

Indian Institute of Technology Mandi

Name of work: -

Construction of two Rooms at Botanical garden and 2 No's water tank for Botanical garden and Herbal garden respectively at Kamand Campus of IIT Mandi.

NIT

INDIAN INSTITUTE OF TECHNOLOGY MANDI

O/o Superintending Engineer, IIT Mandi, Kamand campus
Distt. Mandi (H.P.) Pin 175005

INDIAN INSTITUTE OF TECHNOLOGY MANDI

O/o Superintending Engineer, IIT Mandi, Kamand campus

Name of work:- "Construction of two Rooms at Botanical garden and 2 No's water tank for Botanical garden and Herbal garden respectively at Kamand Campus of IIT Mandi".

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Indian Institute of Technology Mandi

Name of work: Construction of two Rooms at Botanical garden and 2 No's water tank for Botanical garden and Herbal garden respectively at Kamand Campus of IIT Mandi.

Volume I Of Part A

O/o Superintending Engineer, IIT Mandi, Kamand campus

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Certified that this tender Document volume-I of part A contains total pages from 3 to 12

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING FORMING
PART OF BID DOCUMENT AND TO BE POSTED ON WEBSITE
(Applicable for inviting open bids)

The Superintending Engineer, IIT Mandi, Kamand campus, Distt Mandi (HP) on behalf of BoG Re-invites online item rate bids in two bids system from approved and eligible contractors of appropriate class enlisted with CENTRAL/STATE GOVT. ORGANIZATION/CENTRAL AUTONOMOUS BODY/ CENTRAL PUBLIC SECTOR UNDERTAKING for the following work(s):

Sr. No.	NIT No.	Name of work & Location	Estimated cost put to Bid	Cost of tender document	Earnest money	Period of completion	Last date & time of submission of bids	Time & date of opening of bids	Last date & Time for submitting EMD and other documents by lowest bidder	Last date & Time for submitting Tender cost
1	2	3	4	5	6	7	8	9	10	11
1	IIT Mandi(CW)/SE-838/2017-18/165--67 dated 02-05-2017	Construction of two Rooms at Botanical garden and 2 No's water tank for Botanical garden and Herbal garden respectively at Kamand Campus of IIT Mandi.	Rs. 5,43,661.00	Rs 500.00	Rs 10,873.00	30 Days	05-06-2017 upto 03:00 PM	06-06-2017 at 03:30 PM	Within a week of opening of Financial bid.	At the time of opening of bid by bidder or their representative.

Note: Tender cost shall be submitted by the bidder or their representative in the shape of DD in favour of Registrar, IIT Mandi payable at Kamand at the time of opening of bid.

1. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
2. Information and Instructions for bidders posted on web site shall form part of bid document.

3. Plan, specification can be seen in the office of the SE, IIT Mandi at Kamand campus on working days except on Saturday, Sunday and Public Holidays before last date/time of submission of bid. The bid document consisting of the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from Central Public Procurement Portal website www.eprocure.gov.in free of cost.
4. The bid can only be submitted after uploading the mandatory scanned documents such as Demand Draft or Pay order or Banker's Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank towards EMD in favour of The Registrar, IIT Mandi payable at Kamand and other documents as specified.
5. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
6. The intending bidder must have valid digital signature to submit the bid.
7. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
8. Contractor can upload documents in the form of **PDF format**.
9. Contractor must ensure to quote rate of each item. If any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).

List of Documents to be scanned and uploaded on due date and time mentioned above:

1. Demand Draft of any scheduled bank against tender cost. Original to be deposited at the time of opening of technical bid.
2. Demand Draft/pay order or Banker's Cheque/Deposit at Call Receipt of any Scheduled Bank against EMD.
3. Enlistment Order of the Contractor.
4. Certificate of Registration for Sales Tax / VAT.
5. Certificate of Registration for Service Tax.
6. An undertaking that "The physical EMD shall be deposited by me/us with the SE calling the bid in case I/We become the lowest bidder within a week of opening of bid otherwise the department may reject the bid and also take action to withdraw my/our enlistment /debar me/ us from tendering in IIT Mandi."

-sd-

Superintending Engineer,
IIT Mandi, Kamand campus,
Distt. Mandi (H.P.) Pin 175005
(For and on behalf of the BoG)

Copy to:

1. Institute website.
2. CPP Portal.
3. Notice board.

-sd-

Superintending Engineer

CPWD-6 FOR e-TENDERING

1. The Superintending Engineer, IIT Mandi, Kamand campus, Distt. Mandi (H.P.) on behalf of the BoG Re-invites the online item rate Bids in two bids system from approved and eligible contractors of appropriate class enlisted with CENTRAL/STATE GOVT. ORGANIZATION/CENTRAL AUTONOMOUS BODY/ CENTRAL PUBLIC SECTOR UNDERTAKING for "Construction of lab near badminton court at South campus of IIT Mandi at Kamand".

The enlistment of the contractors should be valid on the last date of submission of bids.

In case the last date of submission of bid is extended, the enlistment of contractor should be valid on the original date of submission of bids)

- a. The work is estimated to cost Rs. 5,43,661.00. This estimate, however, is given merely as a rough guide.
2. Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD 8 which is available as a Govt. of India Publication and also available on website www.cpwd.gov.in. Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be 30 Days from the date of start as defined in schedule 'F' or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
4. The site for the work is available.
5. Plan, specification can be seen in the office of the SE, IIT Mandi at Kamand campus on working days except on Saturday, Sunday and Public Holidays before last date/time of submission of bid. The tender document consisting of the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen and downloaded from Central Public Procurement Portal website www.eprocure.gov.in. free of cost.
6. After submission of the tender the contractor can re-submit revised tender any number of times but before last time and date of submission of tender as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of tender as notified.
8. Earnest Money Rs 10,873.00 can be paid in the form of Demand Draft/pay order or Banker's Cheque/Deposit at Call Receipt (drawn in favour of The Registrar, IIT Mandi, payable at Kamand) of any Scheduled Bank shall be scanned and uploaded to the e-tendering website within the period of tender submission.

The intending bidder has to fill all the details of Demand Draft/ Pay Order/ Banker's Cheque (bankers name, amount, number and date) against EMD etc.

The amount of EMD can be paid by multiple Demand Draft/ Pay Order/ Banker's Cheque/ Deposit at Call Receipt / Fixed Deposit Receipt of any Scheduled Bank.

The physical EMD of the scanned copy of EMD uploaded shall be deposited by the lowest tenderer within a week after opening of financial bid failing which the tender shall be rejected and enlistment of the agency shall be withdrawn by the enlisting authority.

The following undertaking in this regard shall also be uploaded by the intending bidders: -

"The physical EMD shall be deposited by me/us with the SE calling the tenders in case I/We become the lowest tenderer within a week after the opening the financial bid otherwise the department may reject the tender and also take action to withdraw my/our enlistment/ debar me /us from tendering in IIT Mandi."

9. The bid submitted shall be opened at 03:30 PM on 06-06-2017
10. The bid submitted shall become invalid if:
 - a. The bidder is found ineligible.
 - b. The bidder does not upload all the documents (including service tax registration/ VAT registration/ Sales Tax registration) as stipulated in the bid document including the undertaking about deposition of physical EMD of the scanned copy of EMD uploaded.
 - c. If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest tenderer in the office of tender opening authority.
 - d. The lowest bidder does not deposit physical EMD within a week of opening of tender.
11. The contractor whose bid is accepted will be required to furnish performance guarantee of 5% (Five Percent) of the tendered amount within the period specified in Schedule F. This guarantee shall be in the form of Deposit at Call receipt /Banker's Cheque/Demand Draft/Pay order or Fixed Deposit Receipts of any Scheduled Bank in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule 'F' including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along tender shall be returned after receiving the aforesaid performance guarantee.
12. Site of construction is located at south campus of IIT Mandi at Kamand, Distt. Mandi (H.P.) Pin 175005.
13. Intending bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent upon any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
14. The competent authority on behalf of the BoG does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.

