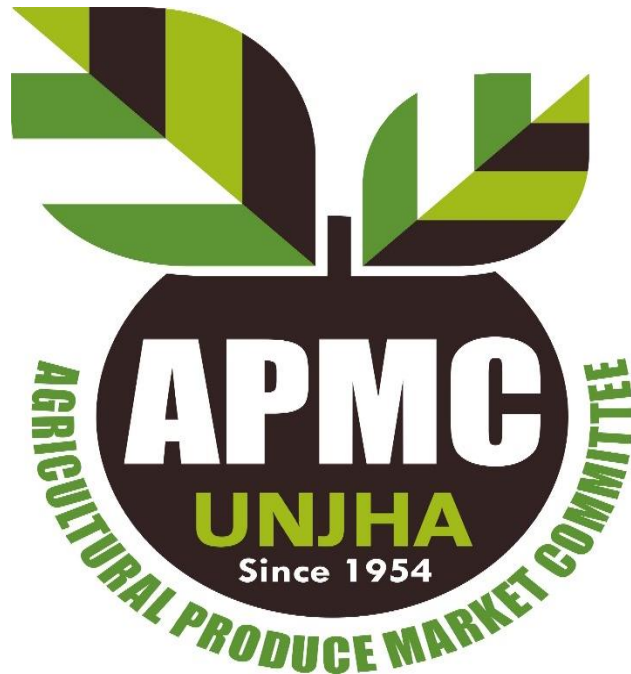


The Agricultural Produce Market Committee UNJHA



TECHNICAL BID

NAME OF WORK:

**Construction of New Sub Market yard at Brahmanwada
R.S. NO-613 of A.P.M.C. Unjha. Under the scheme of
AMI sub scheme of ISAM**

ESTIMATED COST PUT TO TENDER ₹. 627789022.10

Chairman
APMC
Unjha

STANDARD BIDDING DOCUMENT

PROCUREMENT OF

CIVIL WORKS

COMPLETE BIDDING DOCUMENT

For

**Construction of New Sub Market yard at Brahmanwada
R.S. NO-613 of A.P.M.C. Unjha. Under the scheme of
AMI sub scheme of ISAM**



GOVERNMENT OF GUJARAT

THE AGRICULTURE PRODUCE MARKET COMMITTEE

This is a generic SBD to be used for Civil works. Each user/concern department needs to examine and put up their particular bidding requirement like; qualification criteria, contract Data etc., marked at [#] while finalizing their own bidding process.

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INVITATION FOR BID
(IFB)

NATIONAL COMPETITIVE BIDDING

1. The Agriculture Produce Market Committee, UNJHA invites bids for the construction of works detailed in the table.

The bidders may submit bids for the following works.

TABLE

Package No.	Name of work	Approximate value of works (Rs.)	Bid security (Rs.)	Cost of document	Period of completion	Class of Registration / Category of contractor if required
1	2	3	4	5	6	7
1	Construction of New Sub Market yard at Brahmanwada R.S. NO-613 of A.P.M.C. Unjha. Under the scheme of AMI sub scheme of ISAM	627789022.10	6277900.00	18000.00	24 Month	AA Class with Building Cat I and above

2. Prospective / Interested bidder may download the Bid Documents from website <https://www.tender.nprocure.com> free of cost till the Time and Date as mentioned on online NIT at website <https://www.tender.nprocure.com>.
3. However, Bidder who is submitting the Bid Online will have to pay the Bid Document Fee / Tender Fee through Demand Draft only of any Schedule Bank payable at Unjha and in favour of 'The Agriculture Produce Market Committee, UNJHA'. Once the Bid is received online, Bid Document / Tender Fee will not be refundable.
- The Demand Draft for Bid Document / Tender fee and FDR / DD/ Bank Guarantee against Bid Security / EMD shall be submitted in electronic format through online (by scanning) while uploading the bid, this submission shall mean that bid document / tender fee and Bid Security / EMD has been received. Accordingly, the offer of only those shall be opened whose Bid Document / Tender Fee and Bid Security / EMD have been received electronically. However, for the purpose of realization of Demand Draft, and FDR / DD/Bank Guarantee bidder shall send the same in original through R.P.A.D. so as to reach to The Agriculture Produce Market Committee, UNJHA within 7 Days from the last day of bid submission.
- Penaltative action for not submitting Demand Draft / FDR / Bank Guarantee in original to The Agriculture Produce Market Committee, UNJHA/ Tender Inviting Authority by bidder shall be initiated.
4. Bids received online, will be opened on the time, date and place as specified in the online NIT at website <https://www.tender.nprocure.com> in the presence of the bidders or their authorized representatives, who wish to remain present.
- If the office happens to be closed on the day of opening of the bids as specified, the bids will be opened on the next working day at the same time and venue.
5. A pre bid meeting will be held on 22/04/2024 at 11.00.hrs. at the office of APMC Unjha to clarify the issues and to answer questions on any matter that may be raised at that stage as stated in clause 9.2 of 'instructions to Bidders' of the bidding documents.
6. Bid Security (EMD) is equal to 1% of Estimated Amount put to bid / tender and should be rounded off to the next thousand rupees.
7. Other Information is as under:
- A. Agencies can prepare and edit their offers a number of times before the end of the tender submission date and time. After the tender submission date and time, the bidder cannot modify / edit / withdraw their submitted offer in any case. No written or online request in this regard shall be granted.
- B. Offers in physical form will not be accepted in any case.

