
**CHAUDHARY DEVI LAL UNIVERSITY,
SIRSA (HARYANA).**

TENDER DOCUMENTS

NAME OF WORK	:- Construction of 12 Nos Super H type Houses (i/e Civil, EI & PH work) at CDLU, Sirsa.
APPROXIMATE COST	:- Rs. 170.72 Lac
EARNEST MONEY	:- Rs. 3.42 Lac (Cont.) Rs. 1.71 Lac (Soc.)
TIME LIMIT	:- 12 MONTHS
DATE OF SALE OF TENDER :-	UP TO 5.00 P.M. ON 04.04.2016
DATE OF RECEIVING OF TENDER	:- 05.04.2016 AT 1.30 p.m.
DATE OF OPENING OF TENDER	:- 05.04.2016 AT 3.30 p.m.
COST OF TENDER DOCUMENT	:- RS. 15000/-
UNIVERSITY RECEIPT No.	DATED

ISSUED TO -

**EXECUTIVE ENGINEER,
CHAUDHARY DEVILAL
UNIVERSITY,
SIRSA.**

CONTENTS/INDEX

Sr. No.	DESCRIPTION	PAGE NO	
		From	To
1.	NOTICE INVITING TENDERS	3	4
2.	CHAPTER – 1 (BRIEF SCOPE OF WORK, NOTICE INVITING TENDER AND INSTRUCTIONS TO THE BIDDERS)	5	10
	Rate to be quoted by the contractor for HSR items in single %age i.e. (HSR + CP) ± %age	11	11
3.	CHAPTER – 2 (STORE ISSUE RATE FOR MATERIAL)	12	13
4.	CHAPTER – 3 (ELIGIBILITY CRITERIA)	14	14
5.	CHAPTER – 4 (MEMORANDUM)	15	16
6.	CHAPTER – 5 (DECLARATION OF CONTRACT DOCUMENT BY THE CONTRACTOR / BIDDER)	17	17
7.	CHAPTER – 6 (DEFINITIONS & ABBREVIATIONS)	18	21
8.	CHAPTER – 7 (CLAUSES OF CONTRACT)	22	40
9.	CHAPTER – 8 (SCHEDULE OF ADDITIONAL CONDITIONS)	41	47
10.	CHAPTER – 9 (LABOUR REGULATIONS)	48	50
11.	CHAPTER – 10 (FAIR WAGE CLAUSE)	51	51
12.	CHAPTER – 11 (RULES OF THE PROTECTION OF HEALTH AND SANITARY ARRANGEMENTS)	52	56
13.	CHAPTER – 12 (CEMENT REGISTER)	57	57
14.	CHAPTER – 13 (LIST OF ESSENTIAL EQUIPMENT AND MACHINERY)	58	58
15.	CHAPTER – 14 (EXPLANATORY NOTES (SPECIAL CONDITIONS))	59	62
16.	CHAPTER – 15 (A FORM OF PERFORMANCE BANK GUARANTEE)	63	63
17.	CHAPTER – 16 (PERFORMA OF AGREEMENT, LETTER OF ACCEPTANCE, ISSUE OF NOTICE TO PROCEED WITH THE WORK)	64	66
18.	CHAPTER – 17 (LIST OF APPROVED MAKES)	67	69
19.	SCHEDULE OF DNIT (BILL OF QTY.)	70	100

CHAUDHARY DEVI LAL UNIVERSITY SIRSA
(Established by the State Legislature Act 9 of 2003)

Tender Notice

Sealed Percentage/item Rates tenders are hereby invited on behalf of the Vice-Chancellor, C.D.L.U. Sirsa from the reputed & experienced contractors/firms/L& C Societies duly approved from P.W.D.(B&R) & (P.H.) Haryana, MES, P & T, Railways, C.P.W.D. & other State/Central Govt. Deptts. on the date mentioned against work :

Sr. No.	Name of work	Appx. cost (Rs.)	E/ Money Cont./Soc.. (Rs.)	Cost of tender Form (Rs.)	Last date of sale of tender	Date & time of receiving	Date & time of opening	Time limit
1	Construction of 12 Nos. Super H-Type Houses at CDLU, Sirsa.	170.72 Lac	3.42 Lac 1.71 Lac	15000/-	04.04.2016 upto 5.00 p.m.	05.04.2016 at 1.30 p.m.	05.04.2016 at 3.30 p.m.	12 Months

Conditions :-

1. Earnest money shall be deposited in favour of Executive Engineer, CDLU, Sirsa in the form of DAC/DD/FDR payable at Sirsa in case of purchase of tender from office.
2. Joint venture will not be accepted.
3. The DNIT is made available in the office of the undersigned and can be seen at any time during the office hours.
4. The contractor should quote rates for all HSR items i.e. Civil P.H. & E.I. in single %age above or below (HSR+CP) i.e. (HSR + CP) \pm ___%age and for NS items, contractor should quote rates in bill of qty against each item separately.
5. If the tender date happens to be a holiday then tender will be received and opened on next working day.
6. No condition will be accepted and conditional tenders are liable to be rejected.
7. The University reserves the right to accept or reject any of the tender without assigning any reason and in that situation no claim on any account will be entertained.
8. Contractors/societies should bring enlistment letter in original and submit photocopy of enlistment letter duly attested.
9. Tender by post/telegraphic shall outrightly be rejected.
10. Tender having conditional rebate shall be considered as invalid and shall be outrightly rejected.
11. Time limit is utmost important in this case and only those agencies should come forward who can finish the work well in time.
12. Only those contractors / firms / L&C societies should come forward who have already done similar nature of work.
13. The contractors / firms / L&C societies should be registered with EPF, ESI, Income tax, Sale Tax and Service Tax department. The copy of proof should be enclosed with tender at the time of submission of tender.
14. Bids would require to be valid for 120 days from the date of submission. The bid for the work shall remain open for acceptance during the bid validity period to be reckoned from the date of submission. If any bidder withdraws his bid during bid validity period, any modification in the terms and conditions of the bid, the said earnest money shall stand forfeited.
15. The applicant should have experience of having successfully completed similar works during last 5 years ending last day of month previous to the one in which applications are invited should be either of the following:
 - i. Three similar completed works costing not less than the amount equal to 25% of the estimated cost.
 - ii. Two similar completed works costing not less than the amount equal to 33.3% of the estimated cost.
 - iii. One similar completed work costing not less than the amount equal to 40% of the estimated cost.
16. The tender shall be submitted by the bidder in the following two separate envelopes system:

1. Envelope 'A' – Earnest Money Deposit and eligibility criteria Envelope

DAC/DD/FDR for EMD in favor of Executive Engineer, CDLU, Sirsa payable at Sirsa, Tender Fee and self-attested Photocopies of PAN Card, enlistment and all the documents in support of eligibility criteria.

2. Envelope 'B' – Price Bid Envelope

The envelope should contain price bid on the prescribed Performa and no other document. The bidders should submit their tender document as per the dates mentioned in the schedule above.

In the first instance, the Envelop -'A' of all the Bidders containing the Earnest Money and documents supporting eligibility criteria shall be opened on the date of receipt of tenders. If the Earnest Money and eligibility of bidder is found proper, the envelop 'B' containing financial bids shall be opened in the presence of such bidders who either themselves or through their representative choose to be present. The financial bid shall be opened only if the bidders meet the eligibility criteria as per the Bid document. The date of opening of Envelope 'B' shall be intimated to the bidders who qualify Pre-qualifications criteria.

17. (a) The agency whose bid is considered acceptable shall furnish an irrevocable performance security in the shape of bank guarantee/FDR equal to 5% of the tendered cost of any scheduled bank in favor of Executive Engineer, CDLU, Sirsa before issue of allotment letter. The allotment of work shall only be issued on receipt of bank guarantee/FDR. The bank guarantee/FDR shall be valid for a period of defect liability period + 30 days beyond completion period. The bank guarantee/FDR is required by the University for the Successful Performance of this contract and to cover the liquidated damages specified in the tender documents in case of breach of the contract by the contractual agency.
- (b) Time is the essence of this contract. No extension in stipulated time of completion shall be granted. In case the contractual agency fails to complete the work within the stipulated time, the bank guarantee so furnished is liable to be forfeited and reimbursed in favor of the University without any notice.
18. For tender documents, guide lines and other information, the interested contractors/firms /societies may contact in the office of the Executive Engineer, CDLU, Sirsa during working hours or contact on **Telephone No.01666-239803.**

-Sd-

EXECUTIVE ENGINEER

CHAUDHARY DEVI LAL UNIVERSITY, SIRSA (HARYANA).

CHAPTER - 1

BRIEF SCOPE OF WORK, NOTICE INVITING TENDER AND INSTRUCTIONS TO THE BIDDERS

Percentage/item rate based tender for the work of Construction of 12 Nos Super H type Houses (i/c Civil, EI & PH work) at CDLU, Sirsa.

Sealed Percentage Rates/item rates Tenders are hereby invited on behalf of the Vice – Chancellor, C.D.L.U. Sirsa from reputed & experienced contractors/firms / L& C societies ties duly approved from P.W.D.(B&R) Haryana, MES, P & T, Railways, C.P.W.D. & other state/central Govt. depts. in such jobs. The bid documents will be issued to the eligible bidders who submit their eligibility proof along with application. The tender documents may be purchased from the office of the Executive Engineer, CDLU on cash payment of Rs. 15000/-only on account of cost of tender. In case tender documents are downloaded through internet, cost of tender document i.e. Rs. 15000/- will be submitted with the bid in the shape of demand draft in favour of The Registrar, CDLU, Sirsa payable at Sirsa. Earnest money in the shape of DAC/Demand Draft issued in favour of Executive Engineer, CDLU payable at Sirsa (Haryana) will be deposited in the office of the Executive Engineer, CDLU, Sirsa at the time of purchase of tender alongwith application requesting issue of tender by the contractor. The applicant shall not become automatically entitled for issue of tender by virtue of enclosing demand draft of requisite earnest money along with the application and accepting officer shall reserve the right to deny issue of tender document to any applicant contractor. Cost of tender document shall be non-refundable, if application for issue of tender document is accepted and tender document is issued to the contractor. However, cost of tender document shall be returned to the applicant by the accepting officer in case tender document is not issued. The contractor shall bear the cost of bank charges for procuring and encashing the bank draft and he shall not have any claim, what so ever on this account on University if his application is not considered for issue of tender document.

Submission of Tender

In the absence of earnest money, tender documents/price bid will not be opened. Tender documents duly filled alongwith price Bid in an Envelope clearly marking the name of agency and name of work should be reached in the office of the Executive Engineer, CDLU on or before prescribed time alongwith proof of eligibility, if required. The tender documents will only be opened if the contractual agency fulfils the conditions.

2. Scope of work, Completion time and Earnest money deposit

S. No	Name of work	Brief scope of work	Completion Time	Earnest Money
1.	Construction of 12 Nos Super H type Houses (i/c Civil, EI & PH work) at CDLU, Sirsa.	As per DNIT	12 Months	3.42 lac 1.71 lac

Detailed Scope of work and specifications are given in the Bid document. The quantities and scope of work can be increased or decreased by the Engineer-in-charge without assigning any reason.

3. The bidder should also have suitable qualified technical personnel, with adequate experience for management and execution of work.
4. The bid documents can be purchased from the office of the undersigned on any working day during office hours up to 5.00 p.m. and the last date of the sale of tender is 04.04.2016 upto 5.00 p.m.
5. Contractors are advised to collect and submit the Tender Documents in person.
6. The last date for submission of bids is 05.04.2016 up to 1.30 p.m. The bid of eligible bidders will be immediately opened in the presence of bidders/their representatives. In case public holiday falls on the date of opening of tenders, then the bids shall be opened on next working day.
7. Defect liability shall be for a period of one year (12 months) after the completion of work i.e. from the date of final checking, of the complete work.

8 Time Schedule and Earnest Money Deposit

General information on the location, scope and duration of the contract and other relevant data are attached in the **Volume II** contained with the document.

9. The Executive Engineer, CDLU, Sirsa, shall reserve the right to reject any or all the tenders without assigning any reason whatsoever and his decision shall be final and binding. No Contractor shall have any claim arising out of such action.
10. Contractors are advised to visit and examine the site where the works are to be carried out and its surrounding and obtain for themselves, on their own responsibility, all information and satisfy himself about the conditions prevalent there w.r.t execution of works as per the scope of work. No claim, whatsoever on any accounts shall be entertained by the CDLU, Sirsa in any circumstances.
11. Contractor is expected to examine all instructions, forms, terms, clauses, requirements and other information in the Tender Document. Failure to furnish all information as required in the tender document or submission of bid not substantiated to the tender documents in every respect will be at the Contractor's risk and may result in rejection of the bid.
12. The offer shall remain open for Acceptance for a period of 120 days from the date of first opening of the tender. The earnest money shall be forfeited if the Tenderer / Contractor withdraws or modifies his offer within the validity period at his own or fails to sign the (Formal Contract) agreement after acceptance of his offer within 21 days. After the forfeiture of earnest money, the contract shall be immediately nullified.
13. Address for communication, collection and submission of bids:
The Executive Engineer,
Chaudhary Devi Lal University,
Barnala Road, Sirsa (Haryana).
Ph.: 01666-239803
14. On acceptance of the tender, the Contractor shall either himself remain available at site of work or arrange the availability of an accredited representative, legally authorized in writing at the site of work to receive instructions of the Engineer-in-charge or his representative and to ensure prompt compliance thereof.

15. The CDLU does not bind itself to accept the lowest rate or any tender and reserves to itself, the right of accepting the whole or part of the tender and Tenderer/ Contractor shall be bound to perform the same at the accepted rates.
16. Sales Tax/ VAT/ Octroi / Service Tax or any other tax on the material or the turnover shall be payable by the Contractor and CDLU will not entertain any claim in this respect. At any stage if Govt. of India/Haryana impose any new or increase the rate of present tax, the responsibility shall be held with the contractor. No payment of such type of tax will be paid by the university.
17. The Contractor shall comply with the provisions of the Apprentices Act 1961, minimum wages Act 1948, Workmen's compensation Act 1923, contract labour (Regulation and Abolition Act 1970), payment of wages Act 1936 Employer's liability Act 1938, Maternity Benefits Act 1961 and the Industrial Disputes Act 1947 as applicable and the rules and regulations and amendments issued there under from time to time. Failure to do so shall amount to breach of the contract and the Engineer-in-charge may at his discretion terminate the contract. The Contractor shall also be liable for any pecuniary loss/liability arising on account of violation by him of the provision of the aforesaid Acts.
18. The Tenderer/ Contractor shall bear all costs associated with the preparation and submission of his tender and the University shall in no case be liable for these costs.
19. Each Tenderer/ Contractor shall submit only one tender for one work. Violation of this will lead to his disqualification.
20. Unless otherwise stated, the contract shall be for the whole work as described in the "Scope of Work" and the drawings. The Contractor shall be bound to complete the whole work as described in the scope of work and the approved drawings, including the additional items if any, as per drawings and instructions within the stipulated time. The certificate of completion as issued by the Engineer-in-charge shall be the conclusive proof of completion of work.
21. The tender shall be typed or written in ink and shall be signed by the Tenderer/ Contractor or a person or persons duly authorized to sign on behalf of the Tenderer/ Contractor. He shall sign all pages of the tender documents containing the entries and all corrections made there in including drawings.
22. Incomplete tenders or tenders not fulfilling any of the conditions specified above, are liable to be rejected without assigning any reason.
23. Whenever required under Government regulations, it shall be incumbent on the successful Contractor to pay stamp duty on the contract agreement, as per ruling on the date of execution of the contract agreement.
24. A set of tender documents issued for the purpose of bidding includes the following volumes, together with any Addenda thereto
 - Vol.-I: Notice Inviting Tender, Instruction to Contractors and Clauses of Contract.
 - Vol.-II: Price schedule (DNIT)
25. Contractors shall carefully examine the Tender Documents and fully converse themselves about all the conditions and matters, which may in any way, affect the

work or the cost thereof. If the Contractor finds discrepancies or omission in the specifications or other documents or should he be in doubt as to their meaning, he may discuss with Engineer-in Charge during office hours on any working day before submitting his bid.

26. At any time prior to the deadline for submission of Bids, the Executive Engineer may, for any reason, whether at his own initiative or in response to clarification requested by prospective Contractors modify the Tender Documents by issuing Addenda.
27. Such Addenda will be sent to all prospective Contractors who have received the Tender documents and will be binding upon them. The Contractors shall duly sign and return the Addenda along with their Bids, which shall form a part of their Bids. Non-receipt of addenda by the Contractors will not form basis for any claim whatsoever.
28. In order to afford prospective Contractors reasonable time in which to take such Addenda into account in preparing their Bids, the Executive Engineer may at his discretion extend the deadline for the submission of Bids.
29. No alteration whatsoever be made in the text of the Bid form by the Contractor. Any remark/deviation or explanation should be sent in a covering letter. The contract form of agreement is bound up with other Documents so that the Contractor may know what their liability and duties are and the entire Bid form should be submitted to the Executive Engineer while submitting the Bid.
30. The Bid prepared by the Contractor and all correspondence and Documents relating to the Bid exchanged by the Contractor and the Executive Engineer shall be written in English Language. Supporting Documents and printed literature furnished by the Contractor with his Bid may be in another language provided they are accompanied by an appropriate translation of the same into English language. The failure to comply with this condition may cause rejection. For the purpose of interpretation of the Bid, the text in the English language shall prevail.
31. The price bid should be submitted as per the Price Schedule and should conform to the scope of work, specifications, make and conditions given in Volume-II. The Price Bid will contain only Price and break-up for schedule of payment. Conditional Price bid shall be rejected and Contractor will be disqualified.
32. Unless stated otherwise in the Tender Documents, the Contract shall be for the whole work as described in Vol.-II. (Scope of Work, Technical Specifications including Preliminary Drawings).
33. The Contractor shall quote for the entire works on a “single responsibility” basis such that the total price covers all the Contractor’s obligation mentioned in or to be reasonably inferred from the tender documents in respect of the design, drawings including procurement, delivery, construction, erection and completion of works. This includes all requirements under the Contractor’s responsibilities for testing and commissioning of the works.
34. The unit rates and prices shall be quoted by the Contractor entirely in Indian Rupees. All payments to the successful Contractor under the proposed contract shall be made entirely in Indian Rupees (Rs.).
35. No interest shall be paid on Earnest Money/Security Deposit.
36. In exceptional circumstances, prior to expiry of the original Bid validity period, the Executive Engineer may request the Contractor for a specified extension in the

period of validity. The request and the response there-to shall be made in writing. A Contractor agreeing to the request will not be permitted to modify his bid on his own but will be required to extend the validity of his Bid and Bid Security correspondingly.

The provision regarding discharge and forfeiture of bid security shall continuously apply during the extended period of bid validity.

37. If the Bid is made by a limited company or a limited corporation, it shall be signed by a duly authorized person holding power of Attorney for signing the Bid in which case a certified copy of the Power of Attorney shall accompany the Bid.
38. All witnesses and sureties shall be persons of status and probity and their full names, occupations and addresses shall be stated below their signatures.
39. To assist him in the examination, evaluation, and comparison of Bids, the Executive Engineer may ask Contractors individually for clarification of their Bids including breakdown of unit rates / prices. The request for clarification and the response shall be in the writing, but no change in the prices or substance shall be sought, offered or permitted on Contractors desire except as required to confirm the correction of arithmetical errors discovered by the Executive Engineer during the evaluation of Bids.
40. Bids determined to be substantially responsive will be checked by the Executive Engineer for any arithmetical errors in computation and summation. Error will be corrected by the Executive Engineer as follows:
Where there is a discrepancy between amount in figures and in words, lower amount will govern.
41. One set of drawings and all other documents relating to the works under contract shall be kept at the site office and made readily available for discussions, examinations of the Engineer or his representatives along with the testing equipment and machinery.
42. As soon as the notice to proceed with the work is issued to the Contractor/ Bidder, he will submit to the Engineer-in-Charge his program to complete the works by the time indicated in the contract, in the form of a Bar Chart for review of the Engineer-in-Charge and make suggested modifications before his approval of the same. The approved bar chart shall be diligently and strictly followed with a view to complete the works as per schedule. The progress & planning of works shall be reviewed from time to time and he may modify the same depending upon the exigencies of the work and stage of the works.
43. Contractor/ bidder is advised to read carefully all chapters and give complete information regarding his proposals, substantiating the same with calculations, drawings literature, with clear reference to any standards adopted (which are not mentioned in the tender), in such manner that there is no ambiguity or nothing is left to chance. All relevant information, so as to make the proposal understandable shall be given. Vague remarks and remarks like "will be given later" are not acceptable. If in the opinion of the Engineer-in-charge, the proposal is grossly incomplete, this will form sufficient reason for complete rejection of the tender on technical grounds.
44. Contractor/ bidder shall note that this is a Percentage/Item rate tender. The Contractor shall give rate as per volume - II for evaluation of tender and to facilitate schedule of payments. However, his proposal is subject to scrutiny and approval. He shall therefore take utmost precaution to offer very standard Equipment manufactured by only reputed manufacturers (wherever the makes are

- specified in the DNIT, the same shall be offered).
45. The Contractor should note that after the tenders are opened, all modifications, corrections, changes shall be carried out entirely to the satisfaction of the Engineer-in-Charge at no extra cost to CDLU, Sirsa. The Contractor/ bidder shall not be allowed to change the price quoted on his own.
 46. All the equipment/machinery supplied shall be guaranteed for Six (6) months after the commissioning of work. All defects shall be rectified to the entire satisfaction of the Engineer-in-charge. Damaged or non-working parts shall be replaced at no extra cost to CDLU, Sirsa. Defect liability shall be for a period of minimum 1 year after the completion of work i.e. from the date of final checking testing and commissioning of the complete work.
 47. Electric Connection or generator set required for the execution of work shall be arranged by the Contractor/ bidder at his own expenses.
 48. The intending Contractors shall fill in rate at its appropriate places in words & figures. *Items for which no rate or price is entered by the bidder will not be paid for by the Employer and considered as nil rate.*
 49. Rates should be quoted by the tenderer both in word and in figure, in case of any difference between the two, the lower of the same shall be considered as final rate.
 50. Analysis of rates for non-schedule / non agreement items i.e. items which are not provided in the Notice Inviting Tender / Haryana PWD Schedule of Rates, 1988 2nd editions corrected upto date shall be payable as per actual lowest market rates from the recognized public market suitable to the executing division and wages of labour as applicable at the time of execution of work, plus admissible contractors profit and over head charge. For such items of materials the contractor shall be required to produce original vouchers which shall be subjected to verification by the Engineer-in-Charge. The rates for non-schedule items shall be approved by the competent authority.
 51. The canal based drinking water is being supplied in the university from its water treatment plant. The contractor/agency shall make own arrangements to take water from the existing nearest water pipe line upto the site in lieu of it charges @ 0.50% of the work done shall be deducted in case of work is executed on through rates and 1.75% for the work done in case work is executed on labour rates.
 52. No claim shall be entertained if the work has to be curtailed/stopped due to any unavoidable circumstances.
 53. The tender should accompany the partnership deed or registration certificate of the firm or company as the case may be.
 54. Details of estimate as per schedule attached from page 78 to 100.
- Total estimated Cost Rs. 170.72 lac.

Rates to be quoted here by the contractor for HSR items

Sr. No.	Sub Head of Estimate	Rate	Per	Item No. Estimate	Sub Head of Rate

Certified that this D.N.I.T. contains 100 Pages.

55. This tender documents issued by this office contains page 1 to 100.

HDM

Witness

Executive Engineer

CHAPTER – 2

Schedule showing (approximately) material to be supplied from the University Construction Division for works contracted to be executed and the Rates at which they are to be charged for.

Particulars	Rates at which the material will be issued to contractor	Place of delivery
-------------	---	-------------------

--Deleted--

The following materials will be issued Ex. University store at the Rates shown against each plus 3% storage charges.

1. Ordinary Portland/Pozzolana Portland cement Packed in gunny bags/paper bags.	@ Rs.N/A.....	per bag including Storage charges.
2. Mild Steel 'Tor' bard (all dia)	@ Rs.N/A.....	(For metric Tonne)
3. Mild/TMT bars (All dia)	@ Rs..... N/A	(For metric Tonne)
4. Bitumen 80/100 Penetration	@ Rs..... N/A	(For Metric Tonne)

CONDITIONS

1. Cement will be supplied to the contractor in standard packing in bags as received from the Suppliers.
2. The issue of cement bags shall be governed as per latest I.S.1. Code.
3. No claim whatsoever on account of delay in supply of the above material will be entertained by the University.
4. No claim will be entertained for damage or loss of material in custody of the contractor due to rains, floods or any other act of God.