15. Canvassing whether directly or indirectly, in connection with tenderer is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
16. The competent authority on behalf of BoG reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
17. The contractor shall not be permitted to tender for works in the IIT Mandi responsible for award and execution of contracts, in which his near relative is posted as a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Gazetted officer in the IIT Mandi. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
18. No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
19. The bid for the works shall remain open for acceptance for a period of Sixty (60) days from the date of opening of financial bids. If any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the re-bidding process of the work.
20. This notice inviting bid shall form a part of the contract document. The successful bidder/contractor, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign contract consisting of: -
 - a. The Notice Inviting bid, all the documents including Special Conditions, General Specifications/ Particular Specifications and drawings, if any, forming part of the bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
 - b. Standard C.P.W.D. Form 8 or other Standard CPWD form as applicable.

SECTION-I
BRIEF PARTICULARS OF THE WORK

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

Sr. No.	Name of Work	Approx. Cost	Period of completion
1.	"Construction of two Rooms at Botanical garden and 2 No's water tank for Botanical garden and Herbal garden respectively at Kamand Campus of IIT Mandi".	5,43,661.00	30 Days

2. The work is situated at South Campus of IIT Mandi at Kamand near Mandi (H.P).
3. Features:
- 3.1 General features and major components of the work are as under:
- a. As per schedule of quantity.
4. Work shall be executed according to General Conditions of Contract 2010 Form 8 for Central P.W.D. Works as amended/corrected up to date.

SECTION-II INFORMATION AND INSTRUCTIONS FOR BIDDERS:

1.0 GENERAL:

- 1.1 All information called for in the enclosed forms should be furnished against the relevant columns in the forms. If for any reason, information is furnished on a separate sheet, this fact should be mentioned against the relevant column. Even if no information is to be provided in a column, a "nil" or "no such case" entry should be made in that column. If any particulars / query is not applicable in case of the bidder, it should be stated as "not applicable". The bidders are cautioned that not giving complete information called for in the application forms or not giving it in clear terms or making any change in the prescribed forms or deliberately suppressing the information may result in the bidder being summarily disqualified. Bids made by telegram or telex and those received late will not be entertained.
- 1.2 The bid should be type written / neatly hand written. The bidder should sign each page of the bid.
- 1.3 Over writing should be avoided. Correction, if any, should be made by neatly crossing out, initialing, dating and rewriting. Pages of the pre-qualification document are numbered. Additional sheets, if any, added by the contractor, should also be numbered by him. These should be submitted as a package with signed letter of transmittal.
- 1.4 References, information and certificates from the respective clients, certifying suitability, technical know-how or capability of the bidder should be signed by an officer not below the rank of Executive Engineer or equivalent.

2.0 DEFINITIONS

- 2.1 In this document the following words and expressions have the meaning hereby assigned to them:
- 2.2 EMPLOYER: Means the BoG, acting through the Superintending Engineer, IIT Mandi, Kamand Campus, Distt. Mandi (H.P.)
- 2.3 CONTRACTOR/ BIDDER/ AGENCY/ FIRM/ APPLICANT: Means the individual, proprietary firm, firm in partnership, limited company private or public or corporation.
- 2.4 Year: means "Financial Year" unless stated otherwise.
- 3.0 Method of Application
- 3.1 If the bidder is an individual, the application shall be signed by him above his full type written name and current address.
- 3.2 If the bidder is a proprietary firm, the application shall be signed by the proprietor above his full typewritten name and the full name of his firm with its current address.
- 3.3 If the bidder is a firm in partnership, the application shall be signed by all the partners of the firm above their full typewritten names and current addresses, or, alternatively, by a partner holding power of attorney for the firm. In the later case a certified copy of the power of attorney should accompany the application. In both cases a certified copy of the partnership deed and current address of all the partners of the firm should accompany the application.
- 3.4 If the bidder is a limited company or a corporation, the application shall be signed by a duly authorized person holding power of attorney for signing the application accompanied by a copy of the power of attorney. The bidder should also furnish a copy of the Memorandum of Articles of Association duly attested by a Public Notary.

4.0 FINAL DECISION MAKING AUTHORITY

The Employer reserves the right to accept or reject any application and to annul the Eligibility Criteria process and reject all applications at any time, without assigning any reason or incurring any liability to the tenderer.

5.0 SITE VISIT

The bidder is advised to visit the site of work, at his own cost, and examine it and its surroundings to himself collect all information that he considers necessary for proper assessment of the prospective assignment.

6.0 Award Criteria

6.1 The employer reserves the right, without being liable for any damages or obligation to inform the bidder, to:

- a. Amend the scope and value of contract to the bidder.
- b. Reject any or all the applications without assigning any reason.

6.2 Any effort on the part of the bidder or his agent to exercise influence or to pressurize the employer would result in rejection of his bid. Canvassing of any kind is prohibited.

Indian Institute of Technology Mandi

Name of work: "Construction of two Rooms at Botanical garden and 2 No's water tank for Botanical garden and Herbal garden respectively at Kamand Campus of IIT Mandi" .

Volume II of Part A

INDIAN INSTITUTE OF TECHNOLOGY MANDI

O/o Superintending Engineer, IIT Mandi, Kamand campus

Indian Institute of Technology Mandi

Name of work: "Construction of lab near badminton court at South campus of IIT Mandi at Kamand".

INDEX– Volume II of Part A

Sl. No.	Particulars	Sheet No.
1	Item rate tender for work (Form CPWD-8)	15-16
2	Schedule (A to F) and GCC2010	17-21

Certified that this tender Document Volume-II of Part A contains pages from 13-21 pages.

FORM NO.8

Indian Institute of Technology Mandi

STATE: HIMACHALPRADESH

DISTT.: MANDI

ITEM RATE TENDER & CONTRACT FOR WORKS

(A) Tender for the work of: -

Name of Work: "Construction of two Rooms at Botanical garden and 2 No's water tank for Botanical garden and Herbal garden respectively at Kamand Campus of IIT Mandi".

- i) To be submitted online by 03:00 PM on 05-06-2017 through website www.eprocure.gov.in to Superintending Engineer, IIT Mandi, Kamand campus, Distt. Mandi (H.P.).
- ii) To be downloaded online in presence of qualified tenderer/their authorized representatives who may be present at 03:30 PM on 06-06-2017 in the office of Superintending Engineer, IIT Mandi, Kamand campus, Distt. Mandi (H.P.).
- iii) Agency: -.....(contractor)

Designation: - Superintending Engineer, IIT Mandi, Kamand campus, Distt. Mandi (H.P.)

TENDER

I/We have read and examined the Notice Inviting Tender, Schedule A, B, C, D, E & F Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, Clauses of Contract, Special Conditions, Schedule of Rate and other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the BoG within the time specified in Schedule 'F', viz. Schedule of Quantities and in accordance in all respects with the Specifications / Special conditions, Designs, Drawings and instructions in writing as referred to in this tender document and with such materials as are provided for, by and in respects in accordance with, such conditions so far as applicable.

