birla, JK White
2.3	Concrete admixture, Plasticizer, Super Plasticizer, Admixtures, Other construction chemicals	BASF, Sika, FOSROC, CICO, Pidilite
2.4	Expansion Joint Board	Supreme Industries, SIL FILL, Shalimar, Jolly board or Equivalent
3	RCC works	
3.1	Reinforcement steel	SAIL, TATA (TISCO), RINL, JSW, VIZAG
4	Steel work	
4.1	Structural Steel	SAIL, TATA (TISCO), RINL, Jindal, Apollo
4.2	MS pipe, Tubes, Bar, Flats, Angle, Tee Sections	SAIL, TATA (TISCO), RINL, Jindal, Apollo
6	Wood & PVC work	
6.1	Wooden Flush Doors	Kutty, Green ply, Century, Kit ply, Merino
6.2	Water proof ply	Green ply, Garnet, Century, Kit ply, Anchor, Merino
6.4	Laminate	Greenlam/ Century, Merino, Royal Touch, Kitply, Formica, Decolam
6.5	Pre-laminated particle board – exterior grade	Novapan/Merino/Green Lam/Kitlam, Ecoboard Associated / Arclid ply/Century
6.6	Gypsum Board/ Metal Ceiling False ceiling	Saint Gobain, Lafarge, USG-Boral, Armstrong
6.8	Door Hardware (Al. Handles, AL. Tower bolt, Al. Sliding door bolt)	Classic, Crown, Everite, Kich
6.9	Hydraulic door closers/floor springs	Godrej, Hardwyn, Dorma, Everite
6.10	Locks/Latches	Dorset, Godrej, Harrison, plaza, yale

6.11	Metalic Steel Fire Door	Shakti Met Door, Promat, Godrej
6.12	Fire smoke Seal	Hilti, Raven
6.13	Fire Rated Hardware	Dorma, Ingersolrand, Geze
6.17	Mild Steel Butt Hinges/ Piano Hinges	Jolly, Garg, AMIT, Jyoti, Kundan
6.18	Stainless Steel Butt Hinges for door	Kich, Dorma, Geze, Godrej, Hettich, ozone
6.21	Glass/ reflective Glass	Saint Gobain, Asahi, Pilkington, Glaverbel
6.22	Clear Float Glass	Saint Gobain, Asahi, Pilkinton
6.23	Source for tempering Refl.Glass / Clear	FUSO, Saint Gobain, Gurind, Impact Safety
6.24	Fire rated glass	Pyoswiss of Saint Gobain, pyran of schott, Pilkington
7.	Flooring	
7.1	Vitrified Tiles	NITCO, RAK, Kajaria, Johnson, Somany
7.2	Glazed Ceramic tiles	NITCO, RAK, Kajaria, Somany, Johnson
7.9	Interlocking Concrete Blocks	Ultra, Shree, Hindustan Tiles, Vyara Tiles Pvt., Ltd. Nitco
8	Finishing	
8.1	Paint/primer/Acrylic paint (Internal and External)	Asian Paints, ICI Dulux, Nerolac, Berger, Jotun
8.2	Water proof cement paint	Snowcem India Ltd, Asian Paints, Berger,
8.3	Synthetic enamel paint	Berger, Nerolac, Asian, ICI
8.4	Cement based wall putty	JK wall putty, Birla wall case, Asian Paints, Altek.
8.5	Acrylic textured plaster	Asian Paints, Spectrum paints, Berger, Nerolac, ICI, Heritage
8.6	Ready mix Cement plaster	Wall plast, Ultretech, Madras cement Ltd.