Note :- The person or firm submitting the tender should see that the rates in the above schedule are filled up by the Engineer-in-charge on the issue of the form prior to submission of the tender.

BROAD SEPECIFICATION/CONDITION OF VARIOUS MATERIAL TO BE ARRANGED AND USED BY THE CONTRACTOR / BIDDER

1. STEEL

The steel to be used for the work shall be T.M.T. steel as per I.S.1786 Fe. 500 instead of cold twisted Deformed (Ribbed/Tor Steel) and the same will be used by the agency from either of Company TISCON, SAIL, RINL as approved by Engineer-in-Charge equivalent as per IS code 1786. TATA (TISCON) will be used. In case TATA (TISCON) is not available, preference will be given to RINL/SAIL.

2. Cement

I.S.I. marked 43 grade ordinary Portland cements as per I.S. 8112 (Latest) packed in HDOE bags of 50kg each from the reputed firm from Birla , J.K., Ambuja, J.P. or as approved by Engineer-in-Charge is to be used by the Contractor/ bidder Pozallana, Portland cement can be used only in non RCC work.

3. Test certificates from Shri Ram Test House or any other approved test centre by Engineer shall be supplied by the agency for each lot of material and the cost thereof shall be borne by the agency.
4. Payment of items involving use of cement, steel will be made to the agency only if original voucher or bill of purchase is supplied to the Engineer-in-Charge.
5. No Payment of items involving use of cement steel and other material will be made to the agency if is brought from any other manufacturer other than mentioned in this DNIT and item thus executed will be rejected and no payment will be made for such items.
6. Marble, Dholpur, Kotah or any other type of stone should be used in the work as approved by the Engineer-in-Charge.
7. In case factory manufactured items, the contractor will get the name of manufactures and a warranty certificate in favour of Engineer-in-Charge. In case of doors shutters the type of wood used shall also be given by the manufacturer.
8. All material which will be brought to the site either should be got tested at site or a test certificate from the manufacturing will be produced by the contractor. In case Engineer-in-Charge is not satisfied with certificate produced by the contractor then the material will be sent to a reputed laboratory for testing as desired by the Engineer-in-Charge and charges there of shall be borne by the Engineer-in-Charge and if the result of the laboratory viz-a-viz to test certificate are satisfactory.
9. In case sample is not found up to the specification than the testing expenditure will be borne by the agency and material is to be replaced.
10. If test certificate is not produced by the contractor/manufacturer the same will be got tested at the frequency as in I.S. code/laboratory manual/PWD specification and entire expenditure will be borne by the agency.

CHAPTER – 3

Eligibility criteria

1. Contractors/societies will submit the self attested copy of enlistment letter, PAN Card etc. with the bid document.
2. The downloaded bid shall be accepted with the EMD and tender fee in the shape of Bank Demand Draft payable at Sirsa and without EMD & tender fee, bid shall be rejected
3. The applicant should have experience of having successfully completed similar works during last 5 years ending last day of month previous to the one in which applications are invited should be either of the following:
 - i. Three similar completed works costing not less than the amount equal to 25% of the estimated cost.
 - ii. Two similar completed works costing not less than the amount equal to 33.3% of the estimated cost.
 - iii. One similar completed work costing not less than the amount equal to 40% of the estimated cost.

Cost of work shall mean gross value of the completed work. This should be certified by an officer not below the rank of Executive Engineer/ Project Manager or equivalent (calculated on the basis of 10% value added compounded per year). The given below format shall be filled by the bidder in support to works executed.

Project Name	Name of the Employer	Description of work	Contract No.	Value of Contract (Rs. crore)	Date of issue of work order	Stipulated period of completion	Actual date of completion*	Remarks explaining reasons for delay & work Completed

**Attach certificate(s) from the Engineer(s)-in-Charge*

4. The applicant should have minimum Average Annual financial turnover during the last 3 years, ending 31st March of the previous financial year, should be at least 30% of the estimated cost. This should be duly audited by a Chartered Accountant (10% compounded value per year to be added) in the case of tender costing more than Rs.100.00 lacs.

CHAPTER - 4

MEMORANDUM ON ESTIMATED COST, EARNEST MONEY DEPOSIT, SECURITY DEPOSIT, PERFORMANCE GUARANTEE DEPOSIT

FOR

PERCENTAGE/ITEM RATE TENDER FOR WORKS

I/we hereby offer to execute for the CDLU, Sirsa the work, specified in the under written Memorandum within the time specified in such memorandum at PERCENTAGE/ITEM RATE Basis entered in the Price Schedule (Vol.-II) referred to the "Notice Inviting Tender" and annexed here to and in accordance with all respects, with the specifications, design, drawings and instructions in writing and "Conditions of Contract" and with such material as are provided for and in all other respects in accordance with such conditions so far as applicable.

Memorandum

General description

Name of work:- Construction of 12 Nos Super H Type houses (i/c Civil , EI & PH work)at CDLU, Sirsa.

- | | |
|--|--|
| a) Estimated amount | Rs. 170.72 lac |
| b) Earnest money | Rs. 3.42 Lac / 1.71 Lac |
| c) Security deposit | 10 % shall be deducted from running bills subject to maximum 5% of the agreement amount. |
| d) Time period | Twelve months. |
| e) Taxation Percentage if any to be deducted from running bills. | Income Tax, Work Tax and any surcharge or any other tax as applicable from time to time. |

1% Labour cess shall be charged.

Should this offer be accepted in whole or in part, I/we hereby agree to abide by and fulfil all the terms and provisions of the said conditions of contract and all the terms provisions contained in the detailed "Notice Inviting Tender" and /or in default there to forfeit and pay to CDLU, Sirsa or his successors in office, the sum of money mentioned in the said conditions.

A sum of Rs. _____ is hereby forwarded in the shape of crossed demand draft No. _____ dated _____ drawn in favour of EXECUTIVE ENGINEER CDLU, Sirsa payable at Sirsa as Earnest money.

I/we agree that the full value of Earnest money will be forfeited without prejudice to any other right of remedies to the CDLU, SIRSA or his successor in office, should I/we (i) withdraw or modify my/our offer during the period of validity or (ii) fail to sign the contract agreement after acceptance of the offer within 21 days or (iii) fail to commence the work within time specified in the notice to proceed with the work, otherwise the said Earnest money shall be retained by CDLU, Sirsa towards security deposit against clause

(b) of the above memorandum.

Dated -----

Signature of the Contractor/ bidder.

Witness -----

Address -----

Address -----

Occupation -----

Telephone -----

The above offer is hereby accepted by me on behalf of the Vice – Chancellor, CDLU, Sirsa (Haryana).

Signature

Designation:

Dated -----

CHAPTER - 5

DECLARATION OF CONTRACT DOCUMENT BY THE CONTRACTOR/ BIDDER

1. I/we _____ have read the general and special conditions of the contract which are appended to the Bid and I/we agree to the conditions laid therein if the contract is awarded to me/us.
2. I/we have also read the specifications, studied the preliminary drawings, understood the scope of work included in the Bid and to be executed by us.
3. I/we have visited the site of works and am/are well acquainted with the local practices, availability of the materials and labour and their prevailing market rates
4. I/we agree to abide by the University rules regarding deductions made in the bills like income tax, sales tax, security deposits etc.
5. I/we shall not ask for revision of rates due to any escalations in rates of materials or labour in the rates quoted by me/us in this offer through out the period of construction and completion of the works.
6. I/we undertake to complete the works and hand-over the same within the stipulated/allotted time for the completion of the works in good workmanlike manner. We further undertake to operate and maintain the assets created under this contract for a period of one year from the date of completion/acceptance which ever is later.
7. The Price Offer is valid for a period of 120 days from the date of first opening of tender.
8. I/we stand guarantee for the rectification of the defects in the works if any to the full satisfaction of the Engineer-in Charge as per clauses of agreement.
9. I/we have no doubts or un-cleared ambiguities regarding the specifications, details in the preliminary engineering drawings, scope of the works, and have fully understood our responsibilities in executing and completing the works to the full satisfaction of the CDLU, Sirsa.
10. I/we have based our Bid rates having the full knowledge of the statements and facts.

Place: -----

Signature -----

Date: -----

Name -----

Address -----

Witness:

Name -----

Address-----

CHAPTER - 6

DEFINITIONS AND ABBREVIATIONS

Definitions

In this contract as here in after defined, the following words and expressions shall have the meanings hereby assigned to them (except where the context requires otherwise):

1. The "Work" means the works as *desired* in the tender documents issued for the purpose of bidding.
2. The "Contract" means the documents forming the tendered offer and acceptance there of constituting a binding contract between the CDLU, Sirsa, and the Contractor/ bidder. The tender documents including the conditions, the preliminary/approved engineering drawings, design and specifications supplemented with instructions issued from time to time by the Engineer-in-charge shall be binding on the parties in the stated order of precedence. All these documents taken together with the tendered offer and its acceptance shall be deemed to form the contract and shall be complementary to one another.
3. The "Common Schedule of rates" Shall mean a last printed document containing rates of different items of works pertaining to different Branches of PWD i.e. Irrigation, B&R (Building & Roads Branch) and Public Health Branch and approved by the committee on direction of Chief Engineers of these PWD Branches and the Haryana Government.
4. Completed works shall mean the work completed in all respect as per laid down specifications, approved drawings, approved NIT to the entire satisfaction of the Engineer-in-charge.
5. The "Contractor/ bidder" shall mean the individual or firm or company whether incorporated or not undertaking the work and shall include the legal personal representative or the persons comprising such firm or company or the successors of such firm or company as well as the assignees of such individual or firm or company whose tendered offer has been accepted.
6. The "Completion date" is the date when the Engineer-in-charge certifies that the work has been completed satisfactorily.
7. "Communication between parties are the written and signed letters, notices, reminders, memorandum and instructions recorded in the instruction book or books kept at site.
8. "Days & months" are calendar days and calendar months.
9. "CDLU, SIRSA" means Chaudhary Devi Lal University, Sirsa .
10. Owner' or 'University' or 'Client' means Chaudhary Devi Lal University, Sirsa (CDLU), Sirsa (Haryana).

11. The “Engineer-in-charge “ mean the Executive Engineer who shall supervise the work and administer the contract with the assistance of his authorized subordinates who shall be in-charge of the work and who shall sign the contract on behalf of the CDLU, SIRSA.
12. “Vice – Chancellor” means the Vice – Chancellor of CDLU, SIRSA (Haryana).
13. Registrar means the registrar of CDLU, Sirsa (Haryana).
14. The “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 which may be allowed to be used for the purpose of carrying out the contract.
15. The “Start date” is the date when contract came in to existence upon the issue of “letter of acceptance” by the Engineer-in-Charge and as notified in the letter of allotment.
16. “Scope of Work” shall mean the items of work to be executed at site of work pertaining to work allotted to the Contractor/ bidder.
17. The “Works or work” shall unless the context otherwise requires mean what the Contractor/ bidder is required to execute and hand over the same to CDLU, SIRSA.
18. “Sub-contractor” means any person, firm or company other than the Contractor/ bidder named in the contract for any part of the work, or any person to whom any of the works /part of the works included in the contract has been sublet by the Contractor/ bidder with the consent in writing of the Engineer-in-Charge.
19. ‘Tender’ means the documents issued by CDLU, SIRSA,
20. ‘Bid’ means the documents submitted by Contractor/ bidder to whom tender has been issued.
21. ‘Contractor’ means the Contractor/ bidder/agency who submits the bid against the invitation for bid.
22. ‘Award’ means the written acceptance of bid by the CDLU, SIRSA, to the successful Contractor.
23. The words University and Executive Engineer, CDLU, Sirsa and his representatives have been used interchangeably at places and mean the same, i.e., the Engineer, or his representatives.
24. “Consultant” means the consultant appointed by the CDLU, SIRSA for the purpose of providing consultancy services.
25. “Government” means the Govt. of India/Govt. of Haryana.
26. “Drawings” means the drawings referred to in the list of drawings attached to the tender and any modification of such drawings approved/issued in writing by the

Engineer-in-charge and such other drawings as may from time to time be furnished or approved in writing by the Engineer.

27. The “contract sum” means the sum identified in the contract for the completion of works as per contract.
28. “Contractor/ bidder’s equipment” means all appliances or machinery of whatsoever nature materials or other things intended to form or forming part of the works.
29. “Portion of the work” means a part of the work or section of the work.
30. “Specifications” and “particular specifications” means the regulating guidelines contained in the Haryana PWD specifications, Manual of Sewerage and Sewage Treatment, Manual on Water Supply and Treatment published by the Central Public Health and Environmental Engineering Organization (CPHEEO) under the Ministry of Works and Housing, Indian Standard specifications and codes, all of latest editions and those contained in the tender documents and also those based on good engineering practices.
31. “Time for completion” means the time as stipulated for completion of the works or any section or portion there-of as stated in the contract or as extended under clause and shall be calculated from the date specified in the contract. It will be the date when the contract enters into force for fulfillment of any obligation as per necessary legal, financial or administrative requirements.
32. “Defect liability period” i.e. minimum 12 months means the period after actual completion of work as mentioned in clause 7 of Chapter ‘A’ during which the Contractor/ bidder will carry the full liability to make good to the complete satisfaction of the Engineer-in-Charge, any defects in the completed work or any bad work.
33. “Cost” means the amount which shall be deemed to include all overhead costs whether incurred on or off the site, all taxes, excise duties, royalties etc. as applicable on the materials, labour or any other item which is required to complete the works.
34. “Temporary Works” mean temporary works of every kind required in or about the execution of works.
35. “Permanent Works” mean the permanent works to be executed and maintained in accordance with the Contract.
36. “Construction / Working Drawing of a particular component / item / equipment of the means the detailed engineering drawing of that item submitted by the Contractor/ bidder and approved by the Engineer-in-charge, CDLU, SIRSA, prior to construction / fabrication / erection of that component, and based on which the same shall be carried out.
37. “As-built Drawing of a particular component / item / equipment means the engineering drawing submitted by the Contractor/ bidder prior to commissioning,

showing the actual details on which the construction / fabrication / erection of that particular item has been carried out.

Note: - In interpreting these “Clauses of contract” singular also means plural, male means female and vice versa.

Abbreviations

The abbreviations used in the tender documents or any other correspondence will stand for the full forms given as under:

AAP	=	Alarm Annunciation Panels
AC	=	Asbestos Cement
ACB	=	Air Circuit Breaker
CDLU	=	Chaudhary Devi Lal University
CI	=	Cast Iron.
CPCB	=	Central Pollution Control Board
CPHEEO	=	Central Public Health and Environment Engg. Organization
DG	=	Diesel Generator
DI	=	Ductile Iron
DPR	=	Detailed Project Report
E&M	=	Electrical and Mechanical
FSL	=	Full Supply Level
GL	=	Ground Level
GOI	=	Government of India
GSW	=	Glazed Stone Ware
HDPE	=	High Density Polyethylene
HFL	=	Highest Flood Level
HRT	=	Hydraulic Retention Time
LPCD	=	Litres per Capita per Day
MLD	=	Million Litres Per Day
MOEF	=	Ministry of Environment and Forests
MPS	=	Main Pumping Station
MS	=	Mild Steel
MSL	=	Mean Sea Level
O&M	=	Operation and Maintenance
OHSR	=	Over Head Service Reservoir
PFR	=	Project Feasibility Report
PIDB	=	Punjab Infrastructure Development Board.
RCC	=	Reinforced, Cement Concrete.
SS	=	Stainless Steel
STP	=	Sewage Treatment Plant
T&P	=	Tools and plant
TOR	=	Terms of Reference
SW	=	Stoneware

CHAPTER - 7

CLAUSES OF CONTRACT

CLAUSE-1

For all works, 10% security shall be deducted from running bills subject to a maximum 5% of the agreement amount

The person/ persons whose tender may be accepted (hereinafter called the contractor) shall permit University at the time of making any payment to him for work done under the contract to deduct such sum as will (with the earnest money deposited by him) amount to 10% from running bills subject to a maximum 5% of the agreement amount after affording credit for the initial (Earnest money). One-half of the security deposit will be refunded on completion of the work as certified by the Engineer-in-charge with respect to satisfactory removal of all defects, imperfections, shortcomings and taking remedial measures, that may be necessary and after recording of final measurements of work done, for which the certificate of the Engineer-in-charge would be conclusive and if the final bill is in plus and the other half will be released on the immediate expiry of defect liability period of 12 months from the date of completion of work and after removal of all defects, imperfections and shortcomings that may be noticed during this period, to the entire satisfaction of the Engineer-in-charge. Such deductions shall be held by University by way of security deposit. However, the retention/security money of 2nd half can be released/refunded on deposit of unconditional bank guarantee of the same amount for the prescribed period. All compensation or other sums of money payable by the contractor to the University under the terms of this contract may be deducted from the security deposit account or from any sums which may be due or may become due to the contractor by University on any account whatsoever. In the event of his security deposit being reduced by reason of any such deduction, the contractor shall within ten days thereafter make good in cash any sum or sums which may have been deducted from his security deposit.

CLAUSE- 2

Compensation for delay.

The time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor and shall be reckoned from the date of issue of the allotment letter. The work shall throughout the stipulated period of the contract be proceeded with all due diligence (time deemed to be the essence of the contract on the part of the Contractor) and the contractor shall pay as compensation an amount equal to one percent, which the Executive Engineer may levy, on the amount of the estimated cost of the whole work as shown in the tender for every day the work remains incomplete or unfinished after the proper dates. And further to ensure good progress during the execution of the work, the contractor shall be bound in the case in which the time allowed for any work exceed one month to complete, one-fourth of whole of the work before one-fourth of the whole time allowed under the contract has elapsed: one-half of the work before one half at such time has elapsed, three-fourths of the work before three-fourths of such time has elapsed. In the event of the

contractor failing to comply with this condition he shall be liable to pay as compensation an amount equal to one percent, which the Engineer-in-charge may levy, on the said estimated cost of the work for everyday that the due quantity of work remains incomplete. Provided always that the entire amount of compensation to be paid under the provisions of this clause shall not exceed ten percent on the estimated cost of the work as shown in the tender. The Vice-Chancellor may, on representation from the contractor reduce the amount of compensation and his decision in writing shall be final

CLAUSE- 3

Action when whole of this security deposit is forfeited.

In any case in which under any clause or clauses of contract the contractor shall have rendered himself liable to pay compensation amounting to whole of his security deposit (whether paid in one sum or deducted by installments) the Engineer-in-Charge on behalf of the University shall have power to adopt any of the following courses, as he may deem best suited to the interests of University.

- (a) To rescind the contract (of which rescission notice in writing to the contractor under the hand of the Engineer-in-Charge shall be conclusive evidence), and in which case the security deposit of the contractor shall stand forfeited and be absolutely at the disposal of University.
- (b) To employ labour paid by the University and to supply materials to carry out the work, or any part of the work, debiting the contractor with the cost of the labour and the price of the materials (of the amount of which cost and price a certificate of the Engineer-in-Charge shall be final and conclusive against the contractor), and crediting him with the value of the work done, in all respects in the same manner and at the same rates as if it had been carried out by the contractor under the terms of his contract, the certificate of the Engineer-in-Charge as to the value of the work done shall be final and conclusive against the contractor. .
- (c) To measure up the work of the contractor, and to take such part thereof as shall be unexecuted out of his hands, and to give it to another contractor to complete in which case any expense which may be incurred in excess of the sum which would have been paid to the original contractor, if the whole work had been executed by him (of the amount of which excess the certificate in writing of the Engineer-in-charge shall be final and conclusive) shall be borne and paid by the original contractor and may be deducted from any money due to him by University under the contract or otherwise or from his security deposit or the proceeds of sale there of or a sufficient part thereof.

In the event of any of the above courses being adopted by the

Engineer-in-Charge the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any material, or entered any engagements, or made any advances on account of or with a view to execution or the work or the performance of the contract. And in case the contract shall be rescinded under the provision aforesaid, the contractor shall not be entitled to recover or be paid any sum for any work there to actually performed under this contract unless and until the Engineer-in-Charge will have 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 - 4

Contractor remains liable to pay compensation if action not taken under clause 3

In any case in which any of the power, conferred upon the Engineer-in-Charge by clause 3 hereof, shall have become exercisable and the same shall not be exercised the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such power, shall notwithstanding be exercisable in the event of any future case of default by the contractor for which by any clause hereof he is declared liable to pay compensation amounting to the whole of his security deposit, and the liability of the contractor for past and future.

Compensation shall remain unaffected. In the event of the Engineer-in-charge putting in force either of the power(a) or (c) vested in him under the preceding clause he may, if he so desires; take possession of all or any tools, plant, materials and stores, in or upon the works, or the site thereof or belonging to the contractor, or procured by him 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 case of these not being applicable at current market rates to be certified by the Engineer-in-Charge whose certificate thereof shall be final otherwise the Engineer-in-Charge may, by notice in writing to contractor or his clerk of the works, foreman other authorized agent, require him to remove such tools, plant materials, or stores from the premises (within a time to be specified in such notice); and in the event of the contractor failing to comply with any such requisition, the Engineer-in-Charge may remove them at the contractor's expense or sale them by auction or private sale on account of the contractor and at his risk in all respects, and the certificate of the Engineer-in-charge as to the expense of any such removal, and the amount of the proceeds and expense and of any such sale shall be final and conclusive against the Contractor.

CLAUSE - 5 Extension of Time

Execution of time

If the contractor shall desire an extension of the time for completion of the work on the ground of his having been unavoidably hindered in its execution or any other ground, he shall apply in writing to the Engineer-in-charge within 30 days, of the date of hindrance on account of which he desire such extension as aforesaid and the Engineer-in-charge shall, if in his opinion (which shall be final) reasonable ground be shown therefore, authorize, such extension of time, for works upto

his competency & recommends the same for the works beyond his competency to the Vice-chancellor whose order shall be final.

Contractor to submit return every month any works claimed as extra.

• District rates mean the Sirsa Distt. Rate of the Haryana P.W.D. schedule of rate 1988 issued by Chief Engineer Haryana PW.D. B&R.

CLAUSE - 5 (a) During the continuance of the Work, the Contractor shall deliver in the office of the Executive Engineer, on or before the 10th day of every month, a return showing details of any work claimed for as extra and such return shall also contain the value of such work as claimed by the Contractor, which value shall be based upon the rates and prices mentioned in the contract or in the Haryana Schedule of Rates read with the premiums fixed by the Central Zonal Committee on the approval of Direction Committee of Chief Engineers as in force on the date of submission of the tender (these two documents read together to be hereinafter referred as HSR). The Contractor shall include in such monthly return particulars of all claims of whatever kind and however arising which at the date thereof he has or may claim to have against the Government under or in respect of or in any manner arising out of the execution of work. The Contractor shall be deemed to have waived all claims not included in such return and will have no right to enforce any claims not so included whatsoever be the circumstances.

CLAUSE - 6

Completion Certificate

Within ten days of the completion of work, the Contractor/ bidder shall give notice of such completion to the Engineer-in-charge & within 10 days of the receipt of such notice, the Engineer-in-charge shall inspect the work and if there is no defect in the work, shall furnish the Contractor/ bidder with a certificate of completion, otherwise a provisional certificate of completion indicating the defects (a) to be rectified by the Contractor/ bidder and/or (b) for which payment will be made at reduced rates shall be issued. However no certificate provisional or otherwise shall be issued, nor shall the work be considered to be complete until the Contractor/ bidder shall have removed from the premises on which the work has been executed, all scaffolding, surplus material, rubbish and all huts & sanitary arrangements set-up for his labour on the site and cleaned of the dirt from all wood-work, doors and windows walls, floor or other parts of the building in upon or about which the work is to be executed or of which he may have had possession for the purpose of execution there of and not until the works shall have been measured by the Engineer-in-charge. If the Contractor/ bidder shall fail to comply with the requirements of this clause as to the removal of scaffolding, surplus material and rubbish, all huts and sanitary arrangements and cleaning off as aforesaid before the date fixed for the completion of work, the Engineer-in-charge may, at the expense of the Contractor/ bidder get cleared off such dirt as aforesaid and the Contractor/ bidder shall forth will pay the amount of all expenses so incurred and shall have no claim in respect of any such scaffolding or surplus materials so aforesaid except for any sum actually realized by the sale proceed thereof.