CPWD FORM NO.8

We agree to keep the tender open for (60) Sixty days from the date of opening of Financial bid and not to make any modifications in its terms and conditions.

A sum of Rs 10,873.00 is hereby forwarded in Demand Draft or Pay order or Banker's Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank as earnest money. If I/we fail to furnish the prescribed Performance Guarantee within prescribed period, I/we agree that the said BoG or his successor in office shall without prejudice to any other right or remedy be at liberty to forfeit the said Earnest Money absolutely. Further, if I/we fail to commence the work as specified, I/we agree that BoG or his successors in office shall, without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the Performance Guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 & 12.3 of the tender form. Further, I/We agree that in case of forfeiture of earnest money or both Earnest Money & Performance guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

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

Dated:	}	Signature of Contractor	}
Witness: -		Postal Address: -	
Address: -			
Occupation: -		Telephone No.	
	Fax: -		
	E-Mail: -		

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of BoG for a sum of Rs (Rupees.....)

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

- i)
- ii)

-sd-

Superintending Engineer,
IIT Mandi, Kamand campus,
Distt. Mandi (H.P.) Pin 175005
(For and on behalf of the BoG)

AE(C)

16

SE

Correction.. Nil Deletion.. Nil Insertion.. Nil Overwriting.. Nil

SCHEDULES (A to F)

SCHEDULE 'A'

Schedule of quantities - As per Part-C Sheet Nos. 43-48

SCHEDULE 'B'

Schedule of materials to be issued to the contractor

S. No.	Description of item	Quantity	Rate in figures and works at which the material will be charged to the contractor	Place of issue
(1)	(2)	(3)	(4)	(5)
----- NIL -----				

SCHEDULE 'C'

Tools and plants to be hired to the contractor

S. NO.	DESCRIPTION	HIRE CHARGES PER DAY	PLACE OF ISSUE
----- NIL -----			

SCHEDULE 'D'

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

1. Special Conditions - Sheet No. 23-29
2. Particular Specifications. - Sheet No. 30

SCHEDULE 'E'

Reference to General Conditions General Conditions of contract 2010 for CPWD works of Contract: amended upto No. DGW/CON/279 dated 9.05.2014.

- 1.1 Name of work: - "Construction of two Rooms at Botanical garden and 2 No's water tank for Botanical garden and Herbal garden respectively at Kamand Campus of IIT Mandi."
- 1.2 Estimated cost of work: - Rs 5,43,661.00
- 1.3 Earnest Money: - Rs 10,873.00
- 1.4 Performance Guarantee 5.00% of Tendered value
- 1.5 Security Deposit 5.00% of Tendered value

SCHEDULE 'F': -

General Rules & Directions:-
Officer Inviting Tender

Superintending Engineer,
IIT Mandi, Kamand campus,
Mandi (H.P.)

Maximum percentage for quantity of
items of work to be executed beyond
which rates are to be determined in
accordance with
Clauses 12.2 & 12.3

Refer Clause-12

Definitions:-

2(v) Engineer-In-Charge

Superintending Engineer,
IITMandi, Kamand campus,
Mandi (H.P.)

2(viii) Accepting Authority

Superintending Engineer,
IITMandi, Kamand campus,
Mandi (H.P.)

2(x) Percentage on cost
of materials and
labour to cover all
overheads and
profits

15%

2(xi) Standard Schedule of Rates

Delhi Schedule of Rates 2014 with upto
Date correction slips

2(xii) Department

Indian Institute of Technology Mandi

9(ii) Standard CPWD Contract Form

GCC2010, CPWD Form 8 as amended up
to DGW/CON/279 dated 09.05.2014.

Clause-1:

(i) Time allowed for submission of
Performance guarantee after date
of issue of letter of acceptance

7 days

(ii) Maximum allowable extension with
Late fee@0.1% per day of the
Performance guarantee amount
beyond the period provided in (i) above

4 days

Clause-2:

Authority for fixing compensation
under clause-2

Superintending Engineer, IIT Mandi

Clause-2A:

Whether clause-2A shall be
applicable.

N/A

AE(C)

18

SE

Correction.. Nil Deletion.. Nil Insertion.. Nil Overwriting.. Nil

Clause-5:

Number of days from the date of issue of letter of acceptance for reckoning date of start 7 days

Time allowed for execution of work 30 Days.

Authority to decide

i. Extension of time for completion of work. Superintending Engineer, IIT Mandi, Kamand campus

ii. Re-scheduling of Milestone N.A.

iii. Shifting of date of start in case of delay in handing over of site. Superintending Engineer, IIT Mandi, Kamand campus

Clause-6, 6A: -

Clause applicable-(6or6A): - 6

Clause-7: -

Gross work to be done together With net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment NA

Clause-10A: -

List of testing equipment to be Provided by the contractor at site lab. NA

Clause-10-B(ii).

Whether clause 10-B (ii) shall be applicable No

Clause-10C: -

NA

Clause10CA

NA

Materials covered under this clause:	Nearest material (other than cement, reinforcement bars and structural steel) for which All India Whole sale Price Index to be followed	Base Price of the materials covered under10CA.
1.Cement		-----
2.Reinforcement bars a)Primary producers only	NIL	-----
3.Structural Steel (Primary Producers only) RSJ/Channel sections MS Angles/ Flats / steel plates.		-----

*The rates taken are FOR at Site inclusive of all taxes i.e. excise duty, VAT etc. and carriage.

Clause-10-CC: - Not Applicable.

Schedule of component of other materials, Labour, POL etc. for price escalation: -

Component of civil (Except materials covered under clause 10CA)/ -----
 Electrical construction materials expressed as percent of total value
 of work.

Component of labour expressed as percent of total value of work. -----

Component of P.O.L. expressed as percent of total value of work. -----

Clause-11:- Specifications to be followed for execution of work C.P.W.D. Specifications 2009 Vol. I & II with correction slips issued up to last date of submission of tender, particular specifications, manufacturer's specification and work shall be got executed to the satisfaction of Engineer in-charge.

Clause-12:- Type of Work: Original work.

12.2&12.3 Deviation limit beyond which Clause 12.2 & 12.3 shall apply for building work. 30%

12.5 (i) Deviation limits beyond which Clause 12.2 & 12.3 shall apply for foundation works (except earth work) 30%
 (ii) Deviation Limit for items in earth Work Subhead of DSR or related items 100%

Clause-16:-Competent Authority for deciding reduced rates. Superintending Engineer, IIT Mandi Kamand campus, Mandi (H.P.)

Clause-18:- List of mandatory machinery tools & Plants to be deployed by the Contractor at site NA

Clause-25:

Constitution of Dispute Redressal	Competent Authority to appoint DRC
DRC shall constitute one Chairman and two members.	Director, IIT Mandi

Clause-36(I)

Sr.No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical/ Technical Representative)	Minimum Experience	Number	Rate at which recovery shall be made from contractor in the event of non-deployment.	
						Figures	Words

Clause-42:-

NA

- i) a) Schedule/Statement for determining with correction slips issued up to date. -----
- ii) Variations permissible on theoretical quantities.
 - a) Cement for works with estimated cost Put to tender not more than Rs. 5Lacs. -----
 - Cement for works with estimated cost Put to tender for morethanRs.5Lacs. -----
 - b) Steel Reinforcement and structural steel sections for each diameter, section and category. -----
 - c) Bitumen for all work. -----
 - d) All other materials. -----

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION : NA

S.No.	Description of item	Rates in figures and words at which recovery shall be made from the contractor	
		Excess beyond Permissible Variation	Less use from the permissible variation
1.	Cement	NIL	----- ---
2.	Steel a) Primary producers	NIL	----- ---
3.	Structural Steel (Primary producers only) RSJ / Channel sections MS Angles / Flats / steel plates.	NIL	----- ---

Indian Institute of Technology Mandi

Name of work :- "Construction of two Rooms at Botanical garden and 2 No's water tank for Botanical garden and Herbal garden respectively at Kamand Campus of IIT Mandi" .