8.9	Mirror Glass	Modi Guard, Saint Gobain, Asahi, Atul
8.10	Anti-Corrosive	Bitumastic Paint Asian / Berger / Shalimar, Nerolac
8.11	Epoxy Paint	Asian /Berger /Shalimar
8.12	Epoxy Coating	BASF, Forsoc, Laticrete
8.13	Silicon coating	Dowcorning, BASF, GE, Wecker
9	Aluminum work	
9.2	Aluminum Fittings	Classic, crown, Jyoti, Everite
9.3	Aluminum Sections	Hindalco / Jindal / Bhoruka / Indal
9.4	Friction stay hinges	Earl-Bihari, Ozone, Ebco, Godrej, Hettich, dorma, Geze
10	Water proofing	
10.1	Water proofing compound	Fosroc, BASF, Sika, Pidilite, CICO, Impermo, Acco proof
10.2	Membrane Waterproofing system	BASF, STP limited, Texsa, WR Grace, Pidilite, Hydro tech ltd.
10.3	Chemical Waterproofing system	BASF, MC-Bauchemie, Sika, Sunanda Specialty Coatings, Perma Construction Aid Pvt. Ltd. Forsoloc, Pidilite
10.4	Water stops	Hydrotite, BASF, Hydroswell
12	Miscellaneous	
12.1	Structural Sealant	Dow Corning, Wacker, GE, Fowroc, BASF
12.3	Bitumen Impregnated Board	Shalitek or equivalent
12.4	Polyethylene backer rod	Supreme Ind. Ltd. Or equivalent
12.6	False Ceiling Members (Perimeter, ceiling section, intermediates, angles etc.)	Armstrong, Gyp. Steel of India Gypsum Ltd (Saint Gobain), USG Boral
12.7	Welding rod	ADVANI, Esab, Adorr
12.10	Clamp. Rebar, Chemical fastener	Hilti, Fischer, Wurth
12.11	Anchor Fasteners / bolts	Hilti, Fischer, Halfen
12.13	Dash Fasteners	Hilti, Fischer, Anchor, wurth
12.14	FLOOR HARDENER	PIDITOP 333 (NON – METALLIC) , NITOTOP OF FOSROC , SIKA , FAIRMATE , BASF, CHRYSO, MYK SCHOMBURG

12.17	Weather Silicon make and grade	Dow Corning / Momentive (GE)
12.18	Structural Silicon	Dow Corning / Momentive (GE)
13	<b>Public Health Engg.</b>	
13.1	Vitreous Commodes / wash Basin/	Hindware, Kohler, Jaquar, Roca
13.2	Water supply fixtures / fittings like bib cocks, shower Panels/CP brass fittings/Sanitary Fixtures/ Sink	Jaguar, Roca, Kohler
13.3	GI Pipes	TATA, Jindal, TATA, Prakash Surya
13.4	GI pipe fittings	Zoloto, Unik, HB, ICS
13.5	RCC Pipes	Local ISI mark
13.7	Ductile Iron pipes	Tisco, Jindal, Kesoram, Electrosteel,
13.8	DI fittings	Tisco, Jindal, Kesoram, Electrosteel,
13.9	SCI pipes	Neco, SIF, Hepco, BIC, , electrosteel
13.10	SWR pipes and fittings	Supreme, Astral , Finolex, Prince, AKG.
13.11	CPVC pipe and fittings	Supreme, Astral , Finolex, Prince, AKG
13.12	UPVC pipes	Supreme, prince, Finolex, Prince
13.13	Water supply valves	Zoloto, RB Leader , ARCO
13.14	Kitchen sinks	Nirali or Hindware , Johnson , Franki Diamond, Neelkanth, Jayna
13.15	CI Manhole cover	Neco , BIC, SIF/hepco
13.16	SFRC Cover and grating	Kutty , KK , Advent , Newtech, Pragati
13.17	Air release valves	Kirloskar, RBM, Kartar, ZOLOTO, UNIK, SANT
13.18	CI double flange sluice valve	Kirloskar , RBM , Kartar, ZOLOTO, SANT
13.20	Gun Metal valves	Zoloto, leader, sant, Andco India