- C. Demand Draft purchased by the other than bidder and issued after the last date of submission of Bids, will not be considered or accepted.
- D. The cost incurred by the contractor for this offer for clarification or attending discussion, conferences or site visits will not be reimbursed by the Employer or Engineer-in-Charge.
- E. Conditional tender shall not be accepted.
- F. Any changes, addition, alternation made in the prescribed form attached with tender are liable to be rejected.
- G. Any change in format or conditional Bank Guarantee will not be accepted and the bidder will be considered non-responsive.
- H. All the bidders are instructed to fill in information strictly in accordance with the format given in the checklist /qualification document / tender document.
- I. It is mandatory for the bidders to supply each and every information as asked strictly in electronic format at appropriate places only.
- J. Blank / insufficient information shall be treated as nil information and shall result in disqualification.
- K. Even if the bidder has been qualified in a similar or larger size of project in the past, it shall not be deemed to be a ground / reason for not giving required information for this work / bid.
- L. Information supplied for earlier projects shall not be considered while evaluation of this bid. The APMC Unjha will not ask for any other information, unless it is found absolutely necessary by the competent authority.
- M. If found necessary, the contractor will be intimated for negotiation,

For the works costing up to 7.5 crore (ROAD), 7.0 crore (BUILDING & BRIDGE) kindly refer to SSR-10-2015-17-C dated 03-02-2017

For the works costing under 7.5 crore for Road Works and 7.0 crore for Building and Bridge Works following documents shall be submitted in electronic format only through online by scanning and the (i) Bid Document Fee / Tender Fee (ii) Bid Security / EMD should be sent in original to the Tender opening authority through RPAD, so as to reach the office of The agriculture produce Market Committee office Unjha within 7 days from last day of submission of Bid.

- (i) Bid Document Fee / Tender Fee
- (ii) Bid Security / EMD
- (iii) Registration Certificate of Appropriate Class
- (iv) Registration Certificate of Special Category - Building and Category I
- (v) GST Number
- (vi) Pan No
- (vii) Solvency Certificate (20 % Estimate cost)
- (viii) Work Experience certificate of last 5 Year with Form G signed by not below the rank of EE or equivalent as per tender
- (ix) Other Documents, as required...
- (x) Last five-year IT return, CA certified turn over certificate and last five-year Audit report
- (xi) P F Certificate with last one-year chalan
- (xii) On going Committed work certificate with work order signed by not below the rank of EE or equivalent as per tender
- (xiii) Machinery List as per tender
- (xiv) Staff Details as per tender
- (xv) Methodology of work in details
- (xvi) Tentative C.P.M Chart of work programme
- (xvii) MOU of Electrical Contractor of A class Electrical registration with all profile
- (xviii) MOU of Experience contractor of Over Head and Under ground water tank with experience certificate

SECTION - 1
INSTRUCTIONS TO
BIDDERS (ITB)

TENDER PAPERS

NAME OF WORK:-

**Construction of New Sub Market yard at Brahmanwada R.S.
NO-613 of A.P.M.C. Unjha. Under the scheme of AMI sub
scheme of ISAM**

**Chairman
The Agriculture Produce Market Committee,
UNJHA**

THE AGRICULTURE PRODUCE MARKET COMMITTEE

UNJHA

ITEM RATE TENDER AND CONTRACT FOR WORKS

કામો માટેનું દરવાણુ ટેન્ડર અને કોન્ટ્રાક્ટ

Name of work : Construction of New Sub Market yard at Brahmanwada R.S. NO-613 of A.P.M.C. Unjha. Under the scheme of AMI sub scheme of ISAM

The Agriculture Produce Market Committee, UNJHA

ટેન્ડર વેબસાઈટ પરથી ઓનલાઈન ડાઉનલોડીંગ તારીખ ૨૬-૦૩-૨૪ થી
૨૮-૦૪-૨૪ સાંજે ૧૮.૦૦ કલાક સુધી

ટેન્ડર વેબસાઈટ પર ઓનલાઈન સબમીશન કરવા માટેની
તારીખ ૨૬-૦૩-૨૪ થી ૨૮-૦૪-૨૪ સાંજે ૧૮.૦૦ કલાક સુધી