PART B

INDIAN INSTITUTE OF TECHNOLOGY MANDI

O/o Superintending Engineer, IIT Mandi, Kamand campus

SPECIAL CONDITIONS

1.0 General

- 1.1 Except for the items, for which Particular Specifications are given or where it is specifically mentioned otherwise in the description of the items in the schedule of quantities, the work shall generally be carried out in accordance with the "CPWD Specifications 2009 Vol.I & II" with up to date correction slips, additional / Particular Specifications, Architectural / structural drawings and as per instructions of Engineer-in-Charge.

The several documents forming the tender are to be taken as mutually complementary to one another. Detailed drawings shall be followed in preference to small scale drawings and figured dimensions in preference to scaled dimensions.

Should there be any difference or discrepancy between the description of items as given in the schedule of quantities, particular specifications for individual items of work (including special conditions) and I.S. Codes etc., the following order of preference shall be observed :

- i) Description of Schedule of Quantities
- ii) Particular Specifications and Special Conditions, if any.
- iii) Drawings
- iv) CPWD Specifications.
- v) Indian Standard Specifications of B.I.S.
- vi) Manufacturers' specifications & as decided by Engineer-in- charge.

"In the event of any variation/ discrepancy in the drawings, specifications and tender documents etc. the decision of the Engineer-in-charge shall be final binding and conclusive on the contractor and in the case the contractor have any doubt and the same should be got clarified immediately from the Engineer-in-charge and no claim of the contractor shall be entertained thereafter. Moreover, the agency is not allowed to take benefit out of any clerical/ grammatical mistake in the standard clauses/Schedule of Quantities/Specifications etc. being used in the agreement".

The works to be governed by this contract shall cover delivery and transportation up to destination, safe custody at site, insurance, erection, testing and commissioning of the entire works.

- 1.2 The work shall be got executed through approved specialized agencies as per attached list and to the Satisfaction of the Engineer in charge.
- 1.3 The works to be undertaken by the contractor shall interalia include the following:
- a. Preparation of detailed SHOP drawings and AS BUILT drawings wherever applicable.
 - b. Obtaining of Statutory permissions where-ever applicable and required.
 - c. Pre-commissioning tests as per relevant standard specifications, code of practice, Acts and Rules wherever required.
 - d. Warranty obligation for the equipments and/or fittings/fixtures supplied by the contractor.
- 1.4 Any reference made to any Indian Standard Specifications, shall imply to the latest version of that standard, including such revisions / amendments as issued by the Bureau of Indian Standards up to last date of receipt of tenders. The Contractor shall keep at his own cost all such publications including relevant Indian Standard Codes applicable to the work at site.
- 1.5 Samples including brand / quality of materials and fittings to be used in the work shall be got approved from the Engineer-in-Charge, well in advance of actual execution and shall be preserved till the completion of the work.
- 1.6 The contractor, his authorized representative, workmen etc. shall strictly observe orders pertaining to fire precautions prevailing in the area.
- 1.7 The tenderer shall see the approaches to the site. In case any approach from main road is required at site or existing approach is to be improved and maintained for cartage of materials by the contractor, the same shall be provided, improved and maintained by the contractor at his own cost.

- 1.8 Contractor shall take all precautionary measures to avoid any damage to adjoining property. All necessary arrangement shall be made at his own cost.
- 1.9 The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards day and night, speed limit boards, red flags, red lights and providing barriers. He shall be responsible for all damages and accidents caused to work due to negligence on his part. No hindrances shall be caused to traffic, during the execution of the work.
- 1.10 The contractor shall provide at his own cost suitable weighing and measuring arrangements as may be necessary at site for checking. All such equipments shall be got calibrated in advance from laboratory, approved by the Engineer-in-Charge. Nothing extra shall be payable on this account.
- 1.11 All the materials, fittings and accessories should conform to approved manufacturers specifications where CPWD Specifications are not applicable. The contractor should get the materials (fixtures/fittings) tested from approved labs wherever required at his own cost.
- 1.12 The work shall be carried out in accordance with the Architectural drawings and Structural drawings, to be issued from time to time, by the Engineer-in-Charge. Before commencement of any item of work, the contractor shall correlate all the relevant architectural and structural drawings issued for the work, nomenclature of items, specifications etc. and satisfy himself that the information available there from is complete and unambiguous. The figures & the written dimensions of the drawing shall super cede the measurement by scale. The discrepancy, if any, shall be brought to the notice of the Engineer-in-Charge for immediate decision before execution of the work. The contractor alone shall be responsible for any loss or damage occurring by the commencement of work on the basis of any erroneous and/ or incomplete information and no claim, whatsoever shall be entertained on this account.
- 1.13 The contractor should submit the shop drawing of staging and shuttering for approval of Engineer-in-Charge before actually commencing the execution of work under the item. Nothing extra shall be payable on this account.
- 1.14 All material shall only be brought at site as per program finalized with the Engineer-in-Charge. Any pre- delivery of the material not required for immediate consumption shall not be accepted and thus not paid for.
- 1.15 The contractor shall procure the required materials in advance so that there is sufficient time for testing of the materials and approval of the same before use in the work.
- 1.16 Existing drains, pipes, cables, over-head wires, sewer lines, water lines and similar services encountered in the course of the execution of work shall be protected against the damage by the contractor at his own expense. The contractor shall not store materials or otherwise occupy any part of the site in a manner likely to hinder the operation of such services. In case temporary supporting of such services is required to facilitate the work, the same shall be done by the contractor at no extra cost.
- In case the existing services are to be shifted permanently, then before dismantling the existing services, alternate/diversion of service lines has to be laid by the contractor so that there is no interruption in use of existing services. The contractor has to plan the alternate suitable route for diversion/shifting of service lines and get the same approved from the Engineer-in-Charge before starting shifting of services. Nothing extra shall be paid except the payment of dismantling and laying of new service lines as per conditions of contract.
- 1.17 The contractor shall be responsible for the watch and ward / guard of the buildings, safety of all fittings and fixtures provided by him against pilferage and breakage during the period of installations and thereafter till the building is physically handed over to the client department. No extra payment shall be made on this account.
- 1.18 The contractor shall be fully responsible for the safe custody of materials brought by him/ issued to him even though the materials may be under double lock key system.
- 1.19 For construction works which are likely to generate malba / rubbish, contractor shall dispose of malba, rubbish & other unserviceable materials and wastes at his own cost to the notified specified dumping ground and under no circumstances these shall be stacked / dumped even temporarily, outside the construction premises.
- 1.20 The rates quoted by the Contractor are deemed to be inclusive of site clearance, setting out work,

profile, establishment of reference bench mark(s), taking spot levels, construction of all safety and protection devices, barriers, preparatory works, working during monsoon, working at all depths, height, lead, lift and location etc until / unless specified otherwise and any other incidental works required to complete this work. Nothing extra shall be payable on this account.