CLAUSE – 7

Payment on
Intermediate
Certificates
Regarded as
Advances

No payment shall be made for a work estimated to cost less than rupees twenty thousands till after the whole of the work shall have been completed and a certificate of completion given. But in the case of works estimated to cost more than rupees twenty thousands, the Contractor/ bidder shall, on submitting a bill there-of, be entitled to receive a monthly payment proportionate to the part thereof the time limit than executed to the satisfaction of the Engineer-in-charge, whose certificate of the sum payable shall be final and conclusive against the Contractor/ bidder. But all such intermediate payments shall be regarded as payments by way of advance against the final payment only and not as payments for work actually done and completed and shall not preclude the requiring of bad, unsound imperfect or unskilled work to be removed and taken away and reconstructed or re-erected or be considered as an admission of the performance of the contract or any part thereof in any respect of the occurring of any claim nor shall it conclude, determine or effect in any way the powers of the Engineer-in-charge under these conditions or any of them as to the final settlements and adjustment of the accounts or otherwise or in any other way, vary or affect the contract . The final bills shall be submitted by the Contractor/ bidder within one month of the date fixed for completion of the work, otherwise the certificate of the Engineer-in-charge as regards measurements and the total amount payable for the work shall be final and binding.

CLAUSE- 8

Bills to be
Submitted
Monthly

A bill shall be submitted by the contractor each month on or before the date fixed by the Engineer-in-charge for all work executed in the previous months, and the Engineer-in-charge shall take or cause to be taken the requisite measurement for the purpose of having the same verified, and the claim, as far as admissible, adjusted, is possible before the expiry of ten days from the presentation of the bill. If the contractor does not submit the bill within the time fixed as aforesaid, the Engineer-in-Charge may depute a subordinate to measure the work in the presence of the contractor whose counter signature to the measurement list will be sufficient warrant; and the Engineer-in-Charge may prepare a bill from such list which shall be binding on the contractor in all respects. A bill, which is not accompanied with the above documents, shall not be entertained.

CLAUSE- 9

Bills to be on
printed forms

The contractor shall submit all bills on the printed forms to be had on application form the office of the Engineer-in charge, and the charges in the bills shall ordered in pursuance of these conditions and not mentioned or provided for in the tender at the rates hereinafter provided for such work.

CLAUSE-10 - Deleted

Stores supplied by
University

In all works costing more than Rs. – 25 lac, all the material i. e. cement, TMT steel, pipe etc shall be arranged by the contractor however in the work costing less than Rs. – 25.00 lac, the material shall be arranged by the contractor except cement which will be issued by the university from its store.

If it is required that the Contractor shall use certain store to be provided by the Engineer _ in - charge, the Contractor shall be supplied with such materials and stores at such prices as specified in the Schedule attached hereto. The Contractor shall be supplied with such materials and stores required from time to time to be used by him for the purpose of the contract only, and the value of the full quantity of materials and stores so supplied at the rates specified in the said Schedule may be set off or deducted from any sums then due or thereafter to become due to the Contractor under the contract, or otherwise against or from the security deposit. All materials supplied to the Contractor shall remain the property of the Contractor, but shall not on any account be removed from the site of the work without the written permission of the Engineer - in - charge, and shall at all times be open to inspection by him.

Any such materials remaining unused and in perfectly good condition at the time of the completion of the contract, shall be returned to the Engineer - in - charge's store. But the Contractor shall not be entitled to return any such materials unless the Engineer-in-charge consents such return, and shall have no claims for compensation on account of any such materials so supplied to him as aforesaid being unused by him, or for any wastage or damage to any such materials.

CLAUSE-10 – A Inspection of Material

Inspection of material except cement to be arranged by the contractor, for bonafide use on this work, will be conducted at manufacturer's premises at bidder's cost. Inspection of cement shall be carried out at site of work.

The inspection of the material shall be carried out by an officer duly authorized by the Executive Engineer, CDLU, Sirsa. The Engineer-in-charge will also have the right to get the material inspected from 3rd party at the bidder cost, as detailed in volume-II clause 12.11.

CLAUSE-10- B Secured Advance

The Contractor/ bidder on signing an indenture in the form to be specified by the Engineer-in-Charge, shall be entitled to be paid, during the execution of work up to 75% of the estimated value of any materials, except cement and sand which in the opinion of the Engineer-in-Charge is non-perishable, under relevant codal rules of Haryana PWD of the contract and which have been procured and adequately stored against damage, but which have not been incorporated in work at the time of making advance. Its recovery shall be made from running bills as per provision in the relevant rules. The ownership of such material shall be

deemed to vest in CDLU, SIRSA for which the contractor has submitted an indemnity bond in an acceptable format.

CLAUSE-11 Work to be executed in Accordance with Specifications, Drawings etc.

The Contractor/ bidder shall execute the whole and every part of the work in the most substantial and workman like manner both as regards, materials and labour and otherwise in every respect in strict accordance with Haryana PWD's specifications latest edition. The Contractor/ bidder shall also conform exactly, fully and faithfully to the designs, approved drawings and instructions in writing, relating to the work signed by the Engineer-in-Charge and lodged in his office and to which the Contractor/ bidder shall be entitled to have access during the office hours or on the site of work. The Contractor shall be furnished free of charge one copy of all such drawings and such specifications as are not included in the printed Haryana PWD specification. He shall, if he so requires, be entitled at his own expenses to make or cause to be made copies of the drawings designs, specifications and instructions as aforesaid.

For ensuring the requisite quality of construction, the materials used in works shall be subjected to quality control tests for materials and workmanship tests as laid down in Haryana PWD Specifications as amended from time to time or relevant standards laid down by the bureau of Indian Standards or instructions issued by the EE, CDLU, SIRSA. The Contractors shall provide all help and assistance in proceeding with required tests.

The Contractor/ bidder shall set up a quality control field laboratory equipped at least with the test equipment indicated into these "conditions of contract" Chapter-G and employed trained and staff to carry out periodical tests as per directions and procedures laid down in Haryana PWD specification/relevant IS Codes. The records shall be maintained in the prescribed formats and copies thereof covering the work done each month shall be submitted with the bills.

CLAUSE -11A Removal of Employees/Workmen

The Engineer-in-Charge shall have full powers at all times to object to the employment of any workman, foreman or other employee on the work by the contractor, and if the contractor shall receive notice in writing from the Engineer-in-charge requesting the removal of any such man or men from the works, the contractor shall comply with the request forthwith.

No such workman, foreman or other employee after his removal from the works by request of the Engineer-in-Charge shall be re-employed or reinstated on the works by the contractor at any time, except with the previous approval in writing of the Engineer-in-Charge

The contractor shall not be entitled to demand the reason from the Engineer-in-Charge for requiring the removal of any such workman, foreman or other employee.

CLAUSE -12 Alterations in Specification & Designs

Do not
invalidate
contract

Extension of
time in
consequence
alterations.

The Engineer-in Charge shall have power to make any alterations, omissions from, additions to or substitutions for the original specifications, drawings, designs and instructions that may appear to be necessary or advisable during the progress of work, and the Contractor/ bidder shall be bound to carry out the work in accordance with any instructions which may be given to him in writing, signed by the Engineer-in-Charge. Such alterations/additions or substitutions shall not invalidate the contract and any altered additional or substituted work shall be carried out by the Contractor/ bidder on the same conditions in all respects on which he agreed to do the main work and at the same rates as are specified in tender for the main work. The time of completion of the work shall be extended in the proportion that the altered, additional or substituted works bears to the original contract work and the certificate of the Engineer-in- Charge shall be conclusive as to such proportion. The rates for such additional, altered or substituted work shall be determined in accordance with the following provision in their respective order:

- i. If the rates for the additional, altered or substituted work are specified in the contract for the work, the Contractor/ bidder is bound to carry out the additional, altered or substituted work at the same rates as are specified in the contract for the work.
- ii. If the rates for the additional, altered or substituted work are not specifically provided in the contract for the work, the rates will be derived from the rates for a similar class of work as are specified in the contract for the work.
- iii. If the rates cannot be determined as provided in the (i) and (ii) above, then such work shall be paid at the rates entered in the common schedule of the rates minus/plus the percentage rate at which the bids has been accepted.
- iv. If the rates for the altered, additional or substituted work cannot be determined in the manner specified in clauses (i), (ii) and (iii) above, then the Contractor/ bidder shall within 7 days of the date of his receipt of the order to carry out the work inform the Engineer-in-Charge of the rate or rates which he intends to charge for such class of work supported by analysis of the rate in support of rates/claimed. The Engineer-in-Charge shall determine the rates or rate on the basis of prevalent market rates and pay the Contractor/ bidder accordingly.

Rates for works
not in estimate,
or schedule of
rates of the
district.

However the Engineer-in-Charge, by notice in writing, will be at liberty to cancel the order given to the Contractor/ bidder to carry out such class of work and arrange to carry out in such manner as he may consider advisable, provided always that if the Contractor/ bidder shall have commenced work or incurred any expenditure in regard there to before the rates shall have been so determined, then in such case he shall be entitled

to be paid in respect of the work carried out or expenditure incurred by him prior to the date of the determination of the rate as aforesaid according to such rate or rates as shall be fixed by the Engineer-in-Charge. In the event of dispute, the decision of the Vice – Chancellor, CDLU, Sirsa shall be final.

CLAUSE -13

No Compensation for Alteration in or Restriction in Works to be carried out.

If at any time, after the commencement of the work, the CDLU, SIRSA shall for any reason whatsoever not require the whole or part thereof as specified in the contract to be carried out, the Engineer-in-charge shall give notice in writing of the fact to the Contractor/ bidder, who shall have no claim to any payment or compensation, whatsoever on account of any profit or advantage which he might have derived from the execution of the work in full, but which he did not derive in consequences of the full amount of the work not having been carried out, neither shall he have any claim for compensation by reason of any alternation having been made in the original specifications, drawings, designs and instructions, which shall involve any curtailment of the work originally contemplated. The contractor shall not be entitled for any compensation/claim in case the work has to be temporarily stopped by the Engineer-in-charge on account of any genuine cause.

CLAUSE -14

Action and Compensation Payable in case of Bad Work

If it shall appear to the Engineer-in-Charge, or his subordinate in-charge of that work, that any work has been executed with unsound, imperfect, unskillful workmanship or with materials of any inferior description or that any articles or materials provided by the Contractor/ bidder for the execution of the work are unsound or of a quality inferior to that contracted for or otherwise not in accordance, with the contract, the Contractor/ bidder, shall on demand in writing by the Engineer-in-Charge specifying the work, materials or articles complained of, notwithstanding that the same have been inadvertently 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 proper charge and cost. In the event of his failing to do so, within a period to be specified by the Engineer-in-Charge, in his demand aforesaid, the Contractor/ bidder shall be liable to pay compensation at the rate of 1% of the estimated amount of that bad work for every week not exceeding 10 weeks, while his failure to do so shall continue and in the case of such failure, the Engineer-in-Charge may rectify or remove and re-execute the work or remove and replace with others, the materials or articles complained of as the case may be at risk and expense in all respects of the Contractor/ bidder.

CLAUSE -15

Works to be Open for Inspection Contractor responsible agent to be present.

All work under or in course of execution or executed in pursuance of the contract shall at all times be open to the inspection and supervision of the Engineer-in-Charge and his senior/sub-ordinates and the Contractor/ bidder shall at all times during the usual working hours and at all other times at which reasonable notice of the intention of the Engineer-in-Charge or his senior/subordinates to visit the works shall have been given to the Contractor/ bidder, either himself be present to receive orders and instructions or have a responsible agent, dully accredited in writing, present for that purpose. Orders given to the Contractor/ bidder's agents shall be considered to have the same force as if they had been given to the Contractor/ bidder himself.

CLAUSE -16

Notice to be given before Work is Covered-up

The Contractor/ bidder shall give not less than ten days notice in writing to the Engineer-in-Charge or his subordinate in-charge of the work before covering up or otherwise placing beyond the reach or measurement any work in order that the same may be measured and correct dimensions thereof any be taken before the same is so covered up or placed beyond the reach of measurement and shall not cover up or place beyond the reach of measurement any work without the consent in writing of the Engineer-in-Charge or his subordinate-in-charge of the work and if any work shall be covered up or placed beyond the reach of measurement, without such notice having been given or consent obtained, the same shall be uncovered at the Contractor/ bidder's expense or in default thereof no payment or allowance shall be made for such work or of the material with which the same was executed.

CLAUSE -17

Liability for Damage and Imperfection for six Months after Certificate

If the Contractor/ bidder or his workmen shall break, deface, injure or destroy any part of a building in which he may be working or any building, road, fence enclosure or green grasslands, water pipes, cables, drains, electric or telephone posts or wires, trees or cultivated ground contiguous to the premises on which the work or any part of it is being executed or if any damage shall happen to the work, while in progress from any cause whatsoever of any defect, imperfection or other faults appear in the work within six months after a certificate final or other of its completion shall have been given by the Engineer-in-Charge, the Contractor/ bidder shall make the same good at his own expense or in default, the Engineer-in-Charge may cause the same to be made good by other workmen and deduct the expenses incurred both on labour and material (for which the certificate of the Engineer-in-Charge shall be final) from any sums that may be then due or any other, thereafter may become due to the Contractor/ bidder from his security deposit.

CLAUSE –18 Contractor/ bidder to Supply Materials, Plant, Scaffolding

The Contractor/ bidder shall arrange and supply at his own cost all material ((except such special materials, if any, as may in accordance with the contract be supplied from the Engineer-in-charge's stores), plants, tools, appliances, implements, ladders, cordage, tackle, scaffoldings and temporary works requisite or proper for the proper execution of the work, whether original, altered or substituted and whether included in the specification or other documents forming part of the contract or referred to in these conditions or not, or which may necessary for the purpose of satisfying or complying with the requirements of the Engineer-in-charge 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 therefore to and from the work. The contractor shall also supply without charge the requisite number of persons with means and materials necessary for the purpose of setting out works, and counting, weighing and assisting in the measurement or examination at any time and from time to time of the work of materials. Failing his so doing the same may be provided by the Engineer-in-charge at the expenses of the contractor and the expenses may be deducted from any money due to the contractor under the contract, or from his security deposit or the proceed of sale thereof, or of sufficient portion thereof. The contractor shall also provide all necessary fencing and lights required to protect the public from accident, and shall be bound to bear the expenses of Defense of every suits, 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 away damages, and costs which may be awarded in any suit, action or proceedings to any such persons or which may with the consent of the contractor be paid to compromise any claim by any such person.

CLAUSE -19 Labour Laws

The Contractor shall, unless otherwise provided in the contract, make his own arrangements for the engagement of all staff and labour and for their payment, housing, feeding and transport. The contractor, shall if required by the Engineer-in-Charge, deliver him a return in detail at specified intervals showing the staff and the numbers of several classes of labour from time employed by the contractor for the work. The contractor shall abide at all times by all applicable labour laws and rules made there-under, regulations, notifications and bye-laws of the state or Union Government or Local Authority. The contractor shall keep the Government indemnified in case any action is taken against the Government on account of contravention of any of the provisions of any Act or rules or regulations etc. The Engineer-in-Charge shall have full powers, at all times, to object to the employment of any staff or workman on the works by the contractor. If the contractor shall receive notice in writing from the Engineer-in-Charge requesting the removal of any such person or persons from the work, the contractor shall comply with the request forthwith. No such person shall be re-employed or reinstated on works by the contractor at any time except with the previous approval in

writing of the Engineer-in-Charge. The contractor shall not be entitled to demand the reason from the Engineer-in-Charge for requiring the removal of any such person.

No female labour shall be employed within the limits of cantonment.

No labourers below the age of 12 years shall be employed on the work.

The contractor shall pay his labourers not less than the wages paid for similar work in the neighborhood.

The Contractor/ bidder shall comply with all the provisions of Minimum Wages Act 1948, Workmen's Compensation Act 1923, Contract Labour (Regulation & Abolition) Act 1970 and the rules framed there under, the payment of Wages Act 1936, Employees Liability Act 1938, Maternity Benefits Act 1961, the Apprentices Act 1961 and rules framed there under and the Industrial Disputes 1947. He shall also make satisfactory arrangements for labour huts, protection of health and sanitary arrangements for the workmen employed on the work.

For Women labourers the Contractor shall arrange for the medical as well as crèche facility for their children & provide separate toilet lavatory arrangement for the women. Also lodging facilities for women & their children should be separate if these are arranged for the labourers.

In every case in which by virtue of provisions of the Contract Labour (Regulation and Abolition) Act 1970 and of the contract labour rules, CDLU, SIRSA is obliged to pay any amount of wages to a workmen employed by the Contractor/ bidder in execution of the work or to incur any expenditure in providing welfare and health amenities required to be provided under the above said Act and the rules under the PWD, Contractors labour regulations or under the rules framed by the Haryana Govt. from time to time for the protection of health and sanitary arrangements for worker employed by the Contractor/ bidder. The CDLU, SIRSA will recover from the Contractor/ bidder, the amount of wages so paid or the expenditure so incurred under without prejudice to the rights of the CDLU, SIRSA. , under section 20 subsection (2) and section 21 subsection (4) of the contract labour (Regulations and Abolition) Act 1970. CDLU, SIRSA shall be at liberty to recover such amount or any part thereof by deducting it from the security deposited or from any sum due to CDLU, SIRSA to the Contractor/ bidder whether under this contract or otherwise. CDLU, SIRSA shall not be bound to contest any claim made against it under section 20 subsection (1) and section 21 subsection (4) of the said Act except on the written request of the Contractor/ bidder and upon his giving to the CDLU, SIRSA full security for all costs for which the CDLU, SIRSA might become liable in contesting such claim.

CLAUSE -20 Work on Sundays

No work shall be done on Sundays without the sanction in writing of the Engineer-in-Charge

CLAUSE -20 (A)

Contractor/ bidder
Liable for
Payment of
Compensation to
Injured Workman
or in Case of
Death to his
relations.

In every case in which by virtue of the provisions of section, 12, sub-section (1) of the Workmen's Compensation Act, 1923, University is obliged to pay compensation to a workman employed by the contractor, in execution of the work, University will recover from the Contractor the amount of the compensation so paid; and without prejudice to the rights of University under section 12, Sub-section (2) of the said Act, University 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 University to the contractor whether under this contract or other- wise.

University shall not be bound to contest any claim made against it under section 12, sub-section (1) of the said Act, except on the written request of the contractor and upon his giving to University full security for all costs for which University might become liable in consequence of contesting such claim

CLAUSE -21

Work not to be
sublet

Contract may be
rescinded and
security deposit
forfeited for
subletting,
bribing or if
contractor
becomes
insolvent.

The contract shall not be assigned or sublet without the written approval of the Executive Engineer and if the contractor shall sublet, assign or sublet his contract or attempt to do so or become insolvent or commence any insolvency proceeding 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 agents to any officer or person in the employ of University in anyway relating to his office or employment if any such officer or person shall become in any way directly or indirectly interested in the contract, the Executive Engineer may thereupon by notice in writing rescind the contract and the security deposit of the contractor shall thereupon stand forfeited and be absolutely at the disposal of University, and the same consequences shall ensure as if the contract had been rescinded under Clause 3 hereof, and in addition the contractor shall not be entitled to recover or be paid for any work thereto for actually performed under the contract.

CLAUSE -22

Compensation
Considered
Reasonable
Without
Reference to
Actual Loss

All sum payable by way of compensation under any of these clauses shall be considered as reasonable compensation to be applied to the use of CDLU, SIRSA without reference to the actual loss or damage sustained and whether or not any damages shall have been sustained.

CLAUSE -22 (A)

Deduction of
amounts due to
CDLU, SIRSA on
Any Account
whatsoever to be
permissible from
sums payable to a
contractor.

Any excess payment made to the Contractor/ bidder inadvertently or otherwise under this contract or on any account whatsoever and any other sum found to be due to the CDLU, SIRSA by the Contractor/

bidder in respect of this contract or any other contract or work order or on any account whatsoever may be deducted from any sum payable by the CDLU, SIRSA to the Contractor/ bidder either in respect of this contract or any work order or Contractor/ bidder or any other account by any other Department of Haryana Government.

CLAUSE - 23

Change in
Constitution of
firm

In the case of a tender by partners, any change in the constitution of the firm shall be forthwith notified by the contractor to the Engineer-in-charge for his information.

CLAUSE - 24

Work to be
executed under
direction of
Executive
Engineer

All works to be executed under the contract shall be executed under the direction and subject to the approval in all respect of the Engineer – in – charge, CDLU, Sirsa for the time being who shall be entitled to direct at what points and in what manner they are to be commenced and from time to time carried on.

CLAUSE - 25

Claims for
payment of an
extraordinary
nature to be
referred to
University for
decision.

No claims for payment of an extraordinary nature, such as claims for Bonus, for extra labour, employed in completing the work before the expiry of the contractual period at the request of the Engineer-in-charge or claim for compensation where work has been temporarily brought to a standstill through no fault of the contractor shall be allowed.

CLAUSE – 25(A)(i) Disputes & Arbitration

if any dispute of difference of any kind whatsoever arise between the Ch. Devi Lal University, Sirsa or his authorized agent and the contractor in connection with or arising out of the contract, or the execution of the work that is (i) Whether before its commencement or during the progress of the work or after its completion, (ii) and whether before or after the termination, abandonment or breach of the contract, it shall, in the first instance be referred to for being settled by the Executive Engineer of the work at the time and he shall within a period of sixty days after being requested in writing by the contractor to do so, convey his decision to the contractor, and subject to arbitration as hereinafter provided, such decision in respect of every matter so referred, shall be final and binding upon the contractor. In case the work is already in progress, the contractor will proceed with the execution of the work on receipt of the decision by the Executive Engineer as a aforesaid; with all due diligence whether he or the Vice-Chancellor, Ch. Devi Lal University, Sirsa requires arbitration as hereinafter provided or not. If the Executive Engineer of the work has conveyed his decision to the contractor and no claim to arbitration has been filed with him by the contractor within a

period of sixty days from the receipt of letter communicating the decision, the said decision shall be final and binding upon the contractor and will not be a subject-matter of arbitration at all. If the Executive Engineer-in-charge of the work fails to convey his decision within a period of sixty days, after being requested, as aforesaid, the contractor may, within further sixty days of the expiry of first sixty days from the date on which request has been made to the Executive Engineer requests the Vice-Chancellor that the matters in dispute be referred to arbitration, as hereinafter provided.

(2) All disputes or differences in respect of which the decision is not final and conclusive shall at the request in writing of either party, made in a communication sent through Registered AD. Post be referred to the sole arbitration of any serving Superintending Engineer or Chief Engineer of Haryana PWD, B&R Branch, to be nominated by designation by the Engineer-in-chief Haryana P.W.D. B&R Branch, at the relevant time on the request of Vice-Chancellor, CDLU, Sirsa. It will be no objection to any such appointment that the arbitrator so appointed is a Government servant or that he had to deal with the matters to which the contract relates and that in course of his duties as a Government servant, he had expressed his views on all or any of the matters in dispute. The arbitrator to whom the matter is originally referred being transferred or vacating his office, his successor in office, as such shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.

In case the arbitrator nominated by the Engineer-in-Chief is unable or unwilling to act as such for any reason, whatsoever the Engineer-in-Chief shall be competent to appoint and nominate any other Superintending Engineer or Chief-Engineer, as the case may be as arbitrator in his place and the Arbitrator so appointed shall be entitled to proceed with the reference with due approval of the University authorities.

(3) It is also a term of this arbitration agreement that no person other than a person appointed by the University authorities shall act as arbitrator and if for any reason that is not possible the matter shall not be referred to arbitration at all. In all cases where the agreement amount awarded exceeds Rs. 25,000/- (Rupees Twenty Five Thousand only) the arbitrator must invariably give reasons for his award in respect of each claim and counter-claim separately.

(4) The arbitrator shall award separately giving his award against each claim and dispute raised by either party including any counter-claims individually and that any lump-sum award shall not be legally enforceable.

(5) The following matters shall not lie within the purview of arbitration.

(a) Any dispute relating to the levy of compensation as liquidated damages which has already been referred to the Vice-Chancellor and is being heard or/and has been finally decided by the Vice-Chancellor, Ch. Devi Lal University, Sirsa

(b) Any dispute in respect of substituted, altered, additional work/omitted work! defective work referred by the contractor for

the decision of the Vice – Chancellor if it is being heard or has already been decided by the Vice – Chancellor, Ch.Devi Lal University, Sirsa

(c) Any dispute regarding the scope of the work or its execution or suspension or abandonment that has been referred by the contractor for the decision of the Vice-Chancellor has been so decided finally by the Vice-Chancellor.

(6) The independent claims of the party other than the one getting the arbitrator appointed, as also counter-claims of any party will be entertained by the arbitrator notwithstanding that the arbitrator had been appointed at the instance of the other party.