13.21	CI Double flanged sluice valves	Kirloskar , IVS , BURN , Zoloto , Leader
13.22	CI Double flanged Non-return valves	Kirloskar, ZOLOTO SANT
13.23	Butterfly valves	KSB, Advance, Kirloskar, SKS, ZOLOTA, SANT
13.26	HDPE Pipes and Fittings	Supreme, Jain Irrigation, AKG
13.28	Ball Valves	SANT, ZOLOTO, NEW
13.31	HDPE Valve Box	MAIS, Saudi Arabia / Rain Bird / Palapast/ Ajay Ind. Corp
13.32	Underground Pipe Protection Wrapping	IWL - Pypkote
13.22	SS grating	Chilly, Camry
	Geyser	Sphere hot / Racold / Usha Lexus /Venus/Bajaj



**NIT No. IIMR/Civil/FY2023-24/OTE/K-93T(Revised ) Dated 20.06.2023 Bill of Qunatity for Civil Work (Exterior/Interior Painting) for Permanent Campus Buildings of Indian Institute of Management, Rohtak at Sunaria Village, Rohtak Annexure A**

S.no	DSR no.	Description	Qty	Unit	Unit Rate (in Rs.)	Amount (in Rs.)
1	2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
2		All kinds of soil.	80	CUM		
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m	50	CUM		
4		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering:		CUM		
5	4.1.3	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	8	CUM		
6	4.1.8	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	5	CUM		
7	5.3	Reinforced cement concrete work in beams, suspended floors, roofshaving slope up to 15° landings, balconies, shelves, chajjas, lintels,bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarsesand(zone-III) derived from natural sources : 3 graded stoneaggregate 20 mm nominal size derived from natural sources)	8	CUM		
8	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :				
9	5.9.3.	Suspended floors, roofs, slabs, landings, balconies and access platform.	40	SQM		
10	5.9.5	Lintels, beams, plinth beams, girders, bressumers, cantilevers, chajjas edges etc.	120	SQM		
11	5.22.6	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
12		Thermo-Mechanically Treated bars.	500	KG		
13	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge. <b>FR Paid (AOR Submitted)</b>	25	CUM		
14	6.1.2	Brick work with FPS bricks of class designation 7.5 in foundation and plinth in:				
15		Cement mortar 1:6 (1 cement : 6 coarse sand)	2	CUM		
16	6.4.2	Brick work with FPS bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
17		Cement mortar 1:6 (1 cement : 6 coarse sand)	88	CUM		
18	6.13.2	Half brick masonry with FPSbricks of class designation 75 in superstructure above plinth level up to floor V level.				
19		Cement mortar 1:4 (1 cement :4 coarse sand)	220	SQM		
20	6.15	Extra for providing and placing in position 2 Nos. 6mm dia. M.S. bars at every third course of half brick masonry (with FPSbricks).	220	SQM		
21		Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters :				
22	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	35	SQM		
23	9.23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (over all area of door shutter to be measured) Over Flush door shutter item.	35	SQM		

24	9.96	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete:				
25	9.96.1	300 x 16mm	24	Each		
26	9.96.2	250 x 16mm	24	Each		
27	9.101.2	Providing and fixing twin rubber stopper aluminium hanging floor door stopper with necessary screws, etc. complete.	24	Each		
28	NS	Providing and fixing PVC Door Buffer (38mm dia) door shutter mounted with necessary screws, etc. complete.	24	Each		
29		Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 15 as per IS : 1868 ) transparent or dyed to required colour or shade with necessary screws etc. complete :				
30	9.97.2	250x10 mm	24	Each		
31	9.97.4	150x10 mm	24	Each		
32	9.100.1	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
33		125 mm	48	Each		
34	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	100	KG		
35	10.13.1	Providing and fixing T-iron/Angle frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws,lugs and applying a priming coat of approved steel primer.				
36		Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	350	KG		
37	8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. (Size of Tile is 300x450 mm)	750	SQM		
38	11.37A	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete.	198	SQM		
39	11.41.2	Providing and laying vitrified tiles in floors in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete.	25	SQM		
40		Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).				
41	11.46.2	Size of Tile 600x600 mm	30	SQM		
42		finishing work				
43	13.1.2	12 mm cement plaster of mix :				
44		1:6 (1 cement: 6 fine sand)	1500	SQM		