- 1.21 Any legal or financial implications resulting out of disposal of earth shall be sole responsibility of the contractor. Nothing extra over the schedule shall be paid on this account.
- 1.22 The Contractor shall keep himself fully informed of all acts and laws of the Central & State Governments, all orders, decrees of statutory bodies, tribunals having any jurisdiction or authority, which in any manner may affect those engaged or employed and anything related to carrying out the work. All the rules & regulations and bye-laws laid down by Collector / MC etc. and any other statutory bodies shall be adhered to, by the contractor, during the execution of work. The Contractor shall also adhere to all traffic restrictions notified by the local authorities. It is clarified that the extra sewerage charges (one time charges for commencement of work) required to be paid to the Municipal Corporation / other statutory bodies shall be paid by the department and need not be considered by the contractor. The water charges (for municipal water connection as well as tanker water) shall be borne by the contractor. Also, if the contractor obtains water connection for the drinking purposes from the municipal authorities or any other statutory body, the consequent sewerage charges shall be borne by the contractor. All statutory taxes, levies, charges (including water and sewerage charges, charges for temporary service connections and / or any other charges) payable to such authorities for carrying out the work, shall be borne by the Contractor. The Contractor shall arrange to give all notices as required by any statutory / regulatory authority and shall pay to such authority all the fees that is required to be paid for the execution of work. He shall protect and indemnify the Department and its officials & employees against any claim and /or liability arising out of violations of any such laws, ordinances, orders, decrees, by himself or by his employees or his authorized representatives. Nothing extra shall be payable on these accounts. The fee payable to statutory authorities for obtaining the various permanent service connections and Occupancy Certificate for the building shall be borne by the Department.
- 1.23 Royalty at the prevalent rates shall be paid by the Contractor as per the terms of supply between them on all materials such as boulders, metals, sand and bajri etc. collected by him for the execution of the work, directly to the revenue authority of the state government concerned. Nothing extra shall be payable on this account.
- 1.24 No foreign exchange shall be made available by the Department for importing (purchase) of equipment, plants, machinery, materials of any kind or any other items required to be carried out during execution of the work. No delay and no claim of any kind shall be entertained from the Contractor, on account of variation in the foreign exchange rate.
- 1.25 The Contractor shall conduct his work so as not to interfere with or hinder the progress of the work being performed by other Contractors or by the Engineer-in-Charge. As far as possible, he shall arrange his work and place, so as not to interfere with the operations of other Contractors or shall arrange his work with that of the others, in an acceptable and coordinated manner and shall perform it in proper sequence.
- 1.26 The Contractor shall assume all liability, financial or otherwise in connection with this contract and shall protect and indemnify the Department from any and all damages and claims that may arise on any account. The Contractor shall indemnify the Department against all claims in respect of patent rights, royalties, design, trademarks of name or other protected rights, damages to adjacent buildings, roads or members of public, in course of execution of work or any other reasons whatsoever, and shall himself defend all actions arising from such claims and shall indemnify the Department in all respect from such actions, costs and expenses. Nothing extra shall be payable on this account.
- 1.27 The Contractor shall make all necessary arrangements for protecting from rains, the work already executed and for carrying out the further work, during monsoon including providing and fixing temporary shelters, protections etc. Nothing extra shall be payable on this account. Also, no claims for hindrance shall be entertained on this account.
- 1.28 In case of flooding of site on account of rain or any other cause and any consequent damage, whatsoever, no claim financially or otherwise shall be entertained notwithstanding any other provisions elsewhere in the contract agreement. Also, the Contractor shall make good, at his own cost, the damages caused, if any.

- 1.29 The Contractor shall take all necessary precautions to prevent any nuisance or inconvenience to the owners, tenants or occupants of the adjacent properties and to the public in general. The Contractor shall take all care, as not to damage any other adjacent property or other services running adjacent to the plot. If any damage is done, the same shall be made good by the Contractor at his own cost and to the entire satisfaction of the Engineer-in-Charge. The Contractor shall use such methodology and equipments for execution of the work, so as to cause minimum environmental pollution of any kind during construction, to have minimum construction time and minimum inconvenience to road users and to the occupants of the buildings on the adjacent plot and public in general, etc. He shall make good at his own cost and to the entire satisfaction of the Engineer in Charge any damage to roads, paths, cross drainage works or public or private property whatsoever caused, due to the execution of the work or by traffic brought thereon, by the Contractor. Further, the Contractor shall take all precautions to prevent any pollution of streams and waterways. All waste or superfluous materials shall be carted away by the Contractor, entirely to the satisfaction of the Engineer-in- Charge. Utmost care shall be taken to keep the noise level to the barest minimum so that no disturbance as far as possible is caused to the occupants / users of adjoining buildings. No claim what so ever on account of site constraints mentioned above or any other site constraints not specifically stated here, shall be entertained from the Contractor. Therefore, the Contractors are advised to visit site and get first hand information of site constraints. Accordingly, they should quote their tenders. Nothing extra shall be payable on this account.
- 1.30 All ancillary and incidental facilities required for execution of work like labour camp, stores, fabrication yard, offices for Contractor, watch and ward, temporary ramp required to be made for working at the basement level, temporary structure for plants and machineries, water storage tanks, installation and consumption charges of temporary electricity, telephone, water etc. required for execution of the work, liaison and pursuing for obtaining various No Objection Certificates, completion certificates from local bodies etc., protection works, barricading, testing facilities / laboratory at site of work, facilities for all field tests and for taking samples etc. during execution or any other activity which is necessary (for execution of work and as directed by Engineer- in-Charge), shall be deemed to be included in rates quoted by the Contractor, for various items in the schedule of quantities. Nothing extra shall be payable on these accounts. Before start of the work, the Contractor shall submit to the Engineer-in-Charge, a site / construction yard layout, specifying areas for construction, site office, positioning of machinery, material yard, cement and other storage, steel fabrication yard, site laboratory, water tank, etc.
- 1.31 The Contractor shall display all permissions, licenses, registration certificates, bar charts, other statements etc under various labour laws and other regulations applicable to the works, at his site office.
- 1.32 No tools and plants including any special T&P etc. shall be supplied by the Department and the Contractor shall have to make his own arrangements at his own cost. No claim of hindrance (or any other claim) shall be entertained on this account.

The Contractor shall cooperate with and provide the facilities to the associate-Contractors and other agencies working at site for smooth execution of the work. The Contractor shall

- a. Allow use of scaffolding already erected, toilets, sheds etc.
- b. Properly co-ordinate their work with the work of other Contractors.
- c. Provide control lines and benchmarks to his associate-Contractors and the other Contractors.
- d. Provide electricity and water at mutually agreed rates.
- e. Provide hoist and crane facilities for lifting material at mutually agreed rates.
- f. Co-ordinate with other Contractors for leaving inserts, making chases, alignment of services etc. at site.
- g. Adjust work schedule and site activities in consultation with the Engineer-in- Charge and other Contractors to suit the overall schedule completion.
- h. Resolve the disputes with other Contractor amicably and the Engineer-in- Charge shall not be made intermediary or arbitrator. The contractor shall indemnify the Department against any claim(s) arising out of such disputes.