(7) It is also a term of this arbitration agreement that where the party invoking arbitration is the contractor, no reference for arbitration shall be maintainable unless the contractor furnishes to the satisfaction of the Engineer-in-charge of the work, a security deposit of a sum determined according to details given below and the sum so deposited shall on the termination of the arbitration. Proceedings, be adjusted against the cost, if any awarded by the arbitrator against the claimant party and the balance remaining after such adjustment in the absence of any such cost being awarded, the whole of the sum will be refundable to him within one month from the date of the award:-

	Amount of claim	Rate of security deposit
(i)	For claims below 10,000/-	2% of amount claimed.
(ii)	For claims of Rs. 10,000/- and above and below Rs. 1,00,000/-	5% of amount claimed.
(iii)	For claim of Rs. 1,00,000/- and above	10% of amount claimed.

The stamp fee due on the award shall be payable by the party as desired by the arbitrator and in the event of such party's default the stamp-fee shall be recoverable from any other sum due to such party under this or any other contract.

(8) The venue of arbitration shall be such place or places as may be fixed by the arbitrator in his sole discretion. The work under the contract shall continue during the arbitration proceedings.

(9) Neither party shall be entitled to bring a claim for arbitration if the appointment of such arbitrator has not been applied within 6 months.

(a) of the date of completion of the work as certified by Executive Engineer In charge, or

(b) of the date of abandonment of the work, or

(c) of its non-commencement within 6 months from the date of abandonment, or written orders to commence the work as applicable, or

- (d) of the completion of the work through any alternative agency or means after withdrawal of the work from the contractor in whole or in part and / or its recession, or
- (e) of receiving an intimation from the Executive Engineer-in-charge of the work that final payment due to or recovery from the contractor had been determined which he may acknowledge and/ or receive.

Which ever of (a) to (e) above is the latest.

If the matter is not referred to arbitration within period prescribed above, all the rights and claims of any party under the contract shall be deemed to have been forfeited and absolutely barred by time even for civil litigation notwithstanding

(10) It is also a term of this arbitration agreement that no question relating to this contract shall be brought before any Civil Court without first involving and completing the arbitration proceedings as above, if the scope of the arbitration specified herein covers issues that can be brought before the arbitrator i.e. any matter that can be referred to arbitration shall not be brought before Civil Court. The pendency of arbitration proceedings shall not disentitle the University to terminate the contract and make alternative arrangements for the completion of the work.

(11) The arbitrator shall be deemed to have entered on the reference on the day he issued notices to the parties fixing the first date of hearing. The arbitrator may from time to time, with the consent of the parties, enlarge the initial time for making and publishing the award.

(12) It is also a term of this arbitration agreement that subject to the stipulation herein mentioned, the arbitration proceedings shall be conducted in accordance with the provisions of the Arbitration Act, 1940, or any other law in force for the time being.

CLAUSE -26

Stores of European or American manufacture to be obtained from University.

The contractor shall obtain from the stores of the Engineer-in-charge all stores and articles of European or American manufacture which may be required for the work or any part thereof or in making up articles, required therefore or in connection therewith, unless he has obtained permission in writing from the Engineer-in-Charge to obtain such stores and articles elsewhere. The value of such stores and articles as may be supplied to the contractor by the Engineer-in-charge will be debited to the contractor in his account at the rates shown in the schedule attached to the contract and if they are not entered in the schedule - they will be debited at cost price which for the purposes of this contract shall include the cost of carriage and all other expenses whatsoever which shall have been incurred in obtaining delivery of the same at the stores aforesaid.

CLAUSE -26 (A)

Fluctuations in
railway freight

Any fluctuations in railway rates which may occur during the subsistence of, and affecting freights of any material to be supplied under this contract shall be brought to the notice of the "Engineer- in-charge" by the contractor within fifteen days from such date without prejudice to the rights of University should the contractor fail to comply with the above requirement any excess or short charge an account of such increase or decrease shall be credited to be recovered from the contractor. No alteration in contract rates shall be admissible in consequence of fluctuation in railway freight when such railway freight is on account of material, which is required by a contractor in the manufacture of an article to be supplied under this contract e.g. fluctuations of railway freight on coal required for burning bricks will not be taken into consideration, or for an article which forms part of finished work, for purposes of this clause. Similarly, no alteration in rates will be allowed when a manufactured article is transported by rail from place A to place B to form part of a finished work.

CLAUSE - 27

Lump sum in
Estimates.

When the estimate on which a tender is made includes lump-sums 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 questions the same rates as are payable under this contract for such items, or if the part of the work in questions is not, in the opinion of Engineer-in-charge capable of measurement, the Engineer-in-charge may at his direction pay the lump sum amount entered in the estimate, and the certificate in writing of the Engineer-in-charge shall be final and conclusive against the contractor with regard to any sum or sums payable to him under the provision of this clause.

CLAUSE - 28

Specifications

In the case of any class of work for which there is no specification as mentioned in clause 13 the work shall be carried out in accordance with the specifications laid down by the Bureau of Indian Standards and in the event of there being no such specifications, the work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer In charge.

CLAUSE - 29

Definition of
works

The expression "work" or "works" where used in these conditions shall, unless there be something either in the subject or context repugnant to such constructions, be construed and taken to mean the work by or by virtue of the contract contracted to be executed whether temporary or permanent and whether original, altered, substituted or additional.

CLAUSE – 30

The percentage referred to at page (3) of the tender will be calculated on the gross amount (value of finished work including cost of materials whether purchased from Government or direct) of (1) the items of work to which the rates in the tender apply and also (2) the items of work for which rates exist in the Schedule of rates of the district.

CLAUSE – 31

The terms and conditions of the agreement have been explained to me/us and I/we clearly understand them.

CLAUSE - 32

The expression "XEN", "E.E.", "Executive Engineer" and "Engineer-in-charge" be construed and taken to mean the Executive Engineer, Ch. Devi Lal University.

CLAUSE – 33 JURISDICTION

Notwithstanding any other provision, all legal proceedings in respect of this contract would be subject to Jurisdiction of Courts at SIRSA.

CLAUSE – 34

Price variation clause for cement and steel reinforcement bars in contract(s) of value more than Rs. 1.00 crores.

If after submission of the tender, the price of cement / or steel reinforcement bars incorporated in the work (not being a material supplied from the Engineer – in – charge’s store) increase(s) beyond the price(s) prevailing at the time of the last stipulated date for receipt of tenders (including extensions, if any) for the work, then the amount of the contract shall accordingly be varied and provided further that any such increase shall not be payable if such increase has become operative after the stipulated date of completion of work in question.

If after the submission of the tender, the prices of cement and / or steel reinforcement bars incorporated in the works (not being a material supplied from the Engineer – in – Charge’s stores) is decreased, Govt. shall in respect of these materials incorporated in the works (not being materials supplied from the Engineer-in-Charge stores) be entitled to deduct from the dues of the contractor such amount as shall be equivalent to the difference between the prices of cement and/or steel reinforcement bars as prevailed at the time of last stipulated date for receipt of tenders including extensions if any for the work and the prices of these materials on coming into force of such base price of cement and/or steel reinforcement bars issued under authority of Engineer-in-Chief, Haryana PWD B&R Branch, Chandigarh.

It is further clarified that the decrease in the prices of cement & steel shall be deducted from the dues of the contractor if such decrease has become operative after the stipulated date of completion of work in question and increase shall not be payable if such increase has become operative after the stipulated date of completion of work in question.

The increase/decrease in prices shall be determined by the All India Wholesale Price Indices for Cement and Steel (bars and rods) as

published by the Economic Advisor to Government of India, Ministry of Commerce and Industry) and base price for cement and/or steel reinforcement bars as issued under authority of Engineer-in-Chief, Haryana PWD B&R Branch, Chandigarh as valid on the last stipulated date of receipt of tender, including extension if any and for the period under consideration.

The amount of the contract shall accordingly be carried for cement and / or steel reinforcement bars and will be worked out as per the formula given below:-

a) Adjustment for component of 'Cement'

$$V_c = P_c \times Q_c \times \frac{CI - CI_0}{CI_0}$$

Where,

V_c = Variation in cement cost i.e. increase in the amount in rupees to be paid or recovered.

P_c = Base price of cement as issued under authority of Engineer-in-Chief, Haryana PWD B&R Branch, Chandigarh valid at the time of the last stipulated date of receipt of tender including extensions, if any.

Q_c = Quantity of cement used in the works since previous bill.

CI_0 = All India Wholesale Price Index for cement as published by Economical Advisor to Government of India, Ministry of Industry and Commerce as valid on the last stipulated date of receipt of tenders including extensions, if any.

CI = All India Wholesale Price index for cement for period under consideration as published by Economic Advisor to Government of India, Ministry of Industry and Commerce.

b) Adjustment for component of 'Steel'

$$V_s = P_s \times Q_s \times \frac{SI - SI_0}{SI_0}$$

Where,

V_s = Variation in cost of steel reinforcement bars i.e. increase or decrease in the amount in rupees to be paid or recovered.

P_s = Base price of steel reinforcement bars, as issued under authority of Engineer-in-Chief, Haryana PWD B&R Branch, Chandigarh at the time of the last stipulated date of receipt of tender including extensions, if any.

Q_s = Quantity of steel paid either by way of secured advance or used in the works since previous bill (whichever is earlier).

SI_0 = All India Wholesale Price Index for steel (bars and rods) for the period under consideration as published by Economical Advisor to Government of India, Ministry of Industry and Commerce as valid on the last stipulated date of receipt of tenders including extensions, if any.

SI = All India Wholesale Price index for steel (bars and rods) for period under consideration as published by Economic Advisor to Government of India, Ministry of Industry and Commerce.

Pc (Cement) Rs.5000/- Per MT including taxes
Ps(Steel Reinforcement Bars) Rs.47,000/- Per MT including taxes

CLAUSE – 35

PERFORMANCE
SECURITY

The successful tenderer will furnish performance security @ 5% of the contract price in the form of bank guarantee/FDR, to be kept as a surety that the contractor completes the work satisfactorily. Initially, the performance guarantee will be valid up to end of the defects liability period plus 30 days + completion period. In case the time of completion is enlarged, the validity of the guarantee shall be correspondingly extended. It carries no interest and is returned to the contractor after the date specified in the contract.

HDM

Witness

Executive Engineer

CHAPTER – 8

SCHEDULE OF ADDITIONAL CONDITIONS

1. Upon completion and before offering the work for acceptance, the contractor shall remove all false work, excavated and useless materials, rubbish, temporary building constructed by him and shall leave the site and adjacent area in a neat and clean condition to the entire satisfaction of the Engineer-in-Charge.
2. The Executive Engineer, reserve the option to take away any item of work or any part thereof at any time during the currency of the contract and re-allot it to any other agency with due notice to the contractor without liability of any kind or payment of any compensation.
3. The contractor has to make his own arrangements for water, electricity and all other items required directly or indirectly for completion of work, except those mentioned in the material statement of this N.I.T. (see page opposite).
4. No claim shall be entertained on account of increase in price of labour and material due to any cause whatsoever for the works costing upto Rs. 1.00 crore only. However for the works costing more then Rs. 1.00 crore where cement and steel is arranged by the contractor price variation clause shall be implemented for cement & TMT steel only.
5. One-half of the security deposit will be refunded on completion of the work as certified by the Engineer-in-charge with respect to satisfactory removal of all defects, imperfections, short comings and taking remedial measures, that may be necessary and after recording of final measurements of work done, for which the certificate of the Engineer-in-charge would be conclusive and if the final bill is in plus and the other half will be released on the immediate expiry of defect liability period of 12 months from the date of completion of work
6. In case of emergency, the contractor shall be required to pay his labour every day and if this is not done, University will make the requisite payment and recover the same from the contractor.
7. Actual quantities of completed and accepted work shall only be paid.
8. No pits shall be dug by the contractor near the site of work or within road land/university land for taking out earth for use on the works. In case of default, the pits so dug will be filled in by the department at the cost of the contractor plus fourteen percent departmental charges.
9. The contractor shall not be entitled for any payment on account of work done till he signs his agreement.
10. Nothing extra shall be paid for any lead and lift unless otherwise specified for any material required directly or indirectly and the rates to be given in the tender should include all leads in the contract schedule.
11. The contractor shall be responsible for any loss of material, damage done to unfinished work as a result of floods and other acts of God. The University will not be responsible for any compensation as a result of such damage or loss to the contractor and

the contractor shall be liable to set right such damage at his own cost to the satisfaction of the Engineer-in-Charge.

12. Amount of work may be increased or decreased and any item omitted and substituted in accordance with the requirements of the departments and no claim on this account shall be entertained.

13. Contractor shall be responsible to provide to the entire satisfaction of the Engineer-in-Charge at his own expenses the following amenities for the labour employed by him.

- (i) Suitable temporary hutting accommodation
- (ii) Trench latrines, bathing enclosures, platforms separately for men and women and their regular cleanliness.
- (iii) Clean drinking water.

In the event of his failure to provide any or all of the amenities the same shall be provided by the University and cost thereof shall be recovered from the contractor. Any dispute regarding above points shall be settled by the Engineer-in-charge and his decision shall be final.

14. The contractor shall be responsible for housing, sanitation and medical treatment of labour employed by him and shall abide by all the rules and regulations made by Govt. in this behalf from time to time.

15. For contractor's shall be responsible for labour regulation fair wage clause and rules for protection of health and sanitation arrangements for workers employed in the University by the contractor.

16. (1) The contractor shall be responsible, for loss or damages to any material issued to him by University from any cause whatsoever. In case, the material such as cement, steel, or any other commodity issued to the contractor by the Engineer-in-Charge for use directly on the aforesaid work on in manufacture of material required in connection therewith is not utilized for the purpose for which it is issued and is otherwise disposed of by him or spoiled, or lost or allowed to get deteriorated or used in excess of the quantity actually required to be used as per specification herein stipulated of those fixed by the Engineer-in-charge, the cost of such quantity of that materials shall, without prejudice to other rights and remedies available to University, be recoverable from the contractor at double the rate at which it is agreed to be supplied to the contractor.

(2) The recovery from contractor for the material consumed in excess or in short of the original requirements as per specifications herein stipulated or otherwise fixed by the Engineer-in-charge, other than the variation to be regulated by the preceding clause, shall be dealt with as under :-

A. FOR EXCESS CONSUMPTION OF MATERIALS:

- (i) Upto 5% (Five percent) No action is called for.
- (ii) Above 5% (Five percent) if actual consumption exceeds theoretical consumption by more than 5% (Five percent) recovery shall be

made for the excessive consumption of material beyond initial five percent at double the rate at which it is agreed to be supplied to the contractor.

B. FOR SHORT CONSUMPTION OF MATERIALS

Where the actual consumption of material is short by 5 percent or less, no action shall be taken when the work is executed on labour rates or departmentally, where the work is done on through rate basis, and actual consumption of cement works out to be less upto 5% than the theoretical consumption, the cement so saved shall be returned in good condition by the contractor to the stores and recovery of cost of material thus saved shall be made from the contractor at the issue rates) subject to the condition that the use of cement less than the prescribed norms will not affect the specifications, quality and strength. It has also to be certified by the J.E., S.D.E.'s and ~~XEN~~ that the work has been carried out strictly in accordance with the relevant specifications. When the consumption of material is short by more than 5% and the work is being done on through rate basis, the rates on items shall be reduced or where it is not possible to determine the correct items on which short material has been used, the cost of material shall be recovered from the contractor at double the issue rate. When the work is done departmentally or on labour rates and the competent authority, in all such cases, for such action against defaulting University official as and contractor as he may deem fit. The University reserve the right to take any other deterrent action, which the University deems fit against the contractor. The decision of the competent authority in this matter shall be final.

It is also to be determined whether the stability of the structure is affected adversely by short consumption of materials and in cases where it is felt that it is likely to be, the work shall be rejected. The decision of competent authority in this regard shall be final.

17. Should the tenderer modify or withdraw his tender without the written concurrence of the Executive Engineer within 120 days (one twenty days) from the date of tender, he is liable to be black-listed besides forfeit of earnest money and other penalty envisaged in the tender document.

18. No claim of any kind whatsoever shall be entertained for any and all the losses of damages to the contractor due to the completion of the work getting delayed due to the failure or delay on the part of the University under the terms and conditions of the contract.

19. Apprentice Act. :- The contractor shall comply with the provisions of the Apprentice Act, 1961 and the rules and orders issued there under from time to time. If the contractor fails to do so his failure will be breach of the contract and the University Engineer may at 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 provision of the Act.

20. If for the execution of the work, the contractor will engage imported labour, he shall immediately inform the local health authority entrusted with the work of eradication of malaria for their (Labourers) inclusion in the surveillance operation and for getting

their blood examined from the aforesaid authorities in order to exclude malaria positive.

21. Imported labour means Labour belonging to a state other than Haryana State.
22. All material left at site by the contractor for a period of one month after the completion of work shall become the property of the University and contractor shall have no claim whatsoever for such material.
23. The contractor shall supply at his own cost and expenses all labour, materials etc. for checking of any portion of the work during construction, Whatsoever required by the Engineer-in-charge or his representative and nothing extra shall be paid for services.
24. The contractor shall not remove any material / equipment from the site of work without the written permission of the Engineer-in-charge.
25. The contractor shall maintain at site of work full details of specification of the work fixed by the Engineer-in-charge and all approved drawings of the work.
26. Nothing extra shall be paid to the contractor for diversion of water in the channels stream if it becomes necessary for the execution and completion of the work.
27. In case of the delay in supply of cement, steel or any other material agreed to be supplied by the department as per details in the N.I. T. or failure to supply the required quantity in time for execution of the work, the contractor shall not be paid any compensation from any or resultant effects or losses.
28. The contractor shall employ a duly accredited and experienced resident Engineer as his agent in-charge of the Execution of work. Instructions given by the Engineer-in-charge or his authorized representative to the agent shall have the same force as instructions given to the contractor.
29. The contractor will not have any claim in case of delay by the University for removal of tree or shifting, raising, removing of telegraph, telephone or electric lines (Overhead or underground) and other structure, if any, which comes in the way of the work.
30. **Relation with Public Authorities**
The contractor shall comply with all legal orders and directions given from time to time by any local or public authorities and shall payout of his own money the fees or charges to which he may be liable.
31. **Occupation of Additional Lands**
In case, when it becomes necessary for the due fulfillment of the contract for the contractor to occupy land outside the University limits the contractor shall make his own arrangements with the landowners and pay such amounts, as may mutually agreed upon by them.
32. No claim by the contractor for additional payment will be allowed on the ground of any misunderstanding or misapprehension in respect of any such matter or otherwise or on the ground of any allegation or fact that incorrect information was given to him by

any person whether in the employ of the University or not, or of the failure on his part to obtain correct information nor shall the contractor be relieved of any risk or obligations imposed on or undertaken by him under the contract on any such ground or on the ground that he did not or could not foresee any matter which may in fact, effect or have affected the execution of the work.

33.1 During the absence on work of the Engineer-in-charge he shall be represented by one of his subordinates whose duties are to watch and supervise the works, to test and examine any materials to be used or workmanship employed to ensure that the works are performed in conformity with the plans, estimates and specifications in all respects and to keep Engineer-in-charge informed of the progress of the works and the manner in which they are done. The Engineer-in-charge may from time to time delegate any of the powers and authorities vested in him to the departmental representative in writing.

33.2 The departmental representative shall have no authority to alter or waive the provisions of plans and estimates and specification or to relieve the contractor of any of his duties or obligations under the contract. He shall, however, have the authority to inform the contractor in writing to replace any materials considered defective and to suspend, re-do or rectify any work improperly performed or not according to plans and estimates or specifications in his judgment and the contractor shall comply.

34.3 Failure of the Departmental Representative to disapprove any work or materials shall not prejudice the power of the Engineer-in-charge thereafter to disapprove such work or materials and to order the pulling down, removal or breaking up thereof. If the contractor shall be dissatisfied by reason of any decision of the departmental representative, he shall be entitled refer to the matter to the Engineer-in-charge who shall thereupon, confirm or reverse such a decision.

33.4 The Contractor shall give or provide all necessary, constant and whole-time superintendence during the execution of the works and as long thereafter as the Engineer-in-charge may consider necessary by either;

(i) Personally superintending the work himself

OR

(ii) Employing a skilled and qualified Resident Engineer thoroughly experienced in the type of work to be executed and fully authorized to receive and execute on behalf of the contractor, orders, instructions or directions of the Engineer-in-charge without delay and to promptly supply such materials, labour equipments, tools and incidentals as may be required.

34.1 The Contractor will be held strictly responsible to the true intent of the specification in regard to quality of materials, workmanship and the diligent execution of the contract.

34.2 All materials and each part of detail of the work shall be subject at all times to inspection by the Engineer-in-charge, Departmental Representative or other authorized subordinates who shall be furnished with responsible facilities and assistance by the

contractor for ascertaining whether or not the work as performed or the materials used are in accordance with the requirements and intent of the plant and specifications.

34.3 The contractor shall furnish written information to the Engineer-in-charge stating the original source of supply and dates of manufactures of all materials manufactured away from the actual site of work. This information shall be furnished at least two weeks (or such other period as may be detected by the Engineer-in-charge) in advance of the incorporation of any such material in the works.

34.4 Any work done or materials used without supervision of inspection by the Engineer-in-charge or the Departmental Representative is liable to be ordered to be removed and replaced at the contractor's expenses.

34.5 If so directed, the contractor shall at any time before the acceptance of the work, remove or uncover such portion of the finished work as may be directed. After examination, the contractor shall restore the said portion of the work to the standards required by the specifications. The work shall not be considered to have been completed in accordance with the terms of the contract until the Engineer-in-charge shall have certified in writing that it has been completed to his satisfaction. No approval of materials or workmanship or approval of part of the work during when alleged to be completed or to suspend the issue of his certificate of completion until such alterations or modifications or reconstructions have been effected as shall enable him to certify that the work has been completed to his satisfaction.

34.6 The inspection of the work or materials shall not relieve the contractor of any of his obligations to fulfill terms of the contract as here in prescribed by the plans and specifications.

35.1 Unless otherwise provide in the contract documents materials such as rubble, gravel, sand, murrum Kankar, earth, soil etc. obtained from excavation and materials obtained by dismantling any existing structures shall remain the property of the University. When deemed fit, the Executive Engineer may with the approval of competent authority permit the use of such materials on the work in substitution of materials which the contractor would have otherwise provided subject to the condition that a suitable deduction shall be made in the rate of the items in which such materials are used.

35.2 Any trees, branches, bushes, crops etc. which may be required to be cut during the execution of the work shall be handed over to the University or disposed of as directed.

36. The contractor shall be required to keep at the site of the work the following Technical staff, for works costing Rs. 2 lacs and above as under :-

When a work costing up to Rs. 25 lacs is under execution.	Experienced foreman / munshi
When a work costing Rs. 25 lacs and above up to Rs. 50 lacs is under execution.	A qualified Diploma Holder (Civil) with sufficient experience
When a work costing more than Rs. 50 lacs is under Execution.	A qualified Civil Engineer (Degree Holder) with sufficient experience of work.

37. University shall not be responsible for any depreciation in the value of securities,

nor for any loss of interest thereon.

38. Canvassing in connection with a tender in any form renders the tender liable to rejection.

39. In case of any discrepancy between description in words and figures quoted by a tenderer, the description in words shall prevail.

40. If there are varying or conflicting provisions made in any document forming part of the contract, the accepting authority shall be the deciding authority with regard to the intention of the document.

41. If, however, the contractor seeks some assistance from the University in connection with arranging water/electric connection from the public utility service authorities, for the purposes of University work such assistance only to the extent of writing a letter from the Engineer-in-charge to the authority concerned for giving such connection may be provided. All charges etc. shall be borne by the contractor.

The university may, on application of the contractor, issue essentiality certificate for diesel/ petrol (if it becomes a controlled commodity) required for carriage of materials to be used on the work but the university will not undertake any responsibility for the arrangement of such petrol/diesel. Non-availability of any such material will not absolve the contractor of his contractual obligation.

42. The University reserves the right to cancel the contract ex-parte if the contractor fails to abide by any of the terms and conditions of the contract.

43. In case of cancellation of the contract the University shall continue the work at the risk and expenses of the contractor.

44. The arbitration comes into existence only if the para 45 and/or 46 is disputed.

45. If agency will use PPC cement instead of OPC cement, Rs.25/- per bag shall be deducted from the bills. Similarly, if the agency will use any brand of steel instead of TATA/SAIL/RINL or IISCO, Rs. 6,000/- per M.T. shall be deducted from the bills.

46. The inspection of material will be made & the expenditure shall be borne by the agency.

CHAPTER – 9

Contractor's Labour Regulations

1. Short-Title: - These shall be the same as for Haryana P.W.D. Contractor's Labour Regulations as detailed below. The words P.W.D and Haryana govern met shall be substituted by CDLU Construction Department and CDLU authority respectively

2. Definition :- In there regulations, unless otherwise expressed or indicated, the following words and expressions shall have meaning hereby assigned to them respectively that is to say.