**ચેરમેન
એ.પી.એમ.સી.
ઉઝા**

MEMORANDUM OF WORKS IN BRIEF

કરવાના કામની ટુકમાં યાદી

- 1) Name of work કામનું નામ Construction of New Sub Market yard at Brahmanwada R.S. NO-613 of A.P.M.C. Unjha. Under the scheme of AMI sub scheme of ISAM
- 2) Estimated Cost - અંદાજી કિંમત Rs. **627789022.10**
- 3) Earnest Money - બાનાની રકમ(૧ ટકા) Only Rs. **6277900.00**
FDR of Nationalized Bank , Exemption certificate not allowed
- 4) Validity period of tender offered (120) days from the last date of online tender submission
ઓફર કેટલા દિવસ ખુલ્લી રહેશે. ટેન્ડર ના ઓન લાઈન સબમીશનની છેલ્લી તા.થી (૧૨૦) દિવસો સુધી (વેલીડીટી સમય પુરો થાય ત્યાં સુધી) કોઈ ફેરફાર કરી શકાશે નહીં.
- 5) Security Deposite- જામીનગીરી અનામત
(i) In the form of DD/FDR. (of minimum 30 months time limit.2.5 % of Est cost) Rs. 15694700.00
(ii) To deducted from bills (2.5% of Est. Cost.) Rs. 15694700.00
૨) ચાલુ બીલોમાંથી કરવાની કપાત
(iii) Performance bond of Schedule Bank
૩) અનુસુચિત બેન્કનું બાહેધરી પત્ર (5% of Est. Cost put to Tender.) Rs. 31389400.00
Total એકંદરે Rs. 62778800/-
- 6) Tender Fee Rs. 18000/-
- 7) Time allowed for completion of the work from the date of written order to commence 24Months
- 8) Other details
(i) Date on or before which the tender must be submitted Online. Dt. 29/04/2024 upto 18:00 Hrs
૧) ટેન્ડર ઓનલાઈન પર ભરીને વેબસાઈટ પર મુકી દેવાની છેલ્લી તારીખ તા. ૨૯/૦૪/૨૦૨૪ ૧૮.૦૦ કલાક સુધી
a) Online through e-tendering only.
ક) ઓનલાઈન થ્રુ ઈ-ટેન્ડરીંગ ધ્વારા
(ખ)ટપાલથી મોકલેલ ટેન્ડર સીધુ રદ કરવામાં આવશે.
(ii) Mode of sending the tender
૨) ટેન્ડર મોકલવાની પદ્ધતિ a)Name of Work :- **Construction of New Sub Market yard at Brahmanwada R.S. NO-613 of A.P.M.C. Unjha. Under the scheme of AMI sub scheme of ISAM**
(b) Tenders sent by post will be Out right rejected. b.) Last date of Receiving on line tender
(ખ)ઓન લાઈન ટેન્ડર સ્વીકારવાની છેલ્લી તારીખ
(iii) Description essential to be made on bid
૩) બીડ પર દર્શાવવાની જરૂરી વિગત In figures as well as words
આંકડા તેમજ શબ્દોમાં
(iv) Mode of quoting rate in Schedule "B"
૪) અનુસુચિ 'ખ' માં ભાવ ભરવાની રીત

૨૯	૦૪	૨૦૨૪
૧૮.૦૦ કલાક સુધી		

Tender Consolidated Details

NIT/ Tender Details

[View BOQ Details](#)

Department Name	The Agriculture Produce Market Committee
Circle/ Division	The Agriculture Produce Market Committee, UNJHA
IFB No.	02 of 2023-2024
Name of Project	Construction of New Sub Market yard at Brahmanwada R.S. NO-613 of A.P.M.C. Unjha. Under the scheme of AMI sub scheme of ISAM
Name of Work	Construction of New Sub Market yard at Brahmanwada R.S. NO-613 of A.P.M.C. Unjha. Under the scheme of AMI sub scheme of ISAM
Estimated Contract Value (INR)	Rs. 627789022.10 Rupees Sixty Two Crores Seventy Seven Lakhs Eighty Nine Thousand Twenty Two and Paise Ten Only
Period of completion (in Months)	24 Months
Bidding Type	Open tender
Bid Call (Nos)	1
Tender Currency Settings	Indian Rupee (INR)
Joint Venture	Not Allowed
Rebate	Applicable
Amount Details	
Bid Processing Fee (INR):	Rs. 18000/-
Bid Processing Fee Payable To: D.D. in favour of	The Agriculture Produce Market Committee, UNJHA
Bid Security/ EMD(INR):	Rs.6277900.00 Rupees Sixty Two Lakhs Seventy Seven Thousand Nine Hundred and Paise Zero Only
Bid Security/ EMD Drawn in Favour of: D.D. in favour of	The Agriculture Produce Market Committee, UNJHA
Tender Dates	
Bid Document Downloading End Date	29/04/2024 upto 18:00:00
Last Date & Time for Receipt of Bids	29/04/2024 upto 18:00:00
Pre-Bid conference date and time	22-04-2024 upto 12:30:00 at APMC Unjha
Opening of Bid	11/05/2024 at 12.30.00 and onward
Bid Validity Period	120 Days
Remarks:	Submission in electronic format only through online by scanning and then the same should be sent in original to tender opening authorities at the time of tender opening or sent through RPAD/ hand delivery so as to reach Chairman, The Agriculture Produce Market Committee. UNJHA Upto 06/05/2024 office hours Tender fee and EMD is not paid as shown in bid document, action to hold his registration in abeyance shall be taken and his E tendering code will be cancelled for one year
Other Details	
Officer Inviting Bids:	Chairman The Agriculture Produce Market Committee, UNJHA
Bid Opening Authority:	The Agriculture Produce Market Committee, UNJHA
Address:	The Agriculture Produce Market Committee, Opposite Clock Tower, Gunj Bajar, UNJHA-384170
Contact Details:	+91 2767-253608/ 253979/ 252508