- 2.0 Unless otherwise specified in the schedule of quantities or CPWD specifications, the rates for respective items shall be all inclusive and apply to the following: -
- i) All lifts & all heights, floors including terrace, leads and depths.
 - ii) All labour, material, tools and plants and other inputs involved in the execution of the item.
 - iii) Any of the conditions and specifications mentioned in the tender documents.
 - iv) Providing sunk flooring in bath-Rooms, kitchen, etc.
 - v) Any legal or financial implications resulting out of disposal of earth, if any.
 - vi) Payment of Royalty at the prevailing rates, if any, on the boulders, metal, shingle, sand and bajri etc. or any other material collected by him for the work direct to revenue authorities.
 - vii) Performance test of the entire installation(s) before the work is finally accepted.
 - viii) Any cement slurry added over base surface (or) for continuation of concreting for better bond is deemed to have been built in the items.
 - ix) All incidental charges for cartage, storage and safe custody of materials brought to site.

3.0 SECRECY

- 3.1 The contractor shall take all steps necessary that all persons employed on any work in connection with the contract have notice that the Indian Official Secrets Act 1923 applies to them & will continue so to apply even after the execution of such works under the contract.
- 3.2 The contract is confidential and must be strictly confined to the contractor's own use (except so far as confidential disclosure to sub-contractors or suppliers as necessary) and to the purpose of the contract.
- 3.3 All documents, copies thereof & extracts there from furnished to the contractor shall be returned to the Engineer-in-Charge on the completion of the work / works or the earlier determination of the contract.

4.0 LABOUR AND SECURITY

- 4.1 Contractor should provide his plan for labour huts as per his requirement and get it approved from the Engineer-in-Charge. The contractor will be provided space for labour huts etc. inside the campus but the space requirement and location, as assessed by Engineer-in-Charge shall be final and binding.
- 4.2 Contractor has to follow the security requirement of the campus and obtain necessary entry passes for the labour and vehicles and follow security checks at entry / exit gates, restriction on movement of vehicle, restricted timings of working etc. The Department however shall assist the contractor in obtaining such passes for movement of vehicles and labour. No claim whatsoever shall be entertained on account of delay in entry of vehicles and labour including restrictions in working hours, if there is any.
- 4.3 The contractor shall employ only Indian Nationals after verifying their antecedents and loyalty. The contractor shall, on demand submit list of his agents, employees and work people concerned & shall satisfy as to the bonafides of such people.
- 4.4 The contractor & his work people shall observe all relevant rules regarding security promulgated in which work is to be carried out by the Controlling Administrative Authority of the campus/area (hereinafter referred to as "Administrator").
- 4.5 The contractor, his representative, workman shall be allowed to enter through specified gates & timing as laid down by the controlling authority. They shall be issued an identity card or an individual pass in accordance with the standing rules & regulations & they should possess the same while working. The contractor shall be responsible for the conduct & actions of his workmen, agents / representatives.
- 4.6 Normally contractor shall be allowed to carry out work between 7 AM to 6 PM. However, he may also be allowed to carry out the work beyond 6 PM & up to 7 AM if the site conditions / circumstances so

demand with prior written permission from the "Administrator". However, if the work is carried out in more than one shift or at night, no claim on this account shall be entertained.

4.7 Normally contractor's material / vehicles etc shall be allowed to move in / go-out between 7 AM to 7 PM only & no movement of material / vehicles out of site of work shall be allowed during night hours unless specific permission is obtained from the "Administrator".

4.8 In case if a separate entry has been allowed, the contractor has to make all arrangement for making a separate entry gate and barricading of the working area to segregate/separate the same from other areas. All these have to be done by the contractor at his own cost including safeguarding any untoward incident in the restricted area due to separate entry gate and barricading arranged by the contractor. No extra amount on this account shall be payable by the department.

5.0 TRANSPORTATION AND OFFICE INFRASTRUCTURE:

5.1 In order to complete the work within the scheduled time if the contractor shall be required to do the work in more than one shift and accepted by the department the contractor will provide vehicular facilities to the IIT Mandi site staff to reach the site and their residence at his own cost for their services required beyond the normal office hours. In case the contractor fails to provide the facilities Engineer-in-Charge shall be at liberty to make the arrangement themselves and deduct the respective cost from the contractor's bills.

5.2 The contractor shall make arrangement for Helmets and leather shoes (meant of construction work at sites) for all field staff of the department during the entire period of construction for safety reasons. One helmet and two pairs of shoes per staff member (maximum ten members) of the departments per year shall be arranged by the contractor.

6.0 DOCUMENTATION

The Contractor shall render all help and assistance in documenting the total sequences of this project by way of photography, slides, audio / video recording & other records etc. Nothing extra shall be payable to Contractor on this account. However, cost of photographs, slides, audio / video graph etc. shall be borne by the Department. The original films shall be the property of the Department. No copy shall be prepared without the prior approval of the Engineer- in – Charge.

7.0 PROGRESS AND MONITORING OF WORK:

7.1 Apart from the above integrated program chart, the contractor shall be required to submit monthly progress report of the work in a computerized form. The progress report shall contain the following, apart from whatever else may be required as specified:

- i) Construction schedule of the various components of the work through a bar chart for the next three quarters (or as may be specified), showing the milestones, targeted tasks and up to date progress.
- ii) Progress chart of the various components of the work that are planned and achieved, for the month as well as cumulative up to the month, with reason for deviations, if any in a tabular format.
- iii) Plant and machinery statement, indicating those deployed in the work.
- iv) Man-power statement, indicating individually the names of all the staff deployed on the work, along with their designations.
- v) Financial statement, indicating the broad details of all the running account payment received up to date, such as gross value of work done, advances taken, recoveries effected, amount withheld, net payments details of cheque payment received etc.

7.2 For completing the work in time, the Contractor might be required to work in two or more shifts (including night shifts). No claim whatsoever shall be entertained on this account, not withstanding the fact that the Contractor may have to pay extra amounts for any reason, to the labourers and other staff engaged directly or indirectly on the work according to the provisions of the labour and other statutory bodies regulations and the agreement entered upon by the Contractor with them.

7.3 The work should be planned in a systematic manner so that chase cuttings in the walls, ceilings and floors is minimized. Wherever absolutely essential, the chase shall be cut using chase cutting machines. Chases will not be allowed to be cut using hammer / chisel. The electrical boxes should be

fixed in walls simultaneously while raising the brick work. The contractor shall ensure proper co-ordination of various disciplines viz. building works, sanitary & water supply & electrical installations etc.

- 7.4 The contractor shall conduct his work, so as not to interfere with or hinder the progress or completion of the work being performed by other contractor(s) or by the Engineer-in-Charge and shall as far as possible arrange his work and shall place and dispose off the materials being used or removed so as not to interfere with the operations of other contractor or he shall arrange his work with that of the others in an acceptable and coordinated manner and shall perform it in proper sequence to the complete satisfaction of Engineer-in-charge.
- 7.5 The Contractor shall do proper sequencing of the various activities by suitably staggering the activities within various pockets in the plot so as to achieve early completion. The agency may deploy adequate equipment, machinery and labour as required for the completion of the entire work within the stipulated period specified. Also ancillary facilities shall be provided commensurate with requirement to complete the entire work within the stipulated period. Nothing extra shall be payable on this account. Adequate number/sets of equipment in working condition, along with adequate stand-by arrangements, shall be deployed during entire construction period. It shall be ensured by the Contractor that all the equipment, Tools & Plants, machineries etc. provided by him are maintained in proper working conditions at all times during the progress of the work and till the completion of the work. Further, all the constructional tools, plants, equipment and machineries provided by the Contractor, on site of work or his work shop for this work, shall be exclusively intended for use in the construction of this work and they shall not be shifted / removed from site without the permission of the Engineer-in-Charge.
- 7.6 All material shall only be brought at site as per program finalized with the Engineer-in-Charge. Any pre- delivery of the material not required for immediate consumption shall not be accepted and thus not paid for.