(1) "Labour" mean workers employed by Haryana Public Works Department contractor directly, or indirectly through a sub-contractor or other person, or by an agents on his behalf.

(2) "Fair Wages" mean wages whether for time or piece work notified from time to time for the area and where such wages have not been so notified, the wages prescribed by the Haryana Public Works Department for the district in which the work is done.

(3) "Contractor" shall include every person whether a sub-contractor of headman or agent, employing labour on the work taken on contract.

(4) "Wages" shall have the same meaning as defined in the payment of wages Act, 1936 and includes time and piece rate wages.

3. Display of notices, 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 clean and legible condition in conspicuous places on the work notice in English and in the local Indian language spoken by the majority of the workers giving the fair wages notified or prescribed by the Haryana Workers Department and the hours of work for which such wages are earned.

4. Payment of wages :

- (i) Wages due to every worker shall be paid to him direct
- (ii) All wages shall be paid on current coin or currency or in both.

5. **Fixation of wage period:**

(1) The contractor shall fix wage periods in respect of which the wages shall be payable.

(2) No wage period shall exceed one month.

(3) Wages of every workman employed on the contract shall be paid before expiry of ten days after the last day of the wage period in respect of which the wages are payable.

(4) When 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 day succeeding the one on which employment is terminated.

(5) All payments of wages shall be made on a working day.

6. **Wage Book and Wages Slips etc.**

be convenient but the same shall include the following particulars ;_

- (a) Rate of daily or monthly wages.

- (b) Name of work on which employed.
- (c) Total Number of days worked during each wage period.
- (d) Total amount payable for the work during each wages period.
- (e) All deductions made from the wages with an indication in each case of the ground for which the deduction is made.
- (f) Wages actually paid for each wage period.
- (2) The contractor shall also maintain a Wage Slip for each worker employed on the work
- (3) The authority competent to accept the contract may grant an exemption form the maintenance of Wage Book and Wage Slips to a contractor who, in his option, may not directly or indirectly employ more than 100 persons on the work.

7. Fines and deductions which may be made from wages:-

- (1) 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 places where by the terms of his employment he is required to work. The amount of deductions shall be proportionate to the period for which he was absent.
 - (c) Deductions for damage to or loss *or* goods expressly entrusted to the employed person for custody or for loss of money for which he is required to account, where such damage of loss is directly attributable to his neglect or default.
 - (d) Any other deductions which the University may from time to time allow.
- (2) No fine shall be imposed on a worker and no deductions for damage or loss shall be made from his wages until the worker has been given an opportunity of showing cause against such fine or deductions.
- (3) The total amount of fines which may be imposed in anyone wage period of a worker shall not exceed an amount equal to three paise in a rupee of the wage payable to him in respect of that wage period.
- (4) No fine imposed on any worker shall be recoverable from him by installments, or after the expiry of 60 days from the date on which it was imposed.

8. Register of fine etc :-

- (1) The contractor shall maintain a register of fines and of all deductions for damage or loss. Such register shall mention the reason for which fine was imposed or deduction for damage or loss was made.
- (2) The contractor shall maintain a list in English and in the local Indian language, clearly defining acts and commission for which penalty of fine can be imposed. He shall display such list and maintain it in a clean and legible conditions in conspicuous places on the work.

(9) Preservation of Books:- The wage book, the wage slips and the register of fine deduction required to be maintained under these regulations shall be preserved for 12 months after the date of the last entry made in them.

(10) Powers of Labour Welfare Officers to make investigations or enquiry:-

The labour Welfare officer or any other person authorized by the Haryana Government on their behalf shall have power to make enquiries with a view to ascertaining and enforcing due and proper observance of the wage clause and provisions of these regulations. He shall investigate into any complaint regarding the default made by the contractor or sub contractor in regard to such provision.

(11) Report of Labour Welfare :-

The labour Welfare Officer or any other person authorized aforesaid shall submit a report of the result of his investigations or enquiry to the Executive Engineer concerned indicating the extent, if any, to which the default has been committed and the amount of fine recoverable in respect of the acts of commission and omission of the labourers with a note that necessary deduction from the contractor's bill be made and the wages and other dues be paid to the labour concerned.

(12) Appeal Against the decision of Labour Welfare Officer:-

Any person aggrieved by the decision and recommendation of the Labour Welfare Officer or other person so authorized may appeal against such decision to the Labour Commissioner, but subject to such appeal the decision of the officer shall be final and binding upon the contractor.

(12) (a) No. party shall be allowed to be represented by a lawyer during any investigation, enquiry, appeal or any other proceedings under these regulations.

(13) Inspection of register:-

The contractor shall allow inspection of the Wage Book, Wage Slips to any of his workers or to his agent at a convenient time and place after due notice is received **I** or to the Labour Welfare Officer or any other person authorized by the Haryana Government in his behalf.

14. Submission of returns :-

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

(15) Amendment :-

The Haryana Government may, from time to time, add to amend these regulations and on any question as to the application interpretation or effect of these regulation, the decision of the Labour Commissioner, Haryana Government, or any other person authorized by the Haryana Government in that behalf shall be final.

CHAPTER – 10

FAIR WAGE CLAUSE

(a) The contractor shall pay not less than the fair wage to labourers engaged by him on the work.

Explanation :- The Wage means wage whether for time or piece of work notified from time to time for area and where such wages have not been so notified, the wages prescribed by the P.W.D. B&R Branch. Haryana for the district in which work is done.

(b) The contractor shall, notwithstanding the provisions of any agreement to the contrary, cause to be paid fair wage to labours indirectly engaged on the work including any labour engaged by his sub-contractors in connection with the said work, as if the labourers has been directly employed by him.

(c) In respect of all labour directly or indirectly employed on the work for the performance of the contractor's part of his agreement the contractor shall comply with or cause to be complied with the Haryana P.W.D. Contractor's Labour Regulations made by the Government from time to time in regard to payment of wages, wage period deductions from wages, recovery book, wage slip, publication of wages and other terms of employment inspection and submission periodical returns and all other matters of such like nature.

(d) The Executive Engineer or the S.D.E. concerned shall have the right to deduct, from the money due to the contractor, any sum required or estimated to be required for making good the loss suffered by worker by reason of non-fulfillment of the conditions of the contract for the benefit of the workers, non-payment of wages which are not justified by the terms of the contract or for non-observance of the regulations referred to in clause (e), above.

(e) Vis-a-vis, the Haryana Public Works Deptt. The contractor shall be primarily liable for all payments to be made under and for the observance of the regulations, aforesaid without prejudice to his right to claim indemnity from his sub-contractor.

(f) The regulation shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract.

CHAPTER – 11

RULES FOR THE PROTECTION OF HEALTH AND SANITARY ARRANGEMENTS FOR WORKERS EMPLOYED BY THE CONTRACTORS OF CH. DEVI LAL UNIVERSITY

THE WORDS HARYANA P.W.D. SHALL BE READ AS D.L.U. WHEREVER IT OCCURS

The contractor shall at his own expense provide or arrange for the provision of footwear for any labour doing cement mixing work (the contractor has undertaken to execute under this contract) to the satisfaction of the Engineer-in-charge and on his failure to do so, Government shall be entitled to provide the same and recover the cost thereof from the contractor.

The contractor shall submit by the 4th and 19th of every month to the Executive Engineer a true statement showing in respect of the second half of the preceding month and the first half of the current month respectively (i) the number of labourers employed by him on the work (ii) their work hours (iii) the wages paid to them (iv) 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 (v) the number of female workers who have been allowed Maternity benefit according to clause 19-F and the amount paid to them failing which the contractor shall be liable to pay to Government a sum not exceeding Rs. 50/- for each default or materially incorrect statement. The decision of the Executive Engineer shall be final deducting from any bill due to the contractor the amount levied as fine.

Maternity benefit for female workers employed by the contractor, leave and pay during leave shall be regulated as follows:-

(1) LEAVE: (i) In case of delivery/maternity leave not exceeding 8 weeks (4 weeks upto and including the day of delivery and 4 weeks following that day)(ii) In case of miscarriage: **Up** to 3 weeks from the date of miscarriage.

(2) PAY: In case of delivery, leave pay during maternity leave will be at the rate of the women's average daily earning calculated on the total wages earned on the day when full time work was done during a period of 3 months immediately preceding the date of which she gives notice that she expects to be confined, or at the rate of Rs. 12/- per day whichever is greater.

(ii) In case of miscarriage: Leave pay at the rate of average daily earnings calculated on the total wages earned on the days when full work was done during a period of 3 months immediately preceding the date of such miscarriage.

(iii) Conditions for the grant of maternity leave :- No maternity leave benefit shall be admissible to a woman unless she produces a certificate of confinement and respected delivery within 4 weeks preceding the date on which she proceeds on leave.

FIRST AID: (a) At every work place, there shall be maintained in readily accessible place first aid appliances including an adequate supply of sterilized dressing and cotton wools. The appliances shall be kept in good order and in large work places it shall be placed under the charge of a responsible person who shall be readily available

during the working hours.

(b) At large work places, where hospital facilities are not available within easy distance of the work, first aid post shall be established and be run by a trained compounder.

(c) Where large work places are remote from regular hospital and indoor ward shall be provided with one bed for every 250 employee.

(d) Where large work places are situated in cities, towns or in their suburbs and no beds are considered necessary owing to the proximity of city or town hospitals, a suitable transport shall be provided to facilitate removal of urgent cases to these hospitals.

At other work place some conveyance facilities such as car shall be kept readily available to take injured or persons suddenly taken seriously ill, to the nearest hospital.

SCALES OF ACCOMMODATION IN LATRINES AND URINALS

These shall be provided within the precincts of every work place latrines and urinals in an accessible place and the accommodation separately for each of them shall not be less than the following scales:-

	No. of Sheds.
(a) Where the number of persons does not exceed 50	2
(b) Where the number of persons exceeding 50 but does not exceeds 100	3
(c) For Every additional 100	3 per 100

In particular, cases the Executive Engineer shall have power to vary the scale where necessary.

LATRINES AND URINALS FOR WOMEN

If women are employed, separate latrines and urinals screened from these for men and marked in vernacular in conspicuous letter "FOR WOMEN ONLY" shall be provided on the scale laid in rules. Similarly, those for men shall be marked "FOR MEN ONLY", A poster showing the figures of a man and a woman shall also be exhibited at the entrance of latrine for each sex. There shall be adequate supply of water close to the latrines.

LATRINE AND URINALS

Except in work places provided with flush latrines concerned with a water borne sewerages systems all latrines shall be provided with receptacles or dry earth system which shall be in working order and kept in a strictly sanitary conditions. The receptacles shall be tarred inside and outside at least once a year.

The inside wall shall be constructed of masonry or some suitable heat resisting non-absorbent material and shall be cement washed inside and outside at least once a year. The dates of cement shall be noted in register maintained for this purpose and kept available for inspection.

DISPOSAL OF EXCRETA

Unless otherwise arranged for by the local sanitary authority arrangements for proper disposal and a sanitary of excreta by incineration at the work place shall be made by means of a suitable incineration approved by the Astd. Director of Public or Municipal Medical Officer of Health, as the case may be putting a layer of night soil at the bottom of pucca tank prepared for the purpose and covering it with 9 inches layer of

earth for a fortnight when it will turn into a manure.

CRECHE

At every work place there shall be provided free of cost two suitable sheds-one main and the other for the use of Labour. The height of the shelter shall not be less than eleven feet from the floor level to the lowest part of the roof.

PROVISION OF SHELTER DURING REST

At every work place at which 50 or more women workers are ordinarily employed there shall be provided two huts for use of children under the age of six years belonging to such women. One hut shall be used for infants "Game and to play" and the other as their bedrooms. The hut shall not be constructed on a lower standard than the following.

- (i) Thatched roofs.
- (ii) Mud floors and walls
- (iii) Plant spread over mud floor and covered with matting.

The huts be provided with suitable sufficient opening for light and ventilation's. There shall be adequate of sweepers to keep the place clean. There shall be two day in attendance. Sanitary utensils shall be restricted to the satisfaction of Health officer of there area concerned. The use of the shall be restricted to children, their attendants and mothers of children.

CANTEEN

A cooked food canteen on a moderate scale be provided for the benefit of workers wherever it is considered expedient.

- (i) Suitable scaffolds shall be provided for workmen for all works that cannot be safety done from a ladder or by other means.
- (ii) A scaffolds shall not be constructed, taken down or substantially altered except.
 - (a) Under the supervision of a competent and responsible person, and
 - (b) As far as possible by competent worker possessing experience in this kind of work.
 - (c) All scaffolds and appliances connected therewith and all ladder shall:-
 - (1) be of sound materials;
 - (2) be of adequate strength having regard to the loads and strains to which they will be subjected and
 - (3) be maintained in proper condition.
 - (4) Scaffolds, shall not be overloaded and so far as practicable, the load shall be evenly distributed.
 - (5) Scaffolds shall be so constructed that no part thereof can be displaced in

on normal use.

- (6) Before installing, lifting gear on scaffolds special precautions shall be taken to ensure the strength and stability of the scaffolds.
- (7) Scaffolds shall be periodically inspected by the competent person.
- (8) Before allowing a scaffold to be used by the workmen every care shall be taken to see whether the scaffolds have been erected by his workmen or not and steps taken to ensure that it complies fully with the requirements of the articles.
- (9) Working platforms, gangways and stairways shall:
 - (a) be so constructed that no part of the road is covered.
 - (b) Be so constructed and maintained, having regard to the prevailing condition as to reduce as far as practicable.
 - (c) Be kept free from any unnecessary obstruction.
 - (d) In case of working platform, gangways, place and stairways at a height exceeding that to be prescribed by national laws and regulations:-
 - (i) Every working platform and every gangway shall be closely boarded unless other adequate measures are taken to ensure safety.
 - (ii) Every working platform and every gangway shall have adequate width and
 - (iii) Every working platform, gangways, working place and stairway shall be suitably fenced.

Every opening in the floor of a building or in working platform shall be protected for the time and to the extent required to allow the access of persons or the transport or shifting of materials by providing suitable means to prevent the fall of persons or materials.

When persons are employed on a roof where there is a danger of falling from a height exceeding that to be prescribed by national laws or regulation, suitable precautions shall be taken to prevent fall of persons or materials.

Suitable precautions shall be taken to prevent persons being struck by articles which might fall from scaffolds or other working places.

- (1) Suitable means of access shall be provided to all working platforms and other working places.
- (2) Every place where work is carried on the means of approach thereto shall be adequately lighted.
- (3) Every ladder shall be securely fixed of such length as to provide secure hand hold and foot at every position at which it is used.
- (4) Adequate precautions shall be taken to prevent danger from electrical equipment.
- (5) No materials on the site shall be stacked or placed as to cause danger to any persons.

GENERAL RULES AS TO SAFETY EQUIPMENT AND FIRST AID

- (1) All necessary personal safety equipment shall be kept and available for use of the persons employed on the site be maintained use.
- (2) The worker shall be required to use the equipment thus provided and the employed shall take adequate steps to ensure proper use of the equipment by those concerned.

Adequate provision shall be made for prompt first aid treatment of all injuries likely to be sustained during the course of the work.

CHAPTER – 12

CEMENT REGISTER

Particulars of Receipt of:

Date	Qty brought at site	Progressive total	Qty. utilized	Daily Balance	Signature of Contractor/ bidder/ Representative	J.E.'s initials	Check SDE/EE
1.	2.	3.	4.	5.	6.	7.	8.

CHAPTER – 13

List of essential equipment and machinery to be arranged by the Contractor/ bidder free of cost:

(a) FOR CONSTRUCTION

Following equipment and machinery shall be arranged by the Contractor/ bidder (free of cost) in sufficient no./quantity, commensurate with the time schedule for completion of work.

Details to be given by bidder

1. Steel shuttering -----
2. Concrete mixer with hoppers -----
3. Concrete Vibrators -----
4. Pump Sets (for dewatering of sub soil water) -----
5. G. I. Pipe line with specials -----
6. Flexible pipe line -----
7. Theodolite -----
8. Dumpy level with leveling staff -----
- Plane table set -----

9. b) FOR FIELD LABORATORY

- Compression testing machine -----
- Concrete cube moulds 150 x 150 x 150mm -----
1. Slump cones -----
 2. Graduated glass cylinder -----
 - Set of sieves for Coarse aggregate (40, 20, 10 & 4.75) mm -----
 6. Set of sieves for fine aggregate (4.75, 2.36, 1.18 mm & 600, 300, 150 micron) -----
 7. Weighing scale (Pan type) with weights. -----
 8. Core cutters for soil with accessories. -----

CHAPTER - 14

EXPLANATORY NOTES:-

A SPECIAL CONDITIONS CIVIL AND P.H. WORK

The above rates are for complete work including cost of all materials, labour, tools and plants and water etc. unless otherwise specified.

1. All other such items covered by the Haryana P.W.D. schedule of rates 1988, 2nd edition corrected upto date carried out, if, any, will be paid for as per Haryana P.W.D. schedule of rates 1988, 2nd edition corrected upto date subject to the accepted tendered premium/abatement given by the contractor for similar items of relevant chapter.
2. All clauses and notes given in the Haryana PWD schedule of rates, 1988 second edition with up to date correction slips shall be applicable to all above items wherever necessary.
3. The description, rate, units etc., of above schedule shall be corrected as per Haryana PWD schedule of rates, 1988 second edition in case of any error or omission.
4. Chapter numbers with items in bracket referred to above are of Haryana schedule of rates, 1988 second edition, correct up to date.
5. The whole work shall be carried out strictly in accordance with the Haryana PWD specification book, 1990, 1st edition, as applicable in Haryana state with upto date correction slips.
6. No premium shall be payable on the items which are not provided in the Haryana PWD schedule of rates, 1988, 2nd edition corrected upto date.
7. The contractor shall provide suitable measuring arrangements at site for checking of various articles brought by him to ensure mixing in specified proportions.
8. Analysis of rate for non-schedule items/non-agreement items i.e. items which are not provided in the Notice inviting Tenders / Haryana PWD schedule of rates 1988, second edition corrected up to date shall be payable as per actual lowest Market rates from the recognized public market suitable to the executing division and wages of labour as applicable at the time of execution of work plus admissible contractor's profit and over head charges. For such items of materials, the contractor shall be required to produce original vouchers which shall be subjected to verification by the Engineer-in-charge if deemed necessary. The rates for non-schedule items shall be approved by the competent authority.
9. The quantities of items given in the schedule are tentative. Those can be increased or decreased as per working architectural Drawing / structural drawings.
10. For quality control the contractor shall be required to use cement concrete mix giving minimum cube strength as may be prescribed in the relevant structure drawings of work. For cement concrete & cement mortar work and other items the test should be regularly carried out as per procedures laid down in relevant ISI & other codes at the expenses of the contractor. The rates provided in the HSR 1988, second edition include the cost of such testing. The Contractor shall establish a testing laboratory at the site of work for carrying out all the field tests for ensuring quality of material and the work at his own cost.
11. Samples of all building materials, doors and window fittings and other articles required for use on the work shall be got approved from the Engineer-in-charge. Articles classified, as 'First quality' by the manufacture shall be used. Articles,

which are not 'First Quality', shall be rejected by the Engineer-in-charge. Preference shall be given to those articles, which bear I.S.I certificate on mark. In case articles bearing I.S.I. certification make are not available, the quantity of sample brought by the contractor shall be judged by the standard laid down in the relevant I.S.I specification. All materials and articles brought by the contractor to the site of work for use shall be confirmed.

12. The contractor shall provide such recesses, holes, openings etc., as directed by Engineer-in-charge, as required for the Electrical/sanitary work and nothing shall be payable on this account.
13. Irrespective of what is stated in para 9(b) of General rules of Haryana PWD schedule of rate 1988, second edition, no carriage of cement, steel & bricks or any other type of material shall be admissible irrespective of lead involved.
14. Plumbing and EI work shall be got done through license holder agencies.
15. Anti-termite work shall be got done from the agency which is a member of Pest Control of India or 8 years experience in this job.
16. Cement, Steel & other Materials:- All the materials to be used on the work shall be arranged by the Contractor as per the list of approved makes attached in this document.
17. All the flooring like terrazzo, kota stone or marble flooring should be granite finished. No extra rate shall be paid on this account to the contractor.
18. Thickness of R.C.C. shall be measured and paid for as per structural sizes designed.
19. Steel used supports, spacers and for hooks and overlaps which are not approved i.e. which are not provided according to the drawing or the instructions of Engineer-in-Chief shall not be measured for payment.
20. Only ISI marked manufactured flush door shutter, ply and block board should be used where ever required.
21. Steel butt hinges shall strictly conform to Indian standards specifications, ISI-1341-1970 (Latest edition) and dimensions given in table 2 for medium weigh cold rolled mild steel butt hinges of the above specifications. Hinges shall be good workmanship and manufactured by the firm of good repute.
22. Where ever brick work or earth filling / embankment work is to be executed the same has to be executed in accordance with the provision in the fly. Ash notification dated 4.9.99 & 27.8.03 i.e. by using fly as brick filling / embankment construction by pond Ash / fly Ash as specified in the aforesaid notification after getting the design approved from the Engineer-in-Charge.
23. **The inspection of material will be made & the expenditure shall be borne by the agency.**

B SPECIAL CONDITIONS [E.I. WORK]

24. The recovery of pipe already laid will be made on measurement rate basis or point rate basis or on actual expenditure basis which ever is on higher side. In case of departmental work 10% supervision charge shall be added.
25. Conduit pipe where already laid for wiring purpose will be delivered to the contractor in absolutely clean condition with round inspection boxes duly painted covered and whole system tested. After the conduit system is handed over to the contractor to whom the work is allotted, he will be responsible for its up keep.
26. During execution of work, if the contractor does not lay pipe and its accessories in the slab within time prescribed by the Engineer-in-charge of the work, the department can then lay the said pipe departmentally at Contractor's risk and cost without operating the clause 2&3 of the contract agreement.

27. The rate of bus bars includes the cost of all materials and labour required to complete the job in all respect including thimble etc. of the same materials as that of bars. The support for bars will be made of best porcelain. No extra payment in this regard will be given.
28. MCB's & enclosure etc. will be installed of one make.
29. The rates mentioned in the NIT are for complete items including cost of all accessories materials, labour, tool's plants, water electricity bill etc. Unless otherwise specified, no extra payment for the same shall be made.
30. The contractor shall provide suitable measuring arrangement at site for checking and measuring for various items.
31. The tenderer must either he himself be holder of license of "A" Class Electrical contractor granted under rule 45 of the Indian Electricity rules. 1956 by Chief Electrical inspector Haryana, is enlisted with electrical wing of the department in appropriate category and is specialist for doing these type of work or he must sublet the electric work to a sub contractor possessing the above qualifications. The sub contract will be done with the written approval of the Executive Engineer, Chaudhary Devi Lal University, Sirsa.
32. The contractor will install the material from the list of material appended in the N.I.T.
33. The contractor must employ the following staff while carrying out works :-
 - 1 When any work costing more than Rs. 50000/- to Rs. 25.00 lacs is : One qualified foreman (elect.) under execution.
 - 2 From 25.00 lacs upto 50.00 lacs : One qualified Elect. J.E. with sufficient experience.
 - 3 Above 50.00 lacs : One qualified (Elect.) Degree holder.
34. The electrical parts of the bill of quantity of the agreement will be got executed under the supervision of Engineer – in – charge.
35. Separate conduit pipe for power plug with independent circuit wires for each power plug should be laid for which no additional payment will be made. The difference of cost of wires of higher size than 4 Sq. mm will be paid extra on measurement basis, wherever required.
36. Multi plug should be provided in all residential buildings and in case of non-resident building, multi plugs should be provided in computer room, Doctor's room and Lab etc. for which no extra payment will be made.
37. G - Series MCBs will be provided for motor and air conditioner wiring and no extra payment will be made.
38. Vertical type of MCBs distribution boards will be provided wherever required as per design and no payment will be made what so ever.
39. The thickness of M.S. sheet of switch boxes should be of 16 gauge for which no extra payment will be made.
40. The fan boxes should be 16 gauge and anodised for which no extra payment will be made.
41. The contractor must ensure preparation and submission of the pipe diagram, wiring diagram, key diagram and cable diagram etc as required vide PWD specification chapter No. 31.6.
42. Only standard PVC cable shall be used at site.
43. The minimum size of M.S. control switch board for one fan point and light point and light point shall not be less than 20 cm X 25 cm X 10 cm.
44. The M.S. box for telephone intercom bell bush shall be installed of size 100 mm x 100 mm x 60 mm in place of 75 mm x 75 mm x 60 mm.