45	13.2.2	15 mm cement plaster on the rough side of single or half brick wall of mix :				
46		1:6 (1 cement: 6 coarse sand)	500	SQM		
47	13.11	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand)	2000	SQM		
48	13.26	Providing and applying white cement based putty of average thickness 2 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	25000	SQM		
49	13.83	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour				
50	13.83.2	two coat	182270	SQM		
51	13.85	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content				
52	13.85.2	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	65000	SQM		
53	13.87	White washing with lime to give an even shade :				
54	13.87.1	two coat	2700	SQM		
55	13.88	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc complete	2700	SQM		
56	13.91	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	325000	SQM		
57	13.94	Painting (one or more coats) on rain water, soil waste and vent pipes and fittings with black anticorrosive bitumastic paint of approved brand and manufacture on old work :				
58	13.94.2	100 mm diameter pipes	11000	RM		
59	13.99	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
60	13.99.1	One or more coats on old work	26642	SQM		
61	13.110.	Finishing walls with textured exterior paint of required shade				
62	13.110.1.	Old work (Two or more coats on existing cement paint surface applied @ 3.28 ltr/10 sqm.	86000	SQM		
63	13.112.	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade				
64	13.112.1	Old work (Two or more coats applied @ 1.43 ltr/ 10 sqm) over existing cement paint surface	22258	SQM		

65	14.72	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding. sqm 257.95 Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done	15000	SQM		
66	15.23	Dismantling tile work in floors and roofs/wall cladding laid in cement mortar including stacking material within 50 metres lead. 15.23.1 For thickness of tiles 10 mm to 25 mm	1500	SQM		
67	NS	Providing & Fixing 9"x2", 9"x3", 2.25"x15" or 9"x15", 'CERA BRICK', 7mm thick Exterior matt glazed ceramic body wall cladding tiles in approved shade with specially designed deep grooves on back side of the tile for superior adhesion. The tile should have excellent water absorption ie between 10-15% from back surface to assist superior adhesive bonding with subtract. The tile weight shall be 1kg / Sqft. and have zero water absorption from top surface and should be efflorescence proof. The tiles should be fixed on surface having rough plaster of cement mortar in 1:3 ratio (1 cement : 3 coarse sand) and tiles should be fixed with 1:1 ratio by volume (1 Cement : 1 Fine sand) and Polymix liquid cement admixture (by Unistone or equivalent make), which should be applied by notch trowel. The tiles can also be applied with one componant tile adhesive Unistone Ultimate or equivalent with notch trowel application. The tile adhesive to be mixed with clean water in 1:3 ratio by weight (1 water : 3 Tile adhesive powder).	300	SQM	1,753.62	526,086.00
68		Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt, sliding door handle with locking arrangement etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and paneling to be paid for separately) :				
69	21.1.1.2	For fixed portion				
70		Powder coated aluminium (minimum thickness of powder coating 50 micron)	1150	KG		
71	21.1.2.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately).				
72		Powder coated aluminium (minimum thickness of powder coating 50 micron)	270	KG		
73	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				