8.0 SAFETY MEASURES

- 8.1 Contractor shall take all precautionary measures to avoid any damage to adjoining property. All necessary arrangement shall be made at his own cost.

9.0 Warning / Caution Boards

All temporary warning / caution boards / glow signage display such as "Construction Work in Progress", "Keep Away", "No Parking", Diversions & protective Barricades etc. shall be provided and displayed during day time by the Contractor, wherever required and as directed by the Engineer-in-Charge. These glow signage and red lights shall be suitably illuminated during night also. The Contractor shall be solely responsible for damage and accident caused, if any, due to negligence on his part. Also he shall ensure that no hindrance, as far as possible, is caused to general traffic during execution of the work. This signage shall be dismantled & taken away by the Contractor after the completion of work, only after approval of the Engineer – in – Charge. Nothing extra shall be payable on this account.

10.0 Sign Boards

The Contractor shall provide and erect a display board of size and shape as required and paint over it, in a legible and workman like manner, the details about the salient features of the project, as required by the Engineer-in-Charge. The Contractor shall fabricate and put up a sign board in an approved location and to an approved design indicating name of the project, client / owner, architects, structural consultants, Department etc. besides providing space for names of other Contractors, Associate contractors and specialized agencies. Nothing extra shall be payable on this account.

- 11.0 Necessary protective and safety equipments shall be provided to the Site Engineer, Supervisory staff, labour and technical staff of the contractor by the Contractor at his own cost and used at site.
- 12.0 No inflammable materials including P.O.L shall be allowed to be stored in huge quantity at site. Only limited quantity of P.O.L may be allowed to be stored at site subject to the compliance of all rules / instructions issued by the relevant authorities and as per the direction of Engineer -in- Charge in this regard. Also all precautions and safety measures shall be taken by the Contractor for safe handling of the P.O.L products stored at site. All consequences on account of unsafe handling of P.O.L shall be borne by the Contractor.

PARTICULAR SPECIFICATIONS

As per schedule of quantity.

Form of Earnest Money Deposit Bank Guarantee Bond

WHEREAS, contractor..... (Name of contractor) (hereinafter called "the contractor") has submitted his tender dated (date) for the construction of (name of work) (hereinafter called "the Tender")

KNOW ALL PEOPLE by these presents that we (name of bank) having our registered office at (hereinafter called "the Bank") are bound unto (Name and division of Executive Engineer) (hereinafter called "the Engineer-in-Charge") in the sum of Rs. (Rs. in words) for which payment well and truly to be made to the said Engineer-in-Charge the Bank binds itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this day of 20... . THE CONDITIONS of this obligation are:

- (1) If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;
- (2) If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:
 - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required;
 - OR
 - (b) fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor,
 - OR
 - (c) fails or refuses to start the work, in accordance with the provisions of the contract and Instructions to contractor,
 - OR
 - (d) fails or refuses to submit fresh Bank Guarantee of an equal amount of this Bank Guarantee, against Security Deposit after award of contract.

We undertake to pay to the Engineer-in-Charge up to the above amount upon receipt of his first written demand, without the Engineer-in-Charge having to substantiate his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by him is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date* after the deadline for submission of tender as such deadline is stated in the Instructions to contractor or as it may be extended by the Engineer-in-Charge, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

Date

Signature of the Bank

Witness

SEAL

(SIGNATURE, NAME AND ADDRESS)

*Date to be worked out on the basis of validity period of 6 months from last date of receipt of tender.

Form of Performance Security (Guarantee) Bank Guarantee Bond

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

1. We, (hereinafter referred to as "the Bank") hereby undertake to pay to the IIT Mandi an amount not exceeding Rs. (Rupees..... Only) on demand by the IIT Mandi.
2. We,(indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from the IIT Mandi stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. (Rupeesonly)
3. We, the said bank further undertake to pay the IIT Mandi any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment thereunder and the Contractor(s) shall have no claim against us for making such payment.
4. We, (indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the IIT Mandi under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer- in- Charge on behalf of the IIT Mandi certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.
5. We, (indicate the name of the Bank) further agree with the IIT Mandi that the IIT Mandi shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the IIT Mandi against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on the part of the IIT Mandi or any indulgence by the IIT Mandi to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).

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

Dated theday offor.....(indicate the name of the Bank)

**GUIDELINES REGARDING SIGNING OF INTEGRITY PACT BY THE BIDDER AT THE TIME OF
SUBMISSION OF BID (Vide No. DG/CON/255A dated 10.08.2011)**

Sub: Clarification regarding Introduction of Integrity Pact introduced vide OM No. CON 255 dated 23.05.2011

A new provision of Integrity Pact (IP) was introduced in GCC-2010 vide OM No. CON/255 dt. 23.05.2011. In the OM it is mentioned that at the time of submission of bid, it shall be mandatory to sign the pact by the bidder failing which the bidder will stand disqualified from the tendering process and such bid would be summarily rejected.

Some field Units has raised their doubts regarding submission of duly signed Integrity Pact by the bidder at the time of submission of bid. In this regard it is clarified that:-

1. Submission of duly signed Integrity Pact by the bidder is applicable in case of manual tendering where e-tendering is not followed.
2. In case of manual tendering Executive Engineer should sign the first page addressed to the intending bidder at the time of issue of tender form and before submission of the bid, each bidder shall sign IP at respective places and submit the bid. If duly signed IP is not submitted by the bidder, such bid shall not be considered.
3. In case of e-tendering, Integrity Pact shall be treated in the same manner as other components of the bid document. In e-tendering, the intending bidder does not sign any document physically and entire bid document is submitted through digital signature. Since IP is a part of bid document no separate physical submission is required with other documents to be submitted in the office of tender opening authority. In addition to other component of bid document, the Integrity Pact along shall also be signed between Executive Engineer and successful bidder after acceptance of bid.

INTEGRITY PACT

To

.....,
.....,
.....

Sub: NIT No. for Construction of two Rooms at Botanical garden and 2 No's water tank for Botanical garden and Herbal garden respectively at Kamand Campus of IIT Mandi.

Dear Sir,

It is here by declared that IIT Mandi is committed to follow the principle of transparency, equity and competitiveness in public procurement. The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender/bid documents, failing which the tenderer/bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the IIT Mandi.

Yours faithfully

Superintending Engineer,
IIT Mandi, Kamand campus,
Distt. Mandi (H.P.) Pin 175005

INTEGRITY PACT

To

Superintending Engineer,
IIT Mandi, Kamand campus,
Distt. Mandi (H.P.) Pin 175005

Sub: Submission of Tender for the work of “Construction of two Rooms at Botanical garden and 2 No’s water tank for Botanical garden and Herbal garden respectively at Kamand Campus of IIT Mandi”.

Dear Sir,

I/We acknowledge that IIT Mandi is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/bid document.

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

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

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

Yours faithfully

(Duly authorized signatory of the Bidder)

To be signed by the bidder and same signatory competent / authorized to sign the relevant contract on behalf of IIT Mandi.

INTEGRITY AGREEMENT

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

BETWEEN

BoG represented through Superintending Engineer, IIT Mandi, Kamand campus, Distt. Mandi (H.P.) hereinafter referred as '**Principal/Owner**', which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

AND

..... (Name and Address of the Individual/ firm/ Company) through (Hereinafter referred to as the (Details of duly authorized signatory) "**Bidder/Contractor**" and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

Preamble

WHEREAS the Principal / Owner has floated the Tender (hereinafter referred to as "**Tender/Bid**") and intends to award, under laid down organizational procedure, contract for "**Construction of two Rooms at Botanical garden and 2 No's water tank for Botanical garden and Herbal garden respectively at Kamand Campus of IIT Mandi** (Name of work) hereinafter referred to as the "**Contract**".