45. The contractor is allowed to use MCB of 10 K.A. rupturing capacity duly I.S.I. marked for which no extra payment will be made.
46. Where so ever specific makes have been mentioned in the Schedule of work, these will supercede as mentioned elsewhere.
47. PVC copper conductor wires and copper lugs I.S.I. marked in place of PVC Aluminium conductor wires & Aluminium lugs will be used except underground cables / main cables. No extra payment on this account will be made.
48. L.T. underground XLPE cable will only be used for which no extra payment will be made.

CHAPTER - 15
SPECIMEN

A FORM OF PERFORMANCE BANK GUARANTEE

Name of Employer: -----

Address of Employer: -----

WHEREAS (Name & Address of Contractor/ bidder -----

Herein after called "the Contractor/ bidder") has undertaken, in pursuance of contract no.-
-----dt -----to execute (Name of Contract & Brief description of works
----- called "the contract")

AND WHEREAS it has been stipulated by you in the said contract that the Contractor/
bidder shall, furnish you with a Bank Guarantee by a recognized bank for this sum
specified therein as security for compliance with his obligations in accordance with the
contract.

AND WHEREAS we have agreed to give the Contractor/ bidder such a Bank Guarantee:

NOW THEREFORE (we hereby affirm that we are the Guarantor and responsible to you,
on behalf of the Contractor/ bidder, upto a total of amount of Guarantee -----

(In words) ----- we undertake to
pay you, upon your first written demand and without cavil or argument, any sum or sums
within the limits of amount of guarantee ----- as
aforesaid without your needing to prove or to show the grounds or reason for your
demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor/
bidder before presenting us with the demand.

We further agree that no change or addition to or other modifications of the terms of the
contract or of few works to be performed there under or any of the contract documents
which may be made between you and the Contractor/ bidder shall in any way release us
from any liability under this guarantee, and we hereby waive notice of any such change,
addition or modification.

This guarantee is valid until the date ----- months after
the issuing of the maintenance certificate.

SIGNATURE & SEAL OF THE GUARANTOR -----

Name of the Bank -----
Address -----
Date -----

**SAMPLE FORMAT FOR EVIDENCE OF ACCESS TO OR
AVAILABILITY OF CREDIT FACILITIES IN THE CASE OF TENDER
COSTING MORE THAN RS.100.00 LACS**

BANK CERTIFICATE

This is to certify that M/s. _____ is a reputed agency with a good financial standing.

If the contract for the work, namely _____ is awarded to the above firms, we shall be able to provide overdraft/credit facilities to the extent of Rs. _____ to meet their working capital requirements for executing the above contract during the contract period.

(Signature)

Name of Bank

Senior Bank Manager

Address of the Bank

CHAPTER – 16

Proforma of Agreement

The successful tenderer will submit the agreement for the contract on non Judicial stamp paper. The Proforma of the agreement is given below:

Agreement

An agreement made on this day _____ at Sirsa between the Ch. Devi Lal University Sirsa through its Registrar hereinafter called the Ch. Devi Lal University which expression shall include where the context so admits, the representatives, successors or assignee under the law in force for the time being on the one part and “_____” (**name of the contractor**) which expression shall includes where the context so admits the representatives, successor or assignee under the law in force for the time being on the other part witnessed as follows.

That the work “_____” has been allotted to the firm vide letter No. _____ dated _____ with an approximate cost of Rs. _____ only.

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the conditions of contract hereinafter referred to and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be ready and construed as part of this Agreement viz.
 - i) Letter of Acceptance
 - ii) Notice to proceed with the work
 - iii) Contractor’s Bid
 - iv) Condition of Contract: General and Special
 - v) Conditions of clauses
 - vi) Additional conditions
 - vii) Drawings
 - viii) Bill of Quantities and
 - ix) Any other documents listed in the tender document as forming part of the Contract.

In witnessed whereto the parties there to have caused this Agreement to be executed the day and year first before written.

CONTRACTOR WITNESS EXECUTIVE ENGINEER REGISTRAR

INDENTURE FOR SECURED ADVANCES

FORM 31

(for use in cases in which the contract is for finished work and the contractor has entered into an agreement for the execution of a certain specified quantity of work in a given time).

This indenture made the _____ day of _____, 20____
BETWEEN _____ (hereinafter called the contractor which expression shall where the context so admits or implies be deemed to include his executors, administrators and assigns) or the one part and the Employer of the other part.

Whereas by an agreement dated _____ (hereinafter called the said agreement) the contractor has agreed.

AND WHEREAS the contractor has applied to the Employer that he may be allowed advanced on the security of materials absolutely belonging to him and brought by him to the site of the works the subject of the said agreement for use in the constructions of such of the works as he has undertaken to executive at rates fixed for the finished work (inclusive of the cost of materials and labour and other charges).

AND WHEREAS the Employer has agreed to advance to the Contractor the sum of Rupees _____ on the security of materials the quantities and other particulars of which are detailed in Accounts of Secured Advances attached to the Running Account bill for the said works signed by the Contractor on _____ and the Employer has reserved to himself the option of making any further advance or advances on the security of other materials brought by the Contractor to the site of the said works.

Now THIS INDENTURE WITNESSETH that in pursuance of the said agreement and in consideration of the sum of Rupees _____ on or before the execution of these presents paid to the Contractor by the Employer (the receipt where of the Contractor doth hereby acknowledge) and of such further advances (if any) as may be made to him as a for said the Contractor doth hereby covenant and agree with the President and declare as follows:

- (1) That the said sum of Rupees _____ so advanced by the Employer to the Contractor as aforesaid and all or any further sum of sums advanced as aforesaid shall be employed by the Contractor in or towards expending the execution of the said works and for no other purpose whatsoever.
- (2) That the materials details in the said Account of Secured Advances which have been offered to an accepted by the Employer as security are absolutely the Contractor's own propriety and free from encumbrances of any kind and the contractor will not make any application for or receive a further advance on the security of materials which are not absolutely his own property and free from encumbrances of any kind and the Contractor indemnified the Employer against all claims to any materials in respect of which an advance has be made to him as aforesaid.
- (3) That the materials detailed in the said account of Secured Advances and all other materials on the security of which any further advance or advances may hereafter be made as aforesaid (hereafter called the said materials) shall be used by the Contractor solely in the execution of the said works in accordance with the directions of the Engineer-in-Charge.

- (4) That the Contractor shall make at his own cost all necessary and adequate arrangements for the proper watch, safe custody and protection against all risks of the said materials and that until used in construction as aforesaid the said materials shall remain at the site of the said works in the Contractor's custody and on his own responsibility and shall at all times be open to inspection by the Engineer-in-Charge or any officer authorized by him. In the event of the said materials or any part thereof being stolen, destroyed or damaged or becoming deteriorated in a greater degree than is due to reasonable use and wear thereof the Contractor will forthwith replace the same with other materials of like quality or repair and make good the same required by the Engineer-in-Charge.
- (5) That the said materials shall not be any account be removed from the site of the said works except with the written permission of the Engineer-in-Charge or an officer authorized by him on that behalf.
- (6) That the advances shall be repayable in full when or before the Contractor receives payment from the Employer of the price payable to him for the said works under the terms and provisions of the said agreement. Provided that if any intermediate payments are made to the Contractor on account of work done than on the occasion of each such payment the Employer will be at liberty to make a recovery from the Contractor's bill for such payment by deducting there from the value of the said materials than actually used in the construction and in respect of which recovery has not been made previously, the value for this purpose being determined in respect of each description of materials at the rates at which the amounts of the advances made under these presents were calculated.
- (7) That if the Contractor shall at any time make any default in the performance or observance in any respect of any of the terms and provisions of the said agreement or of these presents the total amount of the advance or advances that may still be owing of the Employer shall immediately on the happening of such default be repayable by the Contractor to be the Employer together with interest thereon at twelve per cent per annum from the date or respective dates of such advance or advances to the date of repayment and with all costs, charges, damages and expenses incurred by the **Employer** in or for the recovery thereof or the enforcement of this security or otherwise by reason of the default of the Contractor and the Contractor hereby covenants and agrees with the **Employer** to reply and pay the same respectively to him accordingly.
- (8) That the Contractor hereby charges all the said materials with the repayment to the Employer of the said sum of Rupees _____ and any further sum of sums advanced as aforesaid and all costs, charges, damages and expenses payable under these presents PROVIDED ALWAYS and it is hereby agreed and declared that notwithstanding anything in the said agreement and without prejudice to the power contained therein if and whenever the covenant for payment and repayment here-in-before contained shall become enforceable and the money owing shall not be paid in accordance there with the **Employer** may at any time thereafter adopt all or any of the following courses as he may deem best :
- (a) Seize and utilize the said materials or any part thereof in the completion of the said works on behalf of the contractor in accordance with the provisions in that behalf contained in the said agreement debiting the contractor with the actual cost of effecting such completion and the amount due to the contractor with the value of work done as if he had carried it out in accordance with the said agreement and at the rates thereby provided. If the balance is against the contractor, he is to pay same to the **Employer** on demand.
- (b) Remove and sell by public auction the seized materials or any part thereof and out of the moneys arising from the sale retain all the sums aforesaid repayable or payable to the **Employer** under these presents and pay over the surplus (if any) to the Contractor.

- (c) Deduct all or any part of the moneys owing out of the security deposit or any sum due to the Contractor under the said agreement.
- (9) That except in the event of such default on the part of the contractor as aforesaid interest on the said advance shall not be payable.
- (10) That in the event of any conflict between the provisions of these presents and the said agreement the provisions of these presents shall prevail and in the event of any dispute or difference arising over the construction or effect of these presents the settlement of which has not been here-in-before expressly provided for the same shall be referred to the Employer whose decision shall be final and the provision of the Indian Arbitration Act for the time being in force shall apply to any such reference.

CHAUDHARY DEVI LAL UNIVERSITY SIRSA

(Established by the State Legislature Act 9 of 2003)

Letter of Acceptance

To

_____ (Name and address of the Contractor)

Dear Sir,

This is to notify you that your Bid dated _____ for execution of the _____ (name of the contract and identification number as given in the Instructions for the contract Price of Rupees) _____ (_____) (amount in words and figures), in accordance with the Instructions to Bidders' laid down in the tender document is hereby accepted by the University on the following rates, terms and conditions: -

You are hereby requested to furnish Performance Security, in the form detailed in Clause **35** of conditions of clause for an amount equivalent to Rs. _____ within 21 days of the receipt of this letter of acceptance valid up to 30 days from the date of expiry of defects Liability Period i.e. up to _____ and sign the contract, failing which action as DNIT will be taken.

Executive Engineer

CHAUDHARY DEVI LAL UNIVERSITY SIRSA

(Established by the State Legislature Act 9 of 2003)

Issue of Notice to proceed with the work

To

_____ (Name and address of the Contractor)

Dear Sir,

Pursuant to your furnishing the requisite security as stipulated in DNIT and signing of the
Contract _____ for _____ the _____ construction
of _____

_____ at _____ a Bid Price of _____ Rs.

_____.

You are hereby instructed to proceed with the execution of the said works
in accordance with the contract documents.

Executive Engineer

CHAPTER - 17

List of approved makes for Civil Works & Sanitary / Water supply Works

Details of Materials	Manufacturers Name
Steel	TMT bars of (TISCON / SAIL / RINL/TATA/ IISCO)
Cement	Ordinary Portland Cement or PPC of 43 grade of JK (Nimbahera) / JK (Laxmi) / Birla Uttam / JK (Shakti) / Chetak / Ambuja / Shree or equivalent
Distemper/Paints Plastic Emulsion Synthetic Enamel Oil Bound Distemper Waterproof cement paint	Berger/Asian /Nerolac or equivalent --do-- ---do--- Snowcem Plus of M/s Snowcem India Ltd. or equivalent
chemical emulsion for anti termite treatment (Chloropyriphosemulsifiable concentrate)	Dursban 50 TC / Terrashield 50 TC or equivalent
Wood Work Ply board/ Plywood (Pine board) Laminate Veneer Ply Flush Door Locks Anodised Aluminium fittings for door & windows Door closer Floor springs	Green / Duro / Mayur or equivalent Greenlam / Duro Mica or equivalent Duro / Green / Mayur or equivalent Duro Doors / Mayur / Green or equivalent Godrej / Golden / Indo brass / Harrison or equivalent Nu-lite /Argent / Classic (heavy duty) or equivalent Everite / Prabhat / Door King or equivalent Sandhu / Prabhat / Door King or equivalent
Dholpur / red sand stone	Gang saw cut from Bansipaharpur Quarry
Aluminum sections for doors & windows etc.	Jindal / Hindalco or equivalent
Aluminium Composite Panel	Alcubond / Alstone / Fujibond or equivalent
Silicon sealant	GE / Dow corning / Pidilite or equivalent
Specialised agencies for Aluminium glazing / Structural glazing / Aluminium door & windows / ACP work.	Alkarma / Bharat Archimetal / AGV Aluminium (P) Ltd. or equivalent
Anti – static homogeneous vinyl flooring	ARMSTRONG / LG LUCKSTRONG – GALAXY / GERFLOR) or equivalent
Ceramic/Glazed tiles	Kajaria / Euro / Johnson or equivalent
Vitrified Tiles	Boss Profiles Ltd. / Euro Ceramics Ltd or equivalent
Float Glass	Modi Glass / Saint Gobain Glass or equivalent
Reflective Glass	Saint Gobain / Asahi (India) or equivalent
Looking glass / mirror	Modi Guard / Atul or equivalent
Textured paint	Unitile products / Heritage (Bakelite Hylam Ltd) / Spectrum or equivalent

Vertical / Venetian Blinds	Mac Décor / Vista Levealor / Neha's Touch or equivalent
Approved agency for Acoustic works (false ceiling & wall panelling)	IBS (Intelligent Building solutions / Alloy enterprises or equivalent
Approved agency for Stage Lighting & Furnishing	New Stage Craft / Modern stage / IBS (Intelligent Building solutions) or equivalent
Approved agency for Stainless steel railing	Jindal Stainless Ltd. / Kich / Khurana Fab or equivalent
Gypsum Board	India Gypsum / Lafarge Boral or equivalent
Precoated Galvanised sheets	Multicolor / Interarch or equivalent
Polysulphide Sealant	Ordinary PIDISEAL by M/s PIDILITE INDUSTRIES LTD. Bombay or TUFFESEAL by M/s Hindustan Brothers 225 Rue Francuis Martin, Pondicherry –605001. or equivalent
Specialised agency for expansion joint treatment	M/s Globe Enterprises / M/s Technocrats / M/s Tuff waterproofing Co. or equivalent
Waterproofing Compound	FOSROC / PIDILITE / DR. FIXIT (As per specifications given in BOQ) or equivalent
Chairs	Krishna Quinnet / Polo / Godrej / Featherlite or equivalent
HCI pipes	RIF (Raj Iron Foundary) / RIFKO or equivalent
G. I. Pipes	TATA / Jindal Hisar (as per class specified in the BOQ) or equivalent
G. I. Fittings	UNIK / Mark or equivalent
Upvc pipes	Supreme / Finolex or equivalent
Stone ware pipes	Perfect Potteries / ISI or equivalent
Chinaware	Hindware / Parryware / Cera or equivalent
Bakelite seat & Lid	Commander / Hindware / Parryware SI or equivalent
C. P. Brass fittings	Jaquar / Marc / EssEss or equivalent
Stainless steel kitchen sinks	Nirali / Kingston / Neelkanth or equivalent
Non – return valves & fully-way valves	Heavy quality Sant / Zolotto or equivalent
Gun Metal Peet Valve	Heavy quality Sant / Zolotto or equivalent
PVC water storage tanks	Sintex / Target or equivalent
Water meters	Capstan Meters India Ltd. Or equivalent
Storage water heaters / geysers	Venus / Bajaj or equivalent

List of approved makes for Electrical Works

S. NO.	NAME OF THE ITEM	NAME OF THE BRAND
1	M.S. conduits and accessories	BEC / NIC / STEEL CRAFT (ISI) or equivalent
2	P.V.C. conduits and accessories	BEC (grey) / Allwyn / AKG or equivalent Ravindera
3	Electrical accessories, Batten holder, Pendant holder, ceiling rose, bell push switches and sockets etc. [I.S.I marked]	Anchor / Rider / Indo asian / Mk
4	Modular switches	M.K. / Legrand / Indo asian or equivalent
5	Bakelite Sheet	Hylam / Formica (ISI)
6	Call bell, Buzzer & batten holder	Anchor / SSK / Rider (ISI)/ Indo asian
7	PVC Wires (Copper Conductor)	Finolex/ R.R. kablehawalles Lapp/ poly Cab
8	PVC under ground cables with Aluminium / copper conductor	Polycab/CCI/Finolex/Lapp.
9	HT (XLPE cables with Aluminium conductor)	Polycab/CCI/Finolex/Lapp
10	LT (XLPE cables with Aluminium conductor) (ISI Marked)	Polycab/CCI/Finolex/Lapp
11	PVC pipe (6kg. pressure) (ISI Marked)	Supreme / AKG / Finolex / Diplast/ Ravindera.
12	G.I. pipe and M.S. pipe (medium) (ISI Marked)	Tata / Jindal / Raveindera
13	IC switches CAT-A	L&T / GE Power Controls / Siemens
	CAT-B (ISI Marked)	Standard / Havells
	CAT-C (Conforming to IS)	Brite / Capital
14	MCB (ISI Marked)	Legrand / Siemens / Schnieder / Indo asian
15	Enclosures (Standard Size Only)	Makes as per MCB's
16	ELCB's (ISI Marked)	Legrand / Siemens / Schnieder / Indo asian .
17	MCCB's	Legrand / Siemens / Schnieder/ Indo asian .
18	Telephone wires	Delton / Finolex
19	Cable lugs	Dowells crimping type
20	Coaxial cables	Delton / Finolex
21	Cat- 6	Delton / Finolex
22	Telephone tag blocks	Krone or equivalent
23	Energy meter	L&T / Siemens/ Genus/ as approved by HVPN
24	Terminal blocks	Elmex / Dowells / IEC
25	Indicating lamps	Vaishno / Kaycee / L&T
26	Cable Glands	Chromium plated brass heavy duty glands, weather proof with rubber washers and gaskets of Comet make
27	Fire alarm/detection , panel , RI etc	Honeywell , Ateis , Notifier
28	Street Light fittings	Philips / Havells / Bajaj
29	Capacitor Panel	SPC Electrotech/Adlec/Schneider
30	HT Panel	L&T(SPC Electrotech)/Seimens/ABB
31	Fan	Havells / C/G. / Usha
32	Transformer	SPC/ Seimens/Gillbert& Maxwell/Kirloskar
33	Lt panel	Schneider , Abb , spcelectrotech (L & T)
34	Exhaust Fan	Havells / C.G. / Usha
35	Light Fittings	Philips / Havells or equivalent

VOLUME – II

BILL OF QUANTITIES

SCHEDULE OF DNIT

Name of Work :- Construction of 12 Nos Super H type Houses (i/c Civil, EI & PH work) at CDLU, Sirsa.

**Appx. Cost
E. money Cont/Soc.
Time limit
Date of opening**

**Rs. 170.72 lac
Rs. 3.42 lac / 1.71 lac
12 Months
05.04.2016**

Sr. No.	H.S.R. No.	<u>Description</u>	<u>Qty.</u>	<u>Unit</u>	<u>Rate</u>
		CIVIL WORKS			
1	6.6	Earth work in excavation in foundations, trenches, etc. in all kinds of soils, not exceeding 2 mtrs. depth including dressing of bottom and sides of trenches, stacking the excavated soil, clear from the edge of excavation and subsequent filling around masonry, in 15 cm layers with compaction, Including disposal of all surplus soil, as directed within a lead of 30 mtrs.	943.52	per 100 cum	1108.10
2	6.13 (a)	Earth filling under floors with surplus soil, excavated from foundation and taken only from outside the building plinth, in 15 cm layers including ramming, watering and consolidating lead up to 30 meters	314.50	per 100 cum	343.40
3	10.28	Cement concrete 1:8:16 with stone aggregate 40 mm nominal size in foundation and plinth.	10.00	cum	318.65
4	10.39	Cement concrete 1:4:8 with stone aggregate 40 mm nominal size in foundation and plinth .	43.41	cum	403.10
5	10.41	Cement concrete 1; 2 ; 4 with stone aggregate 20 mm nominal size in foundation and plinth.	49.50	cum	615.60
6	10.44	Cement concrete 1 : 8 : 16 with brick ballast 40 mm nominal size in first storey upto 4 metres above plinth level.	3.00	cum	306.45
7	10.117.	Laying dry brick ballast (40 mm gauge)	5.00	cum	121.20
11	10.77.	Pre-cast cement concrete 1:2:4 with stone aggregate 20 mm nominal size in Kerbs and the like items, finished smooth with 6 mm thick cement plaster 1:3 on exposed surface indulging from work, placing and fixing in position, complete at the ground level or in first storey.	9.00	cum	942.50
12	10.78	Pre-cast cement concrete 1:2:4 with stone aggregate 20 mm nominal size in tiles and channels and the like items, finished smooth with 6 mm thick cement plaster 1:3 on exposed surface including form work, placing and fixing in position, complete at the ground level or in first storey.	4.50	cum	1025.15
14	10.132+ 10.95a	Cement concrete 1:2:4 with stone aggregate 20 mm nominal size in pavements, roads, taxi-tracks and runways, laid to required slope and camber, including consolidation, finishing and tamping complete.	20.00	cum	642.40

15	10.159	P/L 80 mm thick Interlocking Paver Block of all shape and color in M35 over a bed of 30 mm thick fine sand.	760.00	SQM	450.00
		Note: The vibration pavers shall be used.			
16	10.81	Cement concrete 1:2:4 with stone aggregate 20 mm nominal size for reinforced concrete work in shelves excluding steel reinforcement, but including centring and shuttering, laid in position, complete in all respects.			
		Do (Second storey)	2.00	cum	955.00
	note (v)(b)	Do (Third storey)	2.00	cum	962.30
	note (v)(b)	Do (Fourth Storey)	2.00	cum	969.60
17	10.82 + 10.95 (a)	Cement concrete 1:1½:3 with stone aggregate 20 mm nominal size for reinforced concrete work in slabs with inclination not exceeding 25 degree with horizontal, excluding steel reinforcement, but including centring and shuttering, laid in position, complete in all respects.			
		Do (First storey) 997.90 + 86.90 = 1084.80	48.00	cum	1084.80
	note V(b)	Do (Second storey) 1084.80 + 7.30 = 1092.10	48.00	cum	1092.10
	note V(b)	Do (Third storey) 1092.10 + 7.30 = 1099.40	48.00	cum	1099.40
	note V(b)	Do (Forth storey) 1099.40+7.30=1106.7	48.00	cum	1106.70
	note V(b)	Do (Forth storey) 1106.70+7.30=1114	5.10	cum	1114.00
18	10.86 + 10.95 (a)	Cement concrete 1:1½:3 with stone aggregate 20 mm nominal size for reinforced concrete work for walls exceeding 20 cm thickness (straight and curved) beams, girders, stairs, columns (square or rectangular) battens and lintels etc. excluding steel reinforcement but including centring and shuttering, laid in position, complete in all respects.			
		Do ((First storey) 1101.85+86.9 = 1188.75	51.58	cum	1188.75
	note V(b)	Do (Second storey) 1188.75+7.30 = 1196.05	57.73	cum	1196.05
	note V(b)	Do (Third storey) 1196.05+7.30 = 1203.35	57.73	cum	1203.35
	note V(b)	Do (Forth storey) 1203.35+7.30=1210.65	57.73	cum	1210.65
	note V(b)	Do (Fifth storey) 1210.65+7.30=1217.95	12.20	cum	1217.95