74	21.3.2	With float glass panes of 5.5 mm thickness	195	SQM		
75	21.8	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.				
76		Upto 5mm depth and 5 mm width	280	MTR		
77	21.16.2	Providing and fixing aluminium round shape handle of outer dia 100mm with SS screws etc. complete as per direction of Engineer-in-charge				
78		Powder coated minimum thickness 50 micron aluminium	24	Each		
79	17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	12	Each		
80	17.33	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete	12	Each		
81	17.34.1	Providing and fixing toilet paper holder :				
82		C.P. brass	12	Each		
83	NS	Providing and fixing towel ring minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, (Make - Jaquar , Code - AKB -35721)	12	Each		
84	NS	Providing and fixing towel Rail with concealed fittings arrangement of approved quality and colour, (Make - Jaquar , Code - AKB -35711)	12	Each		
85	NS	Providing and fixing Double Coat Hook with concealed fittings arrangement of approved quality and colour, (Make - Jaquar , Code - ACN -1161)	12	Each		
86		Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required -				
87	17.10.1.3	Kitchen sink with drain board				
88		510x1040 mm bowl depth 200mm.	12	Each		
89	17.78	Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/6 litre (adjustable to 4 litre/8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	12	Each		
90	18.49.1	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
91		15 mm nominal bore	15	Each		
92	18.51.1	Providing and fixing C.P brass long body bib cock of approved quality confirming to IS standards and weighing not less than 690 grms.				
93		a) 15 mm nominal bore	15	Each		
94	NS	Providing and fixing of brass single flow shower with revolving ball joint and 190 mm long branch light body shower arm with wall flange. (or equal approved).				
95		Model : Continental				
96		Cat. No. : 1709GA, 477				
97		Colour/Finish : Chrome	12	Each		
98	17.22B	Providing and fixing of 15 mm dia C.P brass mixer with wall flange,of following make. (or equal approved)				
99		Make: Jaquar				
100		Model : CON 219	12	Each		
101	18.52.1	Providing and fixing of 15 mm dia C.P brass concealed stop cock with wall flange,of following make. (or equal approved)				
102		Make: Jaquar				
103		Model : CON-083 KN	25	Each		
104						
105	NS	Providing and fixing of 15 mm dia C.P wash basin Pillar tap with wall flange,of following make. (or equal approved)				

106		Make: Jaquar				
107		Model: CON-021KNG	12	Each		
108	17.22A	Providing and fixing 32 mm C.P. cast brass bottle trap with unions, complete including cutting and making good the walls and floors. all complete				
109		a) 'Make : Jaquar	25	Each		
110	18.53.1	Providing and fixing of 15 mm dia brass angle valve (inlet fitting ball valve type) having strainer screen complete with wall flange of following make and model:(or equal approved)				
111		Make : ARCO, Spain, JAQUAR				
112		Colour/Finish : Chrome	110	Each		
113	NS	Providing and fixing of 15 mm dia, 450 mm long flexible connection pipe having EPDM rubber internal core and stainless steel braided outer sheath complete with C.P brass end nuts, of approved make.				
114		Make: Jaquar				
115		Model: ALD -805B	90	Each		
116	NS	Providing and fixing C.P brass ablution faucet ( health faucet ) comprising hand held shower with operating lever, 1 m long flexible tube and wall hook all complete.				
117		Make : JAQUAR				
118		Model : Continental				
119		Cat. No. : 573				
120		Colour/Finish : Chrome	12	Each		
121	NS	Providing and fixing vitreous china wash basin and special C.I brackets, including C.P. brass waste of standard pattern complete including cutting and making good the walls and floors, wherever required of the following make and type: (or equal approved)				
122		Make : Hindware				
123		Model : Constellation				
124		Cat. No. : 10032				
125		Colour : White	12	Each		
126	NS	Providing and fixing of 15 mm dia C.P wash basin mixer with wall flange,of following make. (or equal approved)				
127		Make: Jaquar				
128		Model: CON-167KNB	12	Each		
129	NS	Providing and fixing of 15 mm dia. C.P. brass wall-mounted Kitchen sink mixer with swivel spout and wall flange of following make.(or equal approved)				
130		Make : JAQUAR				
131		Model : Continental				
132		Cat. No. : 319				
133		Colour/Finish : Chrome	12	Each		
134	NS	Providing and fixing electric water storage heater (geyser) of following capacities including making inlet / outlet connections, of approved makes.(Venus Lyra 25R 2000-Watt Water Heater complete in all respects as per engineer in charge [(Ivory/Orange, BEE Star Rating - 5 Stars) or approved equivalent make / model].				
135		a) Capacity : 25 litre	12	Each		
136		Providing and fixing soil, waste and vent pipes :				
137	17.35.1.2	100 mm dia.				
138		Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989.	150	MTR		
139	17.35.2.2	75 mm diameter :				
140		Centrifugally cast (spun) iron socketed pipe as per IS: 3989	50	MTR		
141	17.37.1	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including cost of cutting holes and making good the walls etc. :				
142		for 100 mm dia pipe	30	Each		
143	17.38.1.2	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete				
144		100 mm dia.				
145		Sand cast iron S&S as per IS - 3989	30	Each		
146	17.38.2.2	75 mm dia.				