AND WHEREAS the Principal/Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/transparency in its relation with its Bidder(s) and Contractor(s). AND WHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as "**Integrity Pact**" or "**Pact**"), the terms and conditions of which shall also be read as integral part and parcel of the Tender/Bid documents and Contract between the parties.

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

Article 1: Commitment of the Principal/Owner

- 1) The Principal/Owner commits itself to take all measures necessary to prevent corruption and to observe the following principles:
 - (a) No employee of the Principal/Owner, personally or through any of his/her family members, will in connection with the Tender, or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - (b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the Tender process or the Contract execution.
 - (c) The Principal/Owner shall endeavour to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- 2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles herein mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

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

- 1) It is required that each Bidder/Contractor (including their respective officers, employees and agents) adhere to the highest ethical standards and report to the Government / Department all suspected acts of **fraud or corruption or Coercion or Collusion** of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

- 2) The Bidder(s)/Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
- a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/Owner's employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
 - b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
 - c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - d) The Bidder(s)/Contractor(s) of foreign origin shall disclose the names and addresses of agents/representatives in India, if any. Similarly Bidder(s)/Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/parallel tender for the same item.
 - e) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
- 3) The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 4) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice **means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests.**
- 5) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the Principal/Owner under law or the Contract or its established policies and laid down procedures, the Principal/Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Principal/Owner's absolute right:

- 1) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/Owner after giving 14 days notice to the contractor shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate/determine the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/Owner. **Such exclusion may be forever or for a limited period as decided by the Principal/Owner.**

- 2) **Forfeiture of EMD/Performance Guarantee/Security Deposit:** If the Principal/Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated/determined the Contract or has accrued the right to terminate/determine the Contract according to Article 3(1), the Principal/Owner apart from exercising any legal rights that may have accrued to the Principal/Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/Contractor.
- 3) **Criminal Liability:** If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

- 1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public Sector Enterprises in India that could justify his exclusion from the Tender process.
- 2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/ Owner.
- 3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

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

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

Article 6- Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 12 months after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded. If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, IIT Mandi.

Article 7- Other Provisions

- 1) This Pact is subject to Indian Law, place of performance and jurisdiction is the **Head quarters of the Division** of the Principal/Owner, who has floated the Tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
- 4) Should one or several provisions of this Pact turn out to be invalid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this **Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.**

Article 8- LEGAL AND PRIOR RIGHTS

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact. IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

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

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

1.
(signature, name and address)

2.
(signature, name and address)

Place:

Dated :

LIST OF APPROVED MAKES FOR CIVIL WORKS

Sr. No.	Material	Approved make
1.	Cement	ACC, Ultratech, Ambuja, JayPee Cement, J.K. Cement.
2.	Steel primer & synthetic enamel paint	ICI, Nerolac, Asian Paints
3.	Structural steel	Jindal, SAIL, TATA
4	Steel	Jindal, SAIL, TATA
5	Aluminium - Windows, Glazing and Partitions.	Jindal, Indalco, Hindalco.
6	Washbasin	Jaquar, Hindware, Cera
7	G.I. / M.S. Pipe	Tata, Jindal (Hisar), Parkash Steel Tubes
8	GI roofing sheet	TATA, Jindal, Bhushan,

Note: - The Superintending Engineer, IIT Mandi reserves the right to add or delete any materials and Brands in the list of approved materials/brands.

Indian Institute of Technology Mandi

Name of work :- "Construction of two Rooms at Botanical garden and 2 No's water tank for Botanical garden and Herbal garden respectively at Kamand Campus of IIT Mandi" .

PART C

INDIAN INSTITUTE OF TECHNOLOGY MANDI

O/o Superintending Engineer, IIT Mandi, Kamand campus

INDEX-PART-C (SCHEDULE OF QUANTITIES)

Sl.No.	Description	Sheet No.
1	Schedule of Quantity(Civil)	43-48

It is certified that this document PART-C (Schedule of Quantity) containing pages from sheet no. 43 to 48.

Schedule of quantity

Name of work: "Construction of two Rooms at Botanical garden and 2 No's water tank for Botanical garden and Herbal garden respectively at Kamand Campus of IIT Mandi".					
Item No	Description of Item	Qty	Unit	Rate	Amount
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	54.88	cum		
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	20.08	cum		
3	Coursed rubble masonry (second sort) with hard stone in foundation & plinth with : Cement mortar 1:6 (1 cement : 6 coarse sand) as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	6.49	cum		
4	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : cement mortar 1:4 (1 cement : 4 coarse sand) as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts	8.19	sqm		
5	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Lintels, beams, plinth beams, girders, bressumers and cantilevers as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts	5.66	sqm		
6	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Foundations, footings, bases of columns, etc. for mass concrete as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts	47.28	sqm		

7	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size). as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	10.30	cum		
8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	1835.72	kg		
9	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	1.30	cum		
10	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand) as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	8.79	cum		
11	Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	43.39	sqm		
12	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size). as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	4.79	cum		
13	P/L Hard stone for soling Hand packet under floor including carriage of material with in all lead & lift as per entire satisfaction and direction of Engineer - in - charge. as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	1.88	cum		

14	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : "1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size). as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	1.25	cum		
15	12 mm cement plaster finished with a floating coat of neat cement of mix : 1:3 (1 cement: 3 fine sand) as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	23.10	sqm		
16	Supplying and fixing C.I. cover with frame for manholes and Septic Tank 455x610 mm rectangular C.I. cover (light duty) the weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts	2	each		
17	Providing and fixing brass stop cock of approved quality : 20 mm nominal bore as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	2	each		
18	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. a) External work 20 mm dia nominal bore as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	6.00	mtr		
19	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix : 1:3 (1 cement: 3 fine sand) as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	55.91	sqm		
20	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand) as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	56.40	sqm		
21	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand) as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts	12.50	sqm		
22	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm) as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	46.10	sqm		

23	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	78.71	sqm		
24	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	78.71	sqm		
25	<p>Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :</p> <p>For fixed portion</p> <p>Powder coated aluminium (minimum thickness of powder coating 50 micron) as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.</p>	50.10	kg		

26	<p>Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :</p> <p>For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)</p> <p>Powder coated aluminium (minimum thickness of powder coating 50 micron) as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.</p>	70.38	kg		
27	<p>Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):</p> <p>With float glass panes of 5.50 mm thickness as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.</p>	6.00	sqm		
28	<p>Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge.</p> <p>Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.</p>	4.00	sqm		

29	Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete. Galvanised M.S. Wire gauze with 0.63 mm dia wire and 1.4 mm aperture on both sides as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	3.00	sqm		
30	Providing and fixing roller for sliding door shutter as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	4	each		
31	Providing and fixing aluminium handles, ISI marked, Powder coated aluminium (minimum thickness of powder coating 50 micron) as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 200 mm as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	4	each		
32	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	2	each		
33	Providing and fixing chappu handle for sliding window shutter of approved quality as per entire satisfaction and direction of engineer- in – charge as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	4	each		
34	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete. Single rubber stopper as per entire satisfaction and direction of Engineer-in-charge including carriage of material in all leads and lifts.	2	each		

-sd-

Superintending Engineer