General Instructions:	<p>a) The cost of tender document will not be refunded under any circumstances.</p> <p>b) EMD in the form specified in tender document only shall be accepted.’</p> <p>c) The offer shall be valid for 120 days from the last date of online tender submission</p> <p>d) Tenders without Tender document fees, Earnest Money Deposit (EMD) and which do not fulfill all or any of the condition or submitted incomplete in any respect will be rejected.</p> <p>e) Not more than one tender for single work shall be submitted by a bidder. Bidder can submit the bid for the package individually. No joint venture is allowed. Bidder can apply either as individual or partnership firm or any other corporate body as the case may be.</p> <p>f) Conditional tender shall not be accepted.</p> <p>g) Employer reserves the right to accept lowest tender or reject any or all tenders without assigning any reason.</p> <p>h) The notice shall form a part of contract document.</p> <p>i) The bidders are advised to read carefully the “Instruction” and “Eligibility Criteria” contained in the tender documents.</p> <p>j) The bid for the work shall remain open for acceptance for a period of 120 days from the date of date of online tender submission of bid. If any bidder withdraws his bid/ tender before the said period or makes any modifications in the terms and conditions of the bid, the said earnest money shall stand forfeited.</p> <p>(k) A bidder shall not be permitted to bid for works in the Division responsible for award and execution of contracts in which his or his spouse’s near relative (defined as first blood relations, and their spouses) is posted as Divisional Accountant or as an officer in any capacity between the grades of Chairman APMC Unjha and APMC Committee (both inclusive).</p> <p>l) No Engineer of gazette rank or other Gazette officer employed in Engineering or Administrative duties in an Engineering Department of the State Government is allowed to work as a Contractor for a period of two years after his retirement from Government service, without Government permission. 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 as aforesaid before submission of the tender or engagement in the Contractor’s service</p> <p>m) The internet site address for E-Tender is www.tender.nprocure.com. and details shall be on APMC UNJHA. website www.apmcunjha.com</p>
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Instruction to Bidders for Online Tender Participation

- 1 All tenders documents can be downloaded free from the website www.tender.nprocure.com
- 2 All bids should be submitted online from the website www.tender.nprocure.com
- 3 All bids should be digitally signed, for details regarding digital signature certificate and related training involved the below mentioned address should be contacted.

(n) Code solutions

A division of GNFC

301, GNFC Infotower, Bodakdev,
Ahmedabad-380 054 (India)
Tel : +91 79 55610585/86, 55216611
Fax: +91 79 55610587.
www.ncodesolutions.com

- 4 The user can get a copy of instructions to online participation from the website www.tender.nprocure.com
- 5 The bidders should register on the website through the "New Supplier" link provided at the home page, the registration on the site should not be taken as registration or empanelment or any other form of registration with the tendering authority
- 6 The application for training and issue of digital signature certificates should be made at least 72 hours in advance to the due date and time of tender submission.
- 7 For all queries regarding use of digital signature certificate should be addressed to personnel in M/s (n) Code Solutions.
- 8 For all queries regarding tender specifications and any other clauses included in tender document should be addressed to personnel in tendering office address provided below

Contact Details

Mode of Quoting Rates

Contact Details

Chairman
The Agriculture Produce Market Committee,
Opposite Clock Tower, Gunj Bajar
UNJHA-384170
(02767) 253608

Key Dates

Due Date and Time of Online Submission 29/04/2024 at 18:00 Hrs.