19	10.87 + 10.95 (a)	Cement concrete 1:1½:3 with stone aggregate 20 mm nominal size for reinforced concrete work in fascias parapets and other thin vertical sections, not covered by Item nos. 10.82, 10.86 to 10.88 not exceeding 10 cm thickness excluding steel reinforcement but including centring and shuttering, laid in position, complete in all respects.			
		Do (First storey)(1622.05+86.90=1708.95)	2.00	cum	1486.90
	note V(b)	Do (Second Storey)(1708.95+ 7.30 = 1716.25)	2.00	cum	1494.20
	note V(b)	Do (Third Storey) (1716.25+7.30 =1723.55)	2.00	cum	1501.50
20	10.114	Damp proof course 40 mm thick of cement concrete 1:2:4 using stone aggregate 20 mm nominal size with 2 coats of bitumen 20 / 30 penetration at 1.65 kg per sqm. laid hot and sanded.	30.00	Sqm	35.05
21	10.90+1 0.95	Cement concrete 1:1½:3 with stone aggregate 20mm nominal size for reinforced concrete work in foundation and plinth but excluding steel-reinforcement centring and shuttering in foundation and plinth 625.80 + 86.90=712.70	90.00	Cum	778.00
22	11.22	First class brick work laid in cement crusher mortar 1:6 in foundation and plinth	59.10	Cum	413.55
23	11.27	First class brick work laid in cement crusher mortar 1:6 in first storey upto 4 meters above plinth level.			
		Do (First storey)	27.00	Cum	434.55
	11.27 + 11.41 (I)	Do (Second storey)	81.10	Cum	442.80
	11.27 + 11.41 (I)	Do (Third storey)	81.10	Cum	451.05
	11.27 + 11.41 (I)	Do (Fourth Storey)	81.10	Cum	459.30
	11.27 + 11.41 (I)	Do (Fifth Storey)	33.50	Cum	467.55
24	11.42	Extra for brick work in square or rectangular pillars in buildings	2.00	Cum	12.40
25	11.52	11.43 cm thick brick wall laid in cement crusher mortar 1:4 in without reinforcement in foundation and plinth	5.00	Sqm	54.95

26	11.53	11.43 cm thick brick wall laid in cement crusher mortar 1:4 in superstructure			
		Do (First storey)	5.00	Sqm	57.35
	note (iv) (a)	Do (Second storey)	182.00	Sqm	58.30
	note (iv) (a)	Do (Third Storey)	182.00	Sqm	59.25
	note (iv) (a)	Do (Fourth Storey)	182.00	Sqm	60.20
27	11.100	Brick edging 6.83 cm wide 11.43 cm deep to plinth protection with 1st class brick including grouting with cement sand mortar 1:4	140.00	Rmt	3.80
28	11.99.	Extra for making tapered surface of brick Masonry	84	sqm	24.8
	Note-:	The labour rate of this item includes the cost of wastage of bricks involved in tapering			
30	13.55	Supplying and fixing in position G.I. Pipe class 'B' Spouts in chajjaas and cantilevers.			
	(e)	50mm internal dia, G.I. Pipe.	7.20	Meter	75.50
31	13.89	Providing & fixing PVC Rain water pipe 6 Kg pressure of ISI mark in cement mortar during masonry work.			
		b) 150 mm dia	97.00	mtr	336.65
32	13.90	Providing and fixing of PVC Bend ISI Mark			
		b) 150 mm dia PVC Bend	20.00	each	165.40
33	14.1	Base course of floors consisting of 100 mm thick cement concrete 1:8:16 and 100 mm sand or stone filling	319.00	Sqm	36.95
34	14.4	Screed of 50 mm thick cement concrete 1:8:16 to be laid below the topping			
	note (i)	Do(Second Storey) 15.35+0.30=15.65	260.00	Sqm	15.65
	note (i)	Do (Third Storey) 15.65+0.30=15.95	260.00	Sqm	15.95
	note (i)	Do (Forth Storey) 15.95+0.30=16.25)	260.00	Sqm	16.25

35	14.9	Conglomerate floor 40 mm thick cement concrete topping 1:2:4			
		1st story (31.50)	10.00	Sqm	31.50
	note (i)	2nd story (31.50+0.30=31.80)	10.00	Sqm	31.80
	note (i)	3rd story (31.80+0.30=32.10)	10.00	Sqm	32.10
	note (i)	4th story (31.80+0.30=32.10)	10.00	Sqm	32.40
36	14.89	Providing and Fixing vitrified tiles of Size 600 x 600mm of approved make in flooring laid in any pattern as specified over base of 20mm Thick Cement Coarse Sand Mortar 1:3 and jointed with white cement slurry mixed with pigment to match the shade to tiles Note: Tile shall be of premium quality (First Quality) of reputed manufacturer like Nitco, Rak & Orient.	628.00	Sqm	924.30
37	14.90	Providing and Fixing vitrified tiles of Size 600 x 600mm of approved make in Skirting/Dado laid in any pattern as specified over base of 12mm Thick Cement Coarse Sand Mortar 1:3 and jointed with white cement slurry mixed with pigment to match the shade to tiles Note: Tile shall be of premium quality (First Quality) of reputed manufacturer like Nitco, Rak & Orient.	102.00	Sqm	929.80
38	14.91	Providing and Fixing ceramic /antiskid tiles of size 400x400mm of approved make in flooring laid in any pattern as specified over base of 20mm Thick Cement Coarse Sand Mortar 1:3 and jointed with white cement slurry mixed with pigment to match the shade to tiles Note: Tile shall be of premium quality (First Quality) of reputed manufacturer like Nitco, Rak & Orient.	180.00	SQM	624.00
39	14.92	Providing and Fixing GLAZED tiles of approved make in Skirting/Dado laid in any pattern as specified over base of 12mm Thick Cement Coarse Sand Mortar 1:3 and jointed with white cement slurry mixed with pigment to match the shade to tiles Note: Tile shall be of premium quality (First Quality) of reputed manufacturer like Nitco, Rak, Kajaria & Orient.			
	(b)	Size of Ceramic Glazed Tiles 300 x 450mm	480.00	Sqm	648.15
40	14.96	Laying and fixing 15mm to 18mm thick Jet black granite stone slabs at laid on 20 mm thick base of cement mortar 1:3 (1 cement : 3 coarse sand) including filing the joints with white cement mixed with pigment to match the shade of stone including rubbing, grinding and polishing of granite finish using tin oxide and including drilling hole for gas pipe of required size or cutting the granite for fixing of washbasin etc. including labour for making of polishing of half round nosing on the specified edge of granite stone as per satisfaction of Engineer-In-Charge.(Excluding the cost of granite stone.)	36.00	Sqm	370.00
41	14.62.	Kotah stone flooring 25 mm thick in any pattern as specified over 20 mm thick base of cement coarse sand mortar 1:3 laid and jointed with neat cement slurry mixed with pigment to match the shade of stone including rubbing and polishing.	30	sqm	201.95

	14.62 + Note	FF		30	sqm	202.25
	14.62 + Note	SF		30	sqm	202.55
	14.62 + Note	TF		30	sqm	202.85
	14.62 + Note	Mumty		15	sqm	203.15
42	14.64.	Extra for Kotah stone flooring in treads of steps not exceeding 30 cm in width.		12	sqm	1.15
43	14.65.	Extra for nosing in treads of steps of Kotah Stone slab.		28	Metre	6.1
44	14.66.	Kotah stone 20 mm thick in skirting risers of steps, dados and wall facing (lining) and pillars laid on 12 mm thick cement coarse sand plaster 1:3 laid and jointed with neat cement slurry, mixed with pigment to match the shade of stone including rubbing and polishing including labour for fixing cramps, dowels and pins etc.		12	sqm	237
	14.66 + Note	FF		6	sqm	237.3
	14.66 + Note	SF		6	sqm	237.6
	14.66 + Note	TF		6	sqm	237.9
	14.66 + Note	Mumty		6	sqm	238.2
45	15.7	12 mm thick cement plaster 1:6				
		Do (First storey)10.65		123.00	Sqm	10.65
	note (i)	Do (Second storey)10.65+.18=10.83		771.00	Sqm	10.83
	note (i)	Do (Third storey 10.83+.18=11.01		771.00	Sqm	11.01
	note (i)	Do (Forth Storey) (11.01 + 0.18 =11.19)		771.00	Sqm	11.19
	note (i)	Do (Fifth Storey) (11.19 + 0.18 =11.37)		378.00	Sqm	11.37
46	15.12	15 mm thick cement plaster 1:6 on the rough side of single or half brick wall				
		Do (First storey)		123.00	Sqm	13.10
	note (i)	Do (Second storey) (13.10 + 0.18 = 13.28)		350.40	Sqm	13.28
	note (i)	Do (Third storey) (13.28 +0.18 = 13.46)		350.40	Sqm	13.46

	note (i)	Do (Forth Storey) (13.46 + 0.18 =13.64)	350.40	Sqm	13.64
	note (i)	Do (Fifth Storey) (13.64 + 0.18 =13.82)	191.00	Sqm	13.82
47	15.52	10mm thick cement plaster 1:4			
		Do (First storey) (12.65)	342.00	Sqm	12.65
	note (i)	Do (Second storey)(12.65+ 0.18 =12.83)	273.00	Sqm	12.83
	note (i)	Do (Third storey (13.83 + 0.18 =14.01)	273.00	Sqm	14.01
	note (i)	Do (Forth Storey)(14.01 + 0.18 =14.19)	273.00	Sqm	14.19
	note (i)	Do (Fifth Storey)(14.19 + 0.18 =14.37)	30.00	Sqm	14.37
48	15.77	20 mm thick cement D.P.C. 1:3 with 2 coats of bitumen at 1.65 kg per sqm laid hot and sanded. (a) Vertical			
	note (i)	Do (Second storey) (30.70+0.18=30.88)	5.00	Sqm	30.88
		(b) Horizontal			
	note (i)	Do (Second storey) (28.95 + 0.18 =29.13)	5.00	Sqm	29.13
49	15.83	6 mm thick cement plaster 1:3 with floating coat of neat cement 1.5 mm thick and one coat of white washing on bearing of R.C.C. slab.			
		Do (First storey) (14.90)	0.00	Sqm	14.90
	note (i)	Do (Second storey) (14.90+ 0.18 =15.08)	5.00	Sqm	15.08
	note (i)	Do (Third storey) (15.08+0.18 =15.26)	5.00	Sqm	15.26
	note (i)	Do (Third storey) (15.26+0.18 =15.44)	5.00	Sqm	15.44
50	16.1.	Preparation of ply wood surface for painting including sand papering the surface and applying filling with approved quality filler consisting of white lead, linseed oil, varnish and chalk mitti including finishing the surface to required finish complete.	495.3	sqm	4.6
51	16.2.	Applying pink primer or aluminium priming coat on wood work including preparation of surface, knotting and stopping etc.	495	sqm	3.75
52	16.3	Painting two coats excluding priming coat with synthetic enamel paint in all shades on new wood work or metallic or plastered or concrete surfaces to give an even shade.	1115.00	sqm	9.4
53	16.81	Providing and applying two coats of white cement based putty or plastered surface and grinding the surface smooth with sand paper to get an even smooth finish including cost and carriage of all material, labour charge, scaffolding, sundries ext. compete (JK/ Birla Make)	6975	sqm	11.35
54	16.58.	Distempering with washable oil bound distemper (of approved manufacture) two coats over one priming coat on new work.	6975	sqm	9.1

55	16.79	Providing two coats of exterior acrylic emulsion paint (b) 1 st quality	1610	Sqm	48.75
56	16.9	Applying priming coat with metal primer on new steel or iron work including preparation of surface.	620.00	Sqm	3.15
57	17.91 - note below item no.17.1 8	Factory manufactured paneled and glazed door shutters of commercial hard wood, such as hollock, champ, lal marandi only etc., c(kiln seasoned), with 100 mm wide vertical styles, 150 mm wide lock rail, 200 mm wide bottom rail and 100 mm wide other rails, with panels of 12 mm thick teak wood particle board both side commercial veneered bonded with phenol formaldehyde/synthetic resin, hot pressed including cost of iron hinges, screws, chock/cleats, stops and nails etc., complete fixed in position excluding the cost of any fittings other than specified above but including labour for fixing the same in position:-			
	(c)	30mm thick	65.00	Sqm	387.00
58	17.92 - note below item no.17.1 8	Factory-manufactured wire gauze door and windows shutters of commercial hard wood such as hollock, champ, lal marandi only etc, (non coniferous timber other teak, conforming to I.S. specification no. 1003, kiln seasoned) with 100 mm wide vertical styles, 150 mm wide lock rail 200 mm wide bottom rail and wire gauze of 140 G or 120 G designation including cost of iron hinges, screws, chock/cleats, stops nails etc., complete fixed in position (excluding the cost of any fitting other than specified above, but including labour for fixing the same in position)- (styles and rails of windows shutter shall be 75 mm wide)			
	i	30mm thick	65.00	Sqm	322.25
	ii	35mm thick	27.31	Sqm	347.55
59	17.93 - note below item no.17.1 8	Factory manufactured solid flush door shutters, with block board, core as per I.S. No. 1659 - 1969 bonded with water proof type phenol formaldehyde synthetic resin, hot pressed, conforming to I.S. 2202 part I and II, fixed in position, including iron hinges, screws, chocks/ cleats and stops, etc. (excluding the cost of any fittings other than specified above, but including labour for fixing the same in position).(Make : Century / Duro / Greenply)			
	(a)	Commercial veneering with vertical grains or cross bands and face veneer on both sides commercial facing with laminated core and lipped edges. (as approved by Engineer - in - charge).			
	(iii)	35mm thick 448.00 - 11.85 = 436.15.	102.10	Sqm	436.15
	i	25 mm thick 399-11.85=387.15	87.00	Sqm	387.15

60	17.49.	Providing and fixing commercial type block Board, plain lining, butt jointed, including Wooden plugs (teak) placed at 45 cm to 60 cm centres, complete with necessary nails (frame work shall be payable extra)-			
	(b)	19 mm thick	38	sqm	218.6
61	17.78.	Providing and fixing 150 mm hasps and Staples with necessary screws, etc., complete-			
	(b)	aluminium	24	Each	10.35
62	17.83.	Providing and fixing sliding bolt with nuts and screws etc. complete-			
	(b)	aluminium-			
	(i)	size 300 mm x 16 mm	15	Each	44.15
	(ii)	size 250 mm x 16 mm	18	Each	40.3
63	18.34.	Pressed steel sheet frames (chowkats), consisting of 2 mm thick steel sheet of the specified sections, including iron lugs (hold fasts), iron hinges, conforming to P.W.D. specifications, including bolts for fixing stops, lock notch, provision for receiving tower bolts, and finished with one coat of ready-mixed paint red lead non-setting primer, or approved quality, fixed in position including the cost of cement concrete 1:3:6 for filling in the frame and cement concrete 1:3:6 for lugs complete:-			
	(a)	door and window frame of size 89 mm X 50 mm with 40 mm wide single rebate	375	Metre	71.55
	(b)	door and window frame of size 76 mm X 38 mm with 35 mm wide single rebate	150	Metre	58.6
	(c)	door and window frame size 127 mm X 50 mm with 40 mm wide double rebate	166	Metre	76.8
64	18.12	Wrought iron and mild steel (using angles, flats, square bars, trees and channels) ladders grills, grating frames, window guards, iron doors openable or fixed staircase or parapet or any other type of railing gates and tree guards etc. Including cost of screws and welding rods or bolts and nuts complete fixed in position. (Tata / Sail)	30.00	Qtl.	1040.35
65	18.16.	Providing and fixing G I sheet 0.80 mm thick garage doors, with 40 mm X 40 mm X 6 mm angle iron frame with diagonal braces, 3 mm thick gusset plates at the junctions, hooks at the top and 25 mm dia, pulleys, and T-iron 50 mm X 50 mm X 6 mm guides at bottom including locking arrangements with handles and pintels, etc., complete.	11	sqm	424
66	18.30.	Supplying and fixing glass panes including special metal sash putty of approved make			
	(b)	glass panes 4 mm thick, exceeding 40 sq dm areas.	54	sqm	115.4
67	18.22	Fe-500 EQR (TMT steel bars) bars for R.C.C. works where not included in the complete rate of R.C.C., including bending., binding and placing in position complete.	600.00	Qtl.	917.05
68	24.1.	Preparation of sub grade, including trenching, rough dressing of spoil final dressing of earth, to given levels and camber, watering, rolling with road roller, and compacting the bed	319	100 sqm	92.45

	(B)	Sub base and soiling coat			
69	24.7.	Laying and consolidation of stone metal, soling coat to water bound macadam specification carrying the metal from stacks, and spreading to templates, screening and spreading the binding material and consolidating the stone metal and binding material to proper camber, with road roller, excluding the cost of templates, barriers and lighting arrangement and Chowkidars,	50	cum	23.4
70	24.9.	Laying and consolidation of stone metal wearing coat, to water-bound-macadam specification, including making side dowels, carrying the metal from stacks and spreading to templates, screening and spreading the binding material, and consolidating the stone metal and blinding material, to proper camber, with road roller, excluding the cost of templates, barriers, and lighting arrangement and chowkidars.	50	cum	28.75
Sr. No.	H.S.R. No.	<u>Description</u>	<u>Qty.</u>	<u>Unit</u>	Rate to be quoted by the contractor
		N.S. ITEMS (CIVIL)			
71	NS 1	Supply, carriage and collection of coarse aggregate from atela or any other approved quarry shall be either crushed or broken stone. They shall be hard, durable and free from excess of flat elongated softened disintegrated particles, dust and other objectionable matter. They shall be stacked 2mx1.5mx0.35min size. For purpose of payment the volume of stacks will be worked out as per actual measurements and quantity will be reduced by prescribed percentage and the reduced quantity will be considered as the quantity supplied for purpose of payment.(Most specification section no. 404.2.2) coarse aggregate of 63mm to 45mm (G-2) size(a) with the following grading and physical requirement:-	50.00	cum	
		Grading requirements as per PWD specification No 3.64			
		Grading No. size Range Sieve designation Percent by weight passing			
		1. 63mmto 45mm .			
		. 90mm 100			
		. 63mm 90-100			
		. 53mm 25-75			
		. 45mm 0-15			
		. 22.4mm 0-5			
72	NS2	Supply, carriage and collection of coarse aggregate from atela or any other approved quarry shall be either crushed or broken stone. They shall be hard, durable and free from excess of flat elongated softened disintegrated particles, dust and other objectionable matter. They shall be stacked 2mx1.5mx0.35min size. For purpose of payment the volume of stacks will be worked out as per actual measurements and quantity will be reduced by prescribed percentage and the reduced quantity will be considered as the quantity supplied for purpose of payment.(Most specification section no. 404.2.2) coarse aggregate of 53mmto 22.4mm (G-2)size for sub base course.	50.00	cum	

Grading requirements as per PWD specification No 3.64					
Grading No. size Range Sieve designation Percent by weight passing					
		1. 53mm to 22.4mm .			
		. 90mm 100			
		. 63mm 90-100			
		. 53mm 25-75			
		. 45mm 0-15			
		. 22.4mm 0-5			
73	N.S.	Providing and fixing 16 to 18mm thick gang saw cut mirror polished premoulded(as per architecture drawing) and prepolished) machine cut jet black granite stone of required size of approved shade, colour and texture for wall lining and flooring over 20mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and cement slurry @ 3.3 kg/sqm mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edge to give high gloss finish etc. complete at all levels.(including skirting)	131.55	sqm	
74	NS	Extra for prefinished nosing to steps of treads/slabs edging with nosing 35mm thick ,as per design .	285.56	mtr	
75	N.S.	Extra for providing and fixing decorative laminate of 1mm thickness on both side of flush door with lapping of 6mm x 35mm thick teak wood and polish as per colour of laminate inclusive of adhesive , complete in all manner as per drawing by consultant and as per instruction of engineer in charge.	324.00	sq.m	
76	N.S.	Earth work (including of compensation for earth) in excavation in ordinary soil and filling in 15 cm layers in foundation and plinth including ramming, watering and consolidation under floors with earth brought from a distance exceeding 30 meters inclusive of all leads and lifts complete. (Tibba sand only)	50.00	cum	
77	N.S.	Earthwork in embankments including excavation of earth in all kinds of soil laid in 25 cm layer including dressing of bank, side slopes to give levels and templates after breaking of clods including the cost of compaction of earth, rolling with road roller, watering including all allowances for labour hardness, wetness irrespective of leads and lift, compensation of earth from private land, as to the entire satisfaction of the Engineer – in – Charge to PWD specification 6.2, 6.3, 5.2 & other relevant PWD specifications, 1990 1st edition, complete work (Tibba sand only).	50	cum	
78	N.S.	Supply of 150 mm long (inner grip) Aluminium handles of best quality of plate size 200 x 35 mm & rod diameter of 12 mm.	264	Each	

79	N.S.	Supply of 100 mm long (inner grip) Aluminium handles of best quality of plate size 150 x 30 mm & rod diameter of 10 mm.	364	Each	
80	N.S.	Supply of 200 mm long & 10 mm rod diameter (200mm x 10 mm) Aluminium tower bolts of best quality.	108	Each	
81	N.S.	Supply of 150 mm long & 10 mm rod diameter (150mm x 10 mm) Aluminium tower bolts of best quality.	468	Each	
82	N.S.	Providing making & fixing 300 mm deep Over Head Storage Units in varying lengths (max. 2400 mm) and heights in kitchens made of 19 mm thick commercial board top, bottom, sides, shelves & shutters and 12 mm thick back commercial ply. Vertical division will be made of 19 mm thick commercial board @ 750 mm c/c with 19 mm x 4mm thick lapping all around. On the outer surface, teak wood moulding will be provided as per design. Shutter will be provided with brass hardwares. Shelves will be provided @ 380 mm c/c in one direction. Units front & sides will be finished with 1 mm thick laminate. All other surfaces will be enamel painted of approved colour & shade complete as per E.I.C. / Architect's instructions at site.	25.00	Sqm	
83	N.S.	Providing and fixing sleek line type drapery rod, 28 mm diameter with heavy duty Aluminium rod with ABS accessories such as rings, finials & brackets etc. of MAC make manufactured by Mac Decor Ltd. complete in all respects up to the entire satisfaction of the E.I.C. the rates quoted should included for fixing the drapery rods with rawls plugs etc., all accessories required for proper fixing as per sound Engineering Practices & manufacturer's specifications complete in all respects up to the entire satisfaction of the E.I.C.	95.00	Mtr.	
84	N.S.	Providing and fixing C.I. grating 150x150mm with heavy duty	12.00	no.	
85	N.S.	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sqm. of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.	300	Sqm	
		c) After two days of proper curing applying a second coat of cement slurry using 2.75kg/sqm of cement admixed with water proofing compound conforming to IS : 2645 and			

		approved by Engineer-in-charge. d) Finishing the surface with 20 mm thick joint less cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fiber cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3mm deep. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All above operations to be done in order and as directed and specified by the Engineer-in-Charge with average thickness of 120 mm & minimum thickness at khurra as 65mm.			
		PUBLIC HEALTH WORK			
1	6.8	Excavation for pipelines running under pressure In trenches and pits, in open areas, where disposal, Of surplus earth is done along with the alignment Including trimming & dressing sides, levelling of beds of trenches to Correct grade, cutting joint holes, cutting trees and bushes, etc., Refilling consolidation and watering of refill in 15 cm layers and Restoration of unmetalled or unpaved surface to ITS ORIGINAL CONDITION, including the cost of dewatering of rain Water, diversion of traffic, night signals, fixing caution boards, watching, Fencing etc., and outside the town in ORDINARY SOIL:- HSR 6.8			
		Without timbering and shorting upto 1.5 metres depth	87.00	Cum	1030.00
2	6.10	Excavation of trenches in streets, lanes or in Open areas for storm sewer, sewers running by Gravity nd manholes to full depths as shown In drawings including shoring timbering of Poling boards, frame System type, dressing to correct Sections and dimensions, according to templates and levels, Dewatering, provision for diversion of traffic, cutting trees and Bushes etc. Night signals, profiles, pegs, sight rails, boning rods, Crossing over trenches for access to the houses, watching fencing, Etc., fixing and maintenance of caution boards, refilling of trenches, Watering of refill, in 15 m layers, ramming and restoration of Unmetalled or unpaved surface to original condition and removal Of surplus soil from site of work, upto a lead of 1 Km in ordinary soil. HSR 6.10			
	a	a) for depths of excavation exceeding 3 metres, but not exceeding 4.5 metres	110.00	Cum	1919.00
3	10.28	Cement concrete 1 : 8 : 16 with stone aggregate 40 mm Nominal size in foundation and plinth. HSR 10.26	50.00	Cum	318.65
4	10.32	Cement concrete 1 : 6 : 12 with stone aggregate 40 mm nominal size in foundation and plinth HSR 10.30	20.00	Cum	348.25
5	10.41	Cement concrete 1; 2 ; 4 with stone aggregate 20 mm nominal size in foundation and plinth. HSR 10.41	35.00	Cum	615.60
6	10.82	Cement concrete 1:2:4 with stone aggregate 20 mm nominal size for reinforced concrete work in slabs with inclination not exceeding 25 degree with horizontal, excluding steel reinforcement, but including centring and shuttering , laid in position, complete in all respects. HSR 10.82	4.00	Cum	997.90