147		Sand cast iron S&S as per IS - 3989	15	Each		
148		Providing and fixing plain bend of required degree.				
149	17.39.1.2	100 mm dia.				
150		Sand cast iron S&S as per IS : 3989	30	Each		
151	17.39.2.2	75 mm dia.				
152		Sand cast iron S&S as per IS : 3989	12	Each		
153		Providing and fixing collar				
154		100 mm dia.				
155	17.57.1.2	Sand cast iron S&S as per IS : 3989	20	Each		
156		Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.(i) Single socketed pipes				
157	12.41.2	110 mm diameter	80	MTR		
158		Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.(i) Single socketed pipes				
159		Single pushfit Coupler :				
160	12.42.2.1	75 mm diameter	25	Each		
161	12.42.2.2	110 mm diameter	35	Each		
162	12.42.4.1	Single tee without door				
163		75x75x75 mm	25	Each		
164	12.42.4.2	110x110x110 mm	35	Each		
165		Bend 87.5°				
166	12.42.5.1	75 mm bend	25	Each		
167	12.42.5.2	110 mm bend	35	Each		
168	12.43	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm hard wood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
169	12.43.2	110 mm	20	Each		
170	17.43.1.2	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
171		100 x 100 x 100 mm				
172		Sand cast iron S&S as per IS - 3989	28	Each		
173	17.43.2.2	75 x 75 x 75 mm				
174		Sand cast iron S&S as per IS - 3989	22	Each		
175		Providing and fixing single equal plain junction of required degree :				
176	17.44.1.2	100 x 100 x 100 mm				
177		Sand cast iron S&S as per IS - 3989	32	Each		
178	17.44.2.2	75x75x75 mm				
179		Sand cast iron S&S as per IS - 3989	18	Each		
180		Providing and fixing single unequal plain junction of required degree :				
181		100x100x75 mm				
182		Sand cast iron S&S as per IS - 3989	15	Each		
183	17.49.1.2	Providing and fixing double equal plain invert branch of required degree:				
184		100x100x100x100 mm				
185		Sand cast iron S&S as per IS - 3989	12	Each		
186		Providing and fixing single equal plain invert branch of required degree:				
187	17.50.1.2	100x100x100 mm				
188		Sand cast iron S&S as per IS - 3989	25	Each		
189	17.50.2.2	75x75x75 mm				
190		Sand cast iron S&S as per IS - 3989	15	Each		
191		Providing and fixing terminal guard				
192	17.56.1.2	100 mm				
193		Sand cast iron S&S as per IS - 3989	22	Each		
194	17.56.2.2	75 mm				
195		Sand cast iron S&S as per IS - 3989	15	Each		
196	NS	Providing drip seal joints to sand cast iron / centrifugally cast (spun) iron pipes and fittings of diameter.				
197		100 mm	100	Each		
198		75 mm	20	Each		