Due Date and Time of Opening of bid: 11/05/2024 at 12:30 Hrs.

key Value

Document Fee: ₹ 18,000.00

Earnest Money Deposit (EMD) (Rs. In Lacs): 62.78

Estimated Value (Rs. in Lacs): 6277.87

Signature of the Contractor

Chairman
A.P.M.C.
UNJHA

Section 1: Instructions to Bidders

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A. GENERAL

1. Scope of Bid

- 1.1 The Employer (Named in Appendix to ITB) invites bids for the Construction of works (as defined in these documents and referred to as 'the works') detailed in the table given in IFB. The bidders may submit bids for any or all of the works detailed in the table given in IFB.
- 1.2 The successful bidder will be expected to complete the works by the intended completion date specified in the Contract data.
- 1.3 Throughout these bidding documents, the terms 'bid' and 'tender' and their derivatives (bidder/ tenderer, bid / tender, bidding/ tendering, etc.) are synonymous.

2. Source of Funds

- 2.1 The expenditure on this project will be met from the budget of APMC unjha for sponsored projects.

3. Eligible Bidders

- 3.1 This Invitation for Bids is open to all eligible bidders.
- 3.2 All bidders shall provide in Section 2, Forms of Bid and Qualification Information, a statement that the Bidder is neither associated, nor has been associated, directly or indirectly, with the consultant or any other entity that has prepared the design, specifications, and other documents for the Project or being proposed as Project Manager for the Contract. A firm that has been engaged by the Employer to provide consulting services for the preparation or supervision of the works, and any of its affiliates, shall not be eligible to bid.

4. Qualification of the Bidder

- 4.1 All bidders shall provide in Section 2, Forms of Bid and Qualification Information, a preliminary description of the proposed work method and schedule, including drawings and charts, as necessary. The proposed methodology should include a program of construction backed with equipment planning and deployment duly supported with broad calculations and quality assurance procedures proposed to be adopted justifying their capability of execution and completion of work as per technical specifications, within stipulated period of completion.

4.2 Deleted

4.3 Deleted

4.4 Deleted

#4.5 QUALIFICATION CRITERIA:

(Applicable for the works which require Post Qualification)

- 4.5.1 Qualification will be based on Applicant's meeting all the following minimum pass/fail criteria regarding the Applicant's general and particular experience, personnel and equipment capabilities and financial positions, as demonstrated by the applicant's responses in the forms attached to the letter of application (specified requirement for joint ventures are given under para 4.6 below) Subcontractors experience and resources shall not be taken in to account in determining the applicants compliance with the qualifying criteria

To qualify for more than one contract, the applicant must demonstrate having experience and resources sufficient to meet the aggregate of the qualification criteria for each contract given in paragraphs 4.5.4, 4.5.5 and 4.5.9 below

4.5.2 Base year and Escalation

The base year shall be taken as Current financial year

Following enhancement factors will be used for the costs of works executed and the financial figure to a common base value for works completed in India.

<u>Year</u>	<u>Financial Year</u>	<u>Multiplying factor</u>
Base year of inviting tender	2023-2024	1.00
-1	2022-2023	1.10
-2	2021-2022	1.21
-3	2020-2021	1.33
-4	2019-2020	1.46
-5	2018-2019	1.61

Applicant should indicate actual figures of costs and amount for the works executed by them without accounting for the above-mentioned factors.

In case the financial figures and value of completed works are in foreign currency the above enhanced multiplying factors will not be applied. Instead, the current market exchange rate (State Bank of India BC Selling rate as on the last date of submission of the bid) will be applied for the purpose of conversion of the amount in foreign currency into India rupees.

4.5.3. General Experience.

The Applicant shall meet with the following minimum criteria:

- (a) Achieved a minimum annual financial turnover **3139.00** lacs for works in progress and completed in all classes of civil engineering construction works only) in any one year, over the last five years.
 - For arriving updated value of annual turnover escalation factor given in cl. 4.5.2 will be applied
 - CA Certified copy showing annual turnover shall be submitted.
- (b) Experience in successfully completing or substantially completing at least one contract of Similar nature of work (Frame structure Building with all facility) of at least 40 percent (**2511.15 Lacs**) of the value of proposed contract in one year within the last five years.

The works may have been executed by the applicant as prime contractor or as a member of a joint venture or as a nominated sub-contractor. As subcontractor, he should have acquired the experience of execution of all major items of works under the proposed contract. In case a project has been executed by a joint venture, weight towards experience of the project would be given to each joint venture in proportion to their financial participation in the joint venture.

Substantially completed works means those works which are at least 90 % completed as on the date of submission (i.e. gross value of work done up to the

last date of submission is 90 % or more of the original contract price) and continuing satisfactorily.

For these, a certificate from the employers shall be submitted along with the application incorporating clearly the name of the work, contract value, billing amount, date of commencement of works, satisfactory performance of the contractor and any other relevant information.