7	11.3	First class brick work laid in cement sand mortar 1:5 in foundation and plinth. HSR 11.3	15.00	Cum	407.60
8	15.3 + 15.75	12 mm thick cement plaster 1:2 + Cement rendering on plaster 1 mm thick. HSR 15.3 + 15.75	50.00	Sqm	20.85
9	18.22	Cold twisted deformed (ribbed/tor steel) bars for R.C.C. works, where not included in the complete rate of R.C.C including bending, binding and placing in position complete. HSR 18.22	3.20	Qtl.	917.05
10	28.24	Cutting holes up to 23cm sq. through stone masonry or brick work in cement walls for pipes and making good including repointing, replastering and finishing according to existing finish where required. HSR 28.24			
	a	a) 11.43 cm thickness of walls	10.00	Each	14.00
	b	b) 22.86 cm thickness of walls	35.00	Each	20.35
	c	c) 34.29 cm thickness of walls	5.00	Each	27.00
11	28.29	Fixing and jointing Gun Metal peet valves on G.I. pipe line. HSR 28.29			
	b	b) 20mm	12.00	Each	2.80
	c	c) 25mm	12.00	Each	3.05
	d	d) 32mm	4.00	Each	3.50
	e	e) 40mm	2.00	Each	4.10
12	28.47	Bailing out water from the trenches for making new connections in fully charged pipe lines including cleaning trimming and dressing the trenches to correct alignment and grade as required by the engineer in charge. HSR 28.47			
		Up to 200 mm dia internal diameter.	1.00	Each connection	67.50
13	29.84	Constructing brick masonry inspection chamber up to 0.60 mts. depth in cement mortar 1:5 cement concrete 1:2:4 benching, 12mm thick cement plaster, R.C.C. 1:2:4 slab 100mm thick with 455 x455mm /455 x610mm inside light duty G.I. inspection chamber cover and frame with 3 coats black bitumastic paint. HSR 29.84			
	a	a) Size 450 mm x 450 mm inside (with 455 mm x 455 mm cover and frame light duty single seal weighing 40 kg with C.C. topping)	20.00	Each	414
	c	c) Size 600 x 900 mm. inside (with 455mmx455 mm cover and frame light duty single weighing 20 kg with R.C.C. slab)	18.00	Each	690.00
14	29.85	Extra for every 0.30 mts. Depths of inspection chamber HSR 29.85			
	a	a) 450 mm x 450 mm	10.00	Per 0.30 Mtr. Depth	92

	c	c) Size 600 x 900mm	9.00	Per 0.30 Mtr. Depth	139.00
15	29.95	Providing SALT GLAZED STONE WARE PIPES GRADE 'A' IN STANDARD LENGTS OF 600 MM EACH jointing and testing as described in HSR item No. 29.38, 29.39, 29.40 including the cost of jointing materials as well as carriage loading unloading stacking, handling, re-handling etc. complete in all respects the satisfaction of Engineer-in-Charge. HSR 29.95			
		150 mm i/d	214.00	Per mtr.	199
		200 mm i/d	150.00	Per mtr.	253
16	30.2	PROVIDING AND FIXING IN POSITOIN BEST INDIAN MAKE (to the approval of the Engineer-in-charge). INDIAN TYPE ORISSA OR ORYA WATER CLOSET SUITE for Sinking into floor, with raised foot treads COMPLETE WITH 100 MM H.C.I. 'P' TRAP with or without vent as required and all OTHER NECESSARY FITTINGS as fully described in item no.30.1 above HSR 30.2			
	(a)	a) Size 580 mm			
	(i)	i) White	12.00	Each	925.00
17	30.5a	PROVIDING AND FIXING IN POSITION BEST INDIAN MAKE (as approved by the Engineer-in-charge) EUROPEAN TYPE WATER CLOSET SUITE, SYPHONIC TYPE, Consisting of- (i) VITREOUS CHINAWARE SYPHONIC SUITE WITH 15 LITRES CAPACITY MATCHING CHINAWARE CISTERN and all internal brass fittings COMPLETE WITH 'P' or 'S' TRAP with or without vent; (as approved by the Engineer-in-charge) (ii) One piece SEAT AND LID IN HOLLOW BLACK OR WHITE PLASTIC fitted with chromium plated hinges and rubber buffers, (to the approval of the Engineer-in-charge) COMPLETE in all respects INCLUDING CUTTING AND MAKING GOOD THE WALLS AND FLOORS. HSR 30.5			
	a	a) Single trap symphonic W.C. Suite			
	(i)	i) White	12.00	Each	1542.00
18	30.42	P/f in position best Indian make lavatory suits (with full anti splash rim in vitreous chinaware HSR 30.42			
	(ii)	ii) Size 530 X 430mm with no. tap	36.00	Each	442.00
19	30.46 (a)	Providing and fixing in position best Indian make C.P brass basin mixer complete instead of one no pillar tap. HSR 30.46 (a)	12.00	Each	257.00
20	30.48	P/f in position 32mm Dia G.I. waste pipe embedded in wall HSR 30.48	36.00	Each	98.00
21	30.50	P/f in position best Indian make chromium plated brass bottle trap 32mm dia metre HSR 30.50	36.00	Each	92.00

22	30.53	P/f in position best quality stainless steel sinks with complete fittings HSR 30.53			
		(a) 600 mm x 450mm x200 mm (labour rate only)	12.00	Each	48.00
23	30.66	PROVIDING AND FIXING IN POSITION BEST INDIAN MAKE SHOWER WITH 15 OR 20 I/D INLET. HSR 30.66			
	c	c) C.P brass with revolving joint.	24.00	Each	122.00
24	30.68	PROVIDING AND FIXING IN POSITION BEST INDIAN MAKE TOWEL RAILS FIXED in with rawl plugs embedded in walls with C.P brass screws. Complete in all respect INCLUDING CUTTING AND MAKING GOOD THE WALLS ETC. HSR 30.68			
	b	b) 20 MM DIA C.P BRASS ADJUSTABLE			
	ii	ii) 600 mm long.	24.00	Each	57.00
25	30.70	Providing and fixing in position best Indian make Soap dish fixed into wall with C.P brass screws and complete in all respects including cutting and making good the wells etc. HSR 30.70			
	a	a) C.P BRASS			
	i	i) Soap dish large	24.00	Each	59.00
26	30.71	P/f in position best make bevelled edge 5.5mm thick mirror mounted on asbestos sheet ground fixed in position by means of 4 nos. chormium plated brass screws and washers over rubber washers and rawl plug embended in the awall or chromium plated brass clamp with c.p. brass screws completed including cutting and making good the walls etc. HSR 30.71			
		(Ii) 550mm x 400mm	36.00	Each	94.50
27	30.73	P/f in position best Indian make coat and hat hooks fixed into wall with C.P. brass screws and rawl plugs etc. complete including cutting and making good the walls etc. HSR 30.73			
		(a) C.P. BRASS			
		(ii) Two way	24.00	Each	43.00
28	30.75a	Providing and fixing in position 15mm i/d C.P. brass bib cock of best quality (as required by the engineer in charge).Bib cock long body HSR 30.75 (a)	36.00	Each	116.00
	c	c) Bib cock	24.00	Each	100.00
29	30.76a	Providing and fixing in position C.P. brass stop cocks (as required by the engineer in charge). 30.76			
	a	a) 15 MM STOP COCK			
	i	i) Stop cock male and female end	180.00	Each	101.00
	ii	ii) Concealed stop cock with flange.	36.00	Each	130.00

30	30.81	PROVIDING AND FIXING IN POSITION BEST INDIAN MAKE C.P BRASS WALL MIXER 15 MM HSR 30.81			
	b	b) Without Telephonic shower	24.00	Each	311.00
31	30.88	Providing and fixing in position M.S. or heavy flat iron clamps made out of M.S. flat not less than 5mm of the approved design fo fixing C.I. soil waste vent or anti pipes to walls complete in alla respects including cutting and making good the walls and floors etc., and painting. HSR 30.88			
		(a) For 100mm internal diameter pipes	150	Each	12.50
		(b) For 75mm internal diameter pipes	50	Each	11.00
32	30.95	Cutting chase in brick wall in cement or in floor for embedding G.I or HCI pipe lines and making good the same to its original condition HSR 30.95			
	(a)	a) Size 75mm x 75mm	671.00	Metre	6.00
33	30.110	P/F in position automatic brass ball valves in tanks HSR 30.110			
		(a) With copper ball			
		(ii) 20mm internal diameter	12.00	Each	55.50
30	30.114	Providing & fixing in position gully traps fixed in cement concrete 1:4:8 complete with H.C.I. GRATING 150MM X150MM cast iron cover weighing approximately 7.26 Kg and frame clear opening 300mm x300mm and outside size 330mm x330mm and chamber including cost of all brick work in cement mortar 1:5 cement concrete 1:8:16 in foundations, and cement concrete 1:2:4 in coping around C.I. cover and frame etc. with three coats of black bitumastic superior paint of approved manufacture on all C.I. work as per standard design, minimum depth of water should be 150mm with a minimum seal 50mm HSR 30.114			
	(b)	b) 100mm internal diameter H.C.I. gully trap	16.00	Each	208.00
34	30.119	Providing & fixing HDPE WATER STORAGE TANKS of sintex, Diplast, O.K. Supreme make with covers/lids marked with SI 12701 on roof top of buildings including cost of hoisting and placing in position, making connections with inlet and outlet pipes, providing overflow & scour provisions with suitable plug on sour pipe including cost of nipples, washers, flanges for connections in tanks complete in all respects to the entire satisfaction of Engineer in charge . HSR 30.119			
		1000 ltr capacity	12.00	Each	5263.00

Sr. No.	H.S.R. No.	Description	Qty.	Unit	Rate to be quoted by the contractor
		N.S. ITEMS			
35	N.S.	Providing and fixing in position 15 mm inlet connection 450 mm long connection pipe with nuts as per entire satisfaction of Engineer-in-charge NS	144.00	Each	
36	N.S.	Providing and fixing in position C.P. jet connection for EWC complete including C.P. plate for jet & PVC connection for jet point complete in all respect. NS	24.00	Each	
37	N.S.	Providing and fixing CP cap NS	300.00	Each	
38	N.S.	Providing and fixing of CP jali 100 mm id NS	120.00	Each	
39	N.S.	Providing and fixing PVC pipe 63mm o/d 4kg / sqcm NS	100.00	Rmt	
40	N.S.	Providing and fixing PVC clamps for 63mm o/d pipe NS	20.00	Each	
41	N.S.	Supply of J iron hooks NS	12.00	kg	
42	N.S.	Making connection with existing sewer line NS	1.00	Each	
43	N.S.	Supply of G.I. tank nipple NS			
		20mm id	24.00	Each	
		25mm id	12.00	Each	
44	N.S.	Supply of S. S. sink 600 x 450 x 200mm size NS	12.00	Each	
45	N.S.	Providing and fixing of CPVC pipe having thermal stability for hot and cold water supply, including all CPVC plain & brass threaded fittings including fitting the pipe with clamp at 1.0m spacing. This includes jointing, fitting with CPVC solvent & testing as per Engineer - in - charge direction. NS			
		CPVC Pipe, 20mm id	671.00	Rmt	
		CPVC Pipe, 25mm id	915.00	Rmt	
		CPVC Pipe, 32mm id	460.00	Rmt	
46	N.S.	Providing and fixing in position PVC soil waste or anti syphonage pipe of 10kg pressure of make Finolex/Supereme/prince as apporved by Engineer - in - charge complete in all respect. NS			
	(a)	100 mm internal diameter	305.00	Meter	
	(b)	75mm internal diameter	260.00	Meter	

47	N.S.	Providing and fixing in position P.V.C. specials for soil wast vent or anti - syphonage pipe to I.S.I. marked including cutting and wastage etc. cutting holes in walls roofs or floors etc. and making good to its original condition but excluding cost of lead jointing. NS			
	(a)	a) FGR 100 mm internal diameter			
		i) Cowls	20.00	Each	
		ii) Elbow	80.00	Each	
		iii) Tee 100x100x100mm	40.00	Each	
		iv) P-Trap	20.00	Each	
		v) F-Trap	120.00	Each	
		vi) Socket	60.00	Each	
	(B.)	b) For 75 mm i/d pipe			
		i) Cowls	60.00	Each	
		ii) Elbow	20.00	Each	
		iii) Tee 75x75x75mm	20.00	Each	
		iv) Socket	60.00	Each	
		E. I. Work			
1	31.12 c	Moulded case circuit breakers Supply and erection of moulded case circuit breaker on wall or on existing pedestal including bonding to earth and necessary connections. HSR 31.12 c			
	(ii)	ii) 100 amp to 220 amp. 415 V. 10 K.A. 3 phase	2	each	4246
	i	i) 15 amp to 60amp	12	each	1926
2	31.41	Supply and erection of double door sheet steel enclosure distribution boards suitable for MCB's and ELCBs etc. recessed in wall including bonding to earth with all labour & material required to complete the job in all respects up to entire satisfaction of engineer-in-charge of the work.HSR 31.41			
	iii	iii) 12 way SPN	12	each	1110
3	31.13	S/E of M.S. angle iron frame duly welded for housing M.S. sheet & main switches etc. on it, fixed on wall by means of suitable size of rag bolts with cement concrete, duly painted with three coats of approved paint including one coat of red oxide. HSR 31.13 (ii) Size 40mm x 40mm x 6mm	50	Mtr.	46.5
4	31.14	S/E of 3mm thick mild steel sheet duly welded on existing M.S. angle iron frame for fixing the main switches etc. as required, duly painted with three coats of approved paint including one coat of red oxide. HSR 31.14	30	Sqm	337

5	31.16	Supply and erection of blanking sheet in existing distribution board HSR 31.16	60	each	2.25
6	31.17	Supply and erection of miniature circuit breaker/isolator 240/415V in the existing distribution board including making necessary connections:- HSR 31.17			
	(a)	a) Miniature Circuit Breakers of 9 K.A. breaking capacity			
		ii) 6 amp to 32 amp (Single pole)	208	Each	95.00
		iii) SPN 40 amp. To 63 amp.	12	each	240.00
		FITTINGS AND ACCESSORIES. HSR 31.18			
7	31.18 (viii)	viii) Electric Buzzer 220/230 volts A.C. bakelite with double coil.	12	Each	21.00
	31.18 (xi)	xi) Bakelite Angle/Straight Button holder large size.	1	Each	6.20
	31.18 (xxvi)	xxvi) Supply and erection of hexagonal M.S. box 1.60 mm thick having each size 8 cm., 7.5 cm. , deep top covered with M.S. lid by means of screws including 10 mm dia. 30 cm. long M.S. rod made into suitable suspension hook and erected in RCC slab for erection of fan complete	288	Each	26.30
		xxi)Heavy gauge welded conduit pipe 20 mm dia 1.60 mm thickness flushed	900	Mtr	16.30
		xxii) Heavy gauge welded conduit pipe 25 mm dia 1.60 mm thickness flushed	560	Mtr	19.60
		xi) Bakelite angle/straight button holder Large size.	50	Each	6.2
		Earthing HSR 31.22			
8	31.22 (iv)	iv) Earthing with tinned copper earth plate 600 mm x 600 mm x 3 mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. (but without charcoal or coke and salt) etc. complete as required	2	Each	1149.00
	v	v) Extra for charcoal or coke and salt for copper plate earth electrode	2	Each	186.00
	(i)	i) Earthing with G.I earth pipe 4.5 mm long and 40 mm dia with masonry enclosures on the top etc as required.	12	Each	378.00
	(ii)	ii) Extra for using salt and charcoal/coke for for pipe earth electrode as required.	12	Each	125.00
	xvi	xvi) Pdg. and fixing 4.00 mm dia G.I. wire on surface or in recess for loop earthing as required.	100	Mtr.	3.40
	xi	xi) Providing and fixing 25 x 5 mm copper strip in 40 mm dia G.I Pipe from the earth electrode as required	20	Mtr.	155.00
	vi	vi) Supplying and laying 8 SWG Copper wire at 0.5 metre below ground level as conductor earth electrode including thimble soldering etc. as required	20	Mtr.	12.20
9	31.25	Supply and Erection of Under Ground Cable 1 metre below ground level covered with sand and bricks including necessary connections, digging and refilling of trenches. HSR 31.25			
	(iv)	iv) 10 sq mm 2 Core cable	100	Metre	41.80

	(xxix)	xxix) 95 sq mm 3 ½ Core cable	300	R.M.	135.50
10	31.26	Supply and erection of under ground cable, loose in existing pipe or trenches complete with necessary connections : - HSR 31.26			
	(iv)	iv) 10 sq mm 2 Core cable	700	Metre	27.80
	(xxix)	xxix) 95 sq mm 3 ½ Core cable	100	R.M.	121.10
11	31.28	Supply and erection of suitable compression type brass cable glands for underground cables: HSR 31.28			
	iv	iv) 50 sqmm to 95 sqmm cable 3 to 3.5 core	4	Nos.	16.00
12	31.33	Supply and erection of Godrej almirah type M.S pedestal made of 50 mm x 50 mm x 6 mm angle iron frame with 3.00 mm thick M.S .sheet covering including shutters with suitable hinges and locking arrangement with Godrej type handle including round bars. The top covering should have downward overhang of 75 mm on all sides of pedestal, having two sets of water proof ventilation holes of suitable size on the sides, at top and bottom, each set containing for Nos. holes to discharge the heat produced by the current. The shutters fixed with rubber gasket of superior quality and of suitable size to make it water proof. The pedestal duly painted both inside and outside with two coats legs are embedded upto the entire depth in 1 : 2 : 4 cement concrete block projected 75 mm all around the pedestal and 200 mm above the ground level including the cost of all labour and material required to complete the job in all respect upto the entire satisfaction of Engineer-in-charge of work:- HSR 31.33			
	vi	vi) M.S. Pedestal of size 1500 mm wide, 1800 mm high 450 mm deep and bottom totally open, duly embedded in cement concrete block of size 1650 mm x 600 mm x 200 mm above ground level duly plastered with 12 mm thick 1 : 4 cement plaster, having a base of size 1800 mm x 750 mm x 250 mm below ground Level.	2	each	3862
13	31.31	Supply and erection of metal clad bus bar chamber made from 1.6 mm thick M.S. sheet fixed with rag bolts on wall or on existing pedestal/angle iron frame including bonding to earth, detachable top and bottom painting and necessary connections etc. (Copper bars duly tinned) HSR 31.31			
	(v)	v) 200 amp. 4 bars of 100 cm each (cross Section 25 mm x 5 mm), chamber over all size 1.10 m x 45 cm x 18 cm	2	Each	915.00
14	31.67	S/E of mark double walled corrugated (DWC) HDPE pipe laid 1 mtr below ground level including digging and refilling of earth including cost of suitable size socket/ cuppler for HDPE pipe including the cost of labour and material required to complete the job in all respect upto the entire satisfaction of engineer-in-charge of the work. HSR 31.67			
		(ii) HDPE pipe 90/75 mm outer dia / inner dia.	30	Mtr	135.00
15	31.40	Supply and erection of PVC unsheathed copper conductor cable 1100 volt grade in pipe of suitable size excluding the cost and erection of pipe. HSR 31.40			

		i) Size 1.50 Sq. mm (3/0.81 mm)	6000	Mtr	10.20
		iii) Size 4.00 Sq. mm (7/0.85 mm)	3000	Mtr	24.50
		iv) Size 6.00 Sq. mm (7/1.05 mm) (for AC Points)	10	Mtr	35.60
		iv) Size 16.00 Sq. mm (7/1.05 mm)	120	Mtr	83.70
16	31.44	Supply and erection of rigid PVC conduit pipe for wiring purpose including bands and inspection boxes etc. of required sizes where ever required. HSR 31.44			
	(a)	i) Rigid PVC conduit pipe 20 mm dia.	500	Mtr	31.00
	(b)	ii) Rigid PVC conduit pipe 25 mm dia.	1200	Mtr	37.00
17	31.58	Supply and erection of PVC pipe ISI marked (Medium) recessed in wall / ceiling etc including the cost of PVC bands, inspection boxes, iron hooks and cement concrete etc. Complete in all respect up to the entire satisfaction of Engineer – in – charge of work PVC conduit pipe 32 mm dia. HSR 31.58	300	Mtr	45.00
18	31.53	supply and erection of 50mm diameter 1.5 mtr. Long GI bracket (B-Class) HSR 31.58	100	Each	600.00
19	31.56	Providing and fixing modular type accessories of approved make in existing box including fixing and making necessary connections, complete in all respect. HSR 31.56			
		10 amp one way switch	400	Each	87.00
		10 amp two way switch	10	Each	100.00
		20 amp switch	78	Each	116.00
		10 amp socket	126	Each	106.00
		20 amp socket	78	Each	165.00
20	31.36	wring in 1.5 sqmm PVC insulated Copper conductor cable in 1.6 mm thick conduit pipe. HSR 31.36			
a	31.36	a) Fan Point - Short.	0	Each	343.00
b	31.36	b) Fan Point - Medium .	8	Each	524.00
c	31.36	c) Fan Point- Long.	40	Each	733.00
a	31.36	a) Light point -Short.	36	Each	251.00
b	31.36	b) Light Point - Medium.	80	Each	433.00
c	31.36	c) Light Point- Long.	110	Each	639.00
a	31.36	a) Twin control light point with 2 way 5 amp. single pole switch- Short point.	0	Each	276.00
b	31.36	b) Twin control light point with 2 way 5 amp. single pole switch- Medium point.	0	Each	486.00
c	31.36	c) Twin control light point with 2 way 5 amp. single pole switch-Long point.	10	Each	726.00
a	31.36	a) Light point without control- Short point.	20	Each	157.00

b	31.36	b) Light point without control- Medium point.	25	Each	312.00
c	31.36	c) Light point without control- Long point.	40	Each	498.00
c	31.36	c) Call bell point including M.S Box of size 180mmx100mmx60mm deep for call bell - Long point	12	Each	664.00
a	31.36	a) 3 pin 5 amp. plug point including earthing the 3rd. pin etc. - Short point.	10	Each	283.00
b	31.36	b) 3 pin 5 amp plug point including earthing the 3rd. pin etc. - Medium point.	52	Each	466.00
c	31.36	c) 3 pin 5 amp. plug point including earthing the 3rd. pin etc.- Long point.	40	Each	672.00
a	31.36	a) 3 pin 15 amp. plug point including earthing the 3rd. pin etc. with 4 sq mm PVC insulated Al. conductor cable- Short point.	0	Each	403.00
b	31.36	b) 3 pin 15 amp. plug point including earthing the 3rd. pin etc. with 4 sq mm PVC insulated Al. conductor cable- Medium point.	10	Each	667.00
c	31.36	c) 3 pin 15 amp plug point including earthing the 3 rd. pin etc. with 4 sq mm PVC insulated Al. conductor cable - Long point.	68	Each	970.00
Sr. No.	H.S.R. No.	Description	Qty.	Unit	Rate to be quoted by the contractor
21	N.S. (DSR-2013)	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required. NS	12	Each	
22	N.S.	S/E 1 * 28 watt T5 wall mounted fluorescent light fixture similar to Havells Cat. or equivalent. NS	102	Each	
23	N.S.	S/E 2*11 watt CFL surface mounted down light fixtures similar to Havells Cat. or Equivalent. NS	134	Each	
24	N.S.	S/E of ceiling fan 1200 MM sweep with electronic socket type modular regulator complete as per requirement(Make: Havells energy saving 5 star rating or equivalent NS	48	Each	
25	N.S.	S/E of exhaust fan PVC with louver shutter of 305 mm dia 900 RPM .(Make: Havells energy saving 5 star rating or equivalent NS	24	Each	
26	N.S.	S/E of single phase 2 wire digital electronic energy meter class -I NS	12	Each	
27	N.S.	S/E of coaxial cable for T.V. feeder wire size RG-59	4000	Mtr	

Sr. No.	H.S.R. No.	<u>Description</u>	<u>Qty.</u>	<u>Unit</u>	Rate to be quoted by the contractor
28	N.S.	Supply, drawing and making connections with Telephone single cord outlet and Telephone Junction Box with the following unarmoured PVC insulated Telephone wires in existing conduits from the telephone outlet points to the Telephone junction box.			
		1 (2x0.51mm) unarmoured PVC insulated ATC cable	4000	Mtr	
29	N.S.	Providing and fixing in position socket for coaxial cable of suitable size with all fixing accessories complete in all respect upto the entire satisfaction of engineer-in-charge of the work.	50	Nos.	

1. **The description, specification in the above schedule shall be corrected as per Haryana PWD schedule of rates, 1988 in case of any error or omission.**
2. **Wiring work will be done with modular accessories.**

HDM

Executive Engineer