199		Providing and fixing M.S. stays and clamps for sand cast iron / centrifugally cast (spun) iron pipes of diameter.			
200	17.59.1	100 mm	20	Each	
201	17.59.2	75 mm	15	Each	
202	18.78	Making chases up to 7.5x7.5 cm in walls including making good and finishing with matching surface for GI/CI pipes etc.	120	MTR	
203		For Waste line in toilets and Kitchen			
204	18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.			
205		For Waste line in toilets and Kitchen			
206	18.12.4	32 mm dia. nominal bore	35	MTR	
207	18.12.5	40 mm dia. nominal bore	20	MTR	
208	18.12.6	50 mm dia. nominal bore	15	MTR	
209	17.60.1.2	Providing and fixing of floor traps formed of Cast Iron 'P' traps complete, including cost of cutting and making good the walls and floors wherever required.			
210		100 mm inlet and 100 mm outlet	25	Each	
211	NS	Providing and fixing S.S. round grating of approved make with round frame, minimum 125 mm Dia overall size, glossy finish including setting in floor with sealant complete in all respects as per engineer in charge. ( GRT-0012 SS Grating Round Frame with Waste Pipe Hole and Locking Mechanism (Hole Pattern) 125mm or approved equivalent)	45	Each	
212	18.70	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with lamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.			
213		Internal work – Exposed on wall			
214	18.7.1	15 mm nominal outer dia .Pipes.	50	MTR	
215	18.7.2	20 mm nominal outer dia .Pipes.	50	MTR	
216	18.7.3	25 mm nominal outer dia .Pipes.	60	MTR	
217	18.7.4	32 mm nominal outer dia .Pipes.	100	MTR	
218	18.7.5	40 mm nominal outer dia .Pipes.	50	MTR	
219		Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge			
220		Concealed work including cutting chases and making good the walls etc.			
221	18.8.1	15 mm nominal outer dia .Pipes.	280	MTR	
222	18.8.2	20 mm nominal outer dia .Pipes.	100	MTR	
223	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	5000	PER LITRE	
224	NS	Providing and fixing of nickel plated brass/ nonferrous alloy fullyway ball valve ( minimum working pressure of 20 bar ) with operating handle of approved make.			
225		15 mm dia	5	Each	
226		20 mm dia	5	Each	
227		25 mm dia	5	Each	
228		32 mm dia	5	Each	
229		40 mm dia	5	Each	
230		Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) around S.W./ C.I./ R.C.C pipes including bed concrete as per standard design :			
231	19.2.2	150 mm diameter S.W. pipe	90	Metre	
232	19.2.4	250 mm diameter S.W. pipe	10	Metre	

233	19.4.1	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :				
234		100x100 mm size P type				
235		With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	15	Each		
236	19.7.1.1	Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand ) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5coarse sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size), inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design :				
237		Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :				
238		With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	3	Each		
239	19.16	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910, on 12 mm dia steel bar conforming to IS: 1786, having minimum cross section as 23 mmx25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	10	Each		
240	19.27.1	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :				
241		With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	4	Each	4,900.88	19,603.52
242	19.9.1.1	Constructing brick masonry circular type manhole 0.91 m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement :4 coarse sand), in side cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design :				
243		0.91 m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg., fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately) :				
244		With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2	Each		

245		Supplying, fixing and commissioning of magnetic float type automatic level controller comprising of magnetic float type level sensors of Stainless Steel (Grade 304) construction (low & high level sensing in over head water tank) and level control unit with manual override facility in a weather proof enclosure (Minimum IP 65 Rating) for auto opening and closing of solenoid valves, including control cabling between sensor, controller and solenoid valves etc, all complete.	2.00	SET		
246		Providing, fixing, wiring and commissioning Solenoid Valves as per following sizes				
247	MR	25 mm dia (ND)	2.00	Nos		
248	MR	32 mm dia (ND)	2.00	Nos		
<b>Total Amount = ( Rs</b>					<b>Only) Excluding GST</b>	