For updating completion cost of the work to the current financial year, procedure narrated in cl. 4.5.2 shall mutatis mutandis apply. (the experience certificate showing amount of successfully completed similar Nature of works in one year shall be submitted signed by the officer not below the rank of EE)

(c) Contractor should have completed 60% of quantity of principal items of work like concrete, Rubble work within last five financial years. Certificate of competent authority of work done with detail shall be produced.

Sr. No.	Particulars of item	Required Quantity
1	Concrete work including PCC	25655.00 Cu.M
2	Masonry Work	4800.00 Cu.M
3	Steel work for RCC	785500.00 Kg
4	Earthwork/Excavation/filling	63150.00 Cu.M
5	Vitrified tile/ Kotah stone	12000.00 Sq M
6	Electric work	2700 Point
7	Plaster work all thickness	64200 Sq M
8	Termite controlled treatment	13200 Sq M

(the experience certificate showing quantity of work done of particular items shall be submitted signed by the officer not below the rank of EE)

4.5.4. Personnel Capabilities.

Availability for his work of personnel with adequate experience as required; as per **Appendix.**

4.5.5. Equipment Capabilities

Based on the studies carried out by the Engineer, the minimum suggested major equipment to attain the completion of works in accordance with the prescribed construction schedule are shown in the Appendix.

The bidders should, however, undertake their own studies and furnish with their bid, a detailed construction planning and methodology supported with layout and necessary drawings and calculations to allow the employer to review their proposals. The numbers, types and capacities of each plant/equipment shall be shown in the proposals along with the cycle time for each operation for the given production capacity to match the requirements.

4.5.6. Financial Position

The Applicant should give undertaking that he has access to, or has available, liquid assets (aggregate of working capital, cash in hand and uncommitted bank guarantees) and / or credit facilities up to 25 percent of the value of the contract / contracts applied.

4.5.7. The audited balance sheets for the last five years should be submitted, which must demonstrate the soundness of the applicant's financial position, showing long – term

profitability including an estimated financial projection for the next two years. If necessary, the employer will make inquiries with the applicant's bankers.

4.5.8. Litigation History

The Applicant should provide accurate information on any litigation or arbitration resulting from contracts completed or under execution by him over the last five years. A consistent history of awards against the Applicant or any partner of a joint venture may result in failure of the applicant.

4.5.9. Disqualification

Even though the applicants meet the above criteria, they are subject to be disqualified if they have:

Made misleading or false representation in the forms, statements submitted, and / or Record of poor performance such as abandoning the work, rescinding of contract for which the reasons are attributable to the non – performance of the contractor; consistent history of litigation awarded against the applicant or financial failure due to bankruptcy. The rescinding of contract of a joint venture on account of reasons other than non – performance, such as Most Experienced partner of joint venture pulling out, court directions leading to breaking up of a joint venture before the start of work, which are not attributable to the poor performance of the contractor will, however, not affect the qualification of the individual partners.

~~#4.6 JOINT VENTURE: (Maximum 3 Members i.e. 1 Lead & 2 Others)~~
~~(Applicable only for estimated project cost of 50 Crore and above)~~

~~4.6.1. Joint ventures must comply with the following requirement:~~

~~(a) Following are the minimum qualification requirements:~~

~~(i) The lead partner shall meet not less than 50 percent of all criteria given in para 4.5.3 & 4.5.6 above. The joint venture must collectively satisfy the criteria of para 4.5.3 & 4.5.6 above. The experience of the other joint venture partners shall be considered if it is not less than 30 percent of the qualifying criteria in para 4.5.3 & 4.5.6 above.~~

~~(ii) Individually each member must satisfy the requirements of para 4.5.7 & 4.5.8 above.~~

~~(b) Bid shall be signed so as to legally bind all partners, jointly and severally, and shall be submitted with a copy of the joint venture agreement providing the joint and several liabilities with respect to the contract.~~

~~4.6.2. Qualification of a joint venture does not necessarily qualify any of its partners individually or as a partner in any other joint venture. In case dissolution of a joint venture, each one of the constituent firms may qualify if they meet all the qualification requirements, subject to the written approval of the Employer.~~

4.7. Bid Capacity.

Applicants who meet the minimum qualification criteria will be qualified only if their available bid capacity at the expected time of bidding is more than the total estimated cost of the works. The available bid capacity will be calculated as under:

Assessed Available Bid Capacity = (A*N*2-B), where

A = Maximum value of work executed in any one year during the last five years (updated to the price level of the year indicated in appendix) taking into account the completed as well as works in Progress.

B = Value at current price level of the existing commitments and ongoing works to be completed during the next___(period of completion of work for which bids are invited); and

N = Number of years prescribed for completion of the works for which the bids are invited.

4.8 Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:

- Made misleading or false representation in the forms, statements and Attachments the submitted in proof the qualification requirements; and / or

- Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delay in completion, litigation history, or financial failures etc.; and/ or
- Participated in the previous bidding for the same work and had quoted unreasonably high bid prices or low bid price and could not furnish rational justification to the employer.

5. One bid per bidder

5.1. Each bidder shall submit only one bid for one package. A bidder who submits or participates in more than one bid (other than as a subcontractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the bidder's participation to be disqualified.

6. Cost of Bidding

6.1. The bidder shall bear all costs associated with the preparation and submission of his Bid, and the Employer will in no case be responsible and liable for those costs.

7. Site Visit

7.1. The Bidder, at the Bidder's own responsibility and risk is encouraged to visit and examine the Site of work and its surrounding and obtain all information that may be necessary for preparing the Bid and entering into a contract for construction of the Works.

The costs of visiting the site shall be at the Bidder's own expense.

B. BIDDING DOCUMENTS

8. Content of Bidding Documents

- 8.1 The set of bidding documents comprises the documents listed below and addenda issued in accordance with Clause 10:

Section	Particulars	Volume No.
-	Invitation for Bids	I
1	Instructions to Bidders	
2	Qualification Information, and other forms	
3	Conditions of Contract	
4	Contract Data	
5	Technical Specifications	II
6	Form of Bid	III
7	Bill of Quantities	
8	Securities and other forms	
9	Drawings	IV
10	Documents to be furnished by bidder	V

- 8.2 Volumes I, II, III and IV are available online and documents to be furnished by the bidder in compliance to section 2 will be prepared by him and furnished as Volume-V in two parts (refer clause 12).
- 8.3 The bidder is expected to examine carefully all instructions, conditions of contract, contract data, forms, terms, technical specifications, bill of quantities, forms, Annexes and drawings in the Bid Document. Failure to comply with the requirements of Bid Documents shall be at the bidder's own risk. **Pursuant to clause 26 hereof**, bids which are not substantially responsive to the requirements of the Bid Documents shall be rejected.

9. Clarification Bidding Documents

- 9.1 A prospective bidder requiring any clarification of the bidding documents may notify the Employer in writing or through E-mail at the Employer's address indicated in the invitation to bid. The Employer will respond to any request for clarification which he received earlier than 15 days prior to the deadline for submission of bids. Employer's response will be published on website including a description of the enquiry but without identifying its source.

9.2. Pre-bid meeting

- 9.2.1. The bidder or his official representative is invited to attend a pre-bid meeting which will take place at the address, venue, time and date as indicated in the appendix.

- 9.2.2. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
- 9.2.3. The bidder shall be required to submit any questions in writing or e-mail to reach the Employer not later than 03 days before the meeting.
- 9.2.4 Minutes of the meeting, including the question raised (Without identifying the source of enquiry) and the responses given will be published without delay on the tender website i.e. www.tender.nprocure.com. Any modification of the bidding documents listed in sub-Clause 8.1 which may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause 10 and not through the minutes of the pre-bid meeting.
- 9.2.5. Non-attendance at the pre-bid meeting will not be a cause for disqualification of a bidder.

10. Amendment of Bidding Documents

- 10.1 Before the deadline for submission of bids, the Employer may modify the bidding documents by issuing addenda.
- 10.2. Any addendum thus issued shall be part of the bidding documents. The Employer will assume no responsibility for the same.
- 10.3. To give prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the Employer may, at his discretion, extend as necessary the deadline for submission of bids, in accordance with Sub-Clause 20.2 below.

C. PREPARATION OF BIDS

11. Language of the Bid

11.1 All documents relating to the bid shall be in the English language.

12. Documents Comprising the Bid

12.1. The bid be submitted by the bidder as Volume V of the bid document (refer Clause 8.1) shall be in two separate parts:

Part I shall be named “Technical Bid” and shall comprise

- (i) Bid Security in the form specified in Section 8
- (ii) Qualification Information and supporting documents as specified in Section 2
- (iii) Certificates, undertakings, affidavits as specified in Section 2
- (iv) Any other information pursuant to Clause 4.5 of these instructions
- (v) Undertaking that the bid shall remain valid for the period specified in Clause 15.1

Part II shall be named “Financial Bid” and shall comprise

- (i) Form of Bid as specified in Section 6
- (ii) Priced Bill of Quantities for items specified in Section 7

12.2. The Bidder shall submit the details / information pertaining to each part i.e. technical as well as financial and must be submitted online only.

12.3. Following documents will be deemed to be part of the bid.

Section	Particulars	Volume No.
	Invitation for Bids (IFB)	
1	Instruction to Bidders	Volume I
3	Conditions of Contract	
4	Contract Data	
5	Specifications	Volume II
9	Drawings	Volume IV

13. Bid Prices

13.1 The Contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Bidder.

13.2 The bidder shall fill in rates and prices and line item total (both in figures and words) for all items of the Works described in the Bill of Quantities along with total bid price

(Both in figures and words). Items for which no rate or price is entered by the bidder will not be paid for by the Bill of Quantities.

13.3 All duties, taxes, and other levies except GST payable by the contractor under the contract, or for any other cause shall be included in the rates, prices and total Bid Price submitted by the Bidder. (GST will be paid extra)

13.4 0.50 % Water charge will be deducted from Contractor RA Bill

13.5 The rates and prices quoted by the bidder are subject to adjustment during the performance of the Contract in accordance with the provisions of Clause 47 of the Condition of Contract **(Irrespective of the time limit and Bid Amount)**

14. Currencies of Bid and Payment

14.1 The unit rates and the prices quoted by the bidder shall be entirely in Indian Rupees. All payments shall be made in Indian Rupees.

15. Bid Validity

15.1 Bids shall remain valid for a period of not less than 120 days after the deadline date for bid submission specified in Clause 20.

15.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the bidders may extend the period of validity for a specified period. A bidder may refuse the request without forfeiting his bid security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his security for a period of the extension, and in compliance with Clause 16 in all respects.

#16. Bid Security

16.1 The Bidder shall furnish, as part of his Bid, a Bid security in the amount as shown in column 4 of the table of IFB for this particular work. This Bid security shall be in favor of Employer as named in Appendix and may be in one of the following forms;

a. F.D.R from any scheduled Indian bank, in the format given in Volume III. **(Bank Guarantee is applicable only for Bid Estimated Amount of 01 Crore and above) and Bank** Guarantee of Schedule and Private Banks shall be considered as per GoG Finance Department's Circular No. FD/MSM/e- file/4/2023/0057/D.M.O. Date 21/04/2023 or as per their latest amendment.

b. Fixed Deposit Receipt issued by any Scheduled Indian Bank or a foreign Bank approved by the Reserve Bank of India.

162. Bank guarantees (and other instruments having fixed validity) issued as surety for the bid shall be valid for 45 days beyond the validity of the bid i.e. total validity of 120+45 = 165 Days
163. Any bid not accompanied by an acceptable Bid Security and not secured as indicated in Sub-Clauses 16.1 and 16.2 above shall be rejected by the Employer as non-responsive.
164. The Bid Security of unsuccessful bidders will be returned within 28 days of the end of the bid validity period specified in Sub-Clause 15.1
- 16.5 The Bid Security of the successful bidder will be discharged when the bidder has signed the Agreement and furnished the required Performance Security
- 16.6. The bid Security may be forfeited
- (a) If the Bidder withdraws the bid after Bid opening during the period of Bid validity.
 - (b) If the Bidder does not accept the correction of the Bid Price, if any or
 - (c) In the case of a successful Bidders, if the Bidder fails the specified time limit to
 - (i) Sign the Agreement; or
 - (ii) Furnish the requirement Performance Security.
 - (d) If found necessary, the bidder will be intimated for negotiation, He will be intimated maximum three times within the validity period for negotiation, If contractor does not respond in time, his Bid Security (EMD) will be forfeited and his tender will be rejected. Punitive action will be taken on such contractors. (As per GoG R&B Dept's Gr. No. S/22/2017/6369/D, Dt.08/06/2018)

17. Alternative Proposals by Bidders.

- 17.1. Bidders shall submit offers that fully comply with the requirements of the bidding documents, including the conditions of contract (including mobilization advance or time for completion), basic technical design as indicated in the drawing and specifications. Conditional offers or alternative offers will not be considered further in the process of tender evaluation.

18. Format and Signing of Bid

- 18.1. The Bidder shall prepare documents comprising the bid as described in Clause 12 of these Instructions to bidder as the "Technical Bid "and "Financial Bid" in separate parts to be uploaded.

D. SUBMISSION OF BIDS

19. Deleted

20. Deadline for Submission of the Bids

- 20.1. Complete Bids must be received online by the Employer at the tender website specified above not later than the date indicated in appendix.
- 20.2. The Employer may extend the deadline for submission of bids by issuing an amendment in accordance with Clause 10, in which case all right and obligation of the Employer and the bidders previously subject to the original deadline will then be subject to the new deadline.

21. Deleted

22. Modification and Withdrawal of Bids

- 22.1. Bidders may modify or withdraw their bids online before the deadline prescribed in Clause 20 or pursuant to Clause 23.
- 22.2. Deleted
- 22.3. No bid shall be modified or withdrawn after the deadline for submission of Bid.
- 22.4. Withdrawal or modification of a bid between the deadline for submission of bids and the expiration of the original period of bid validity specified in Clause 15.1 above or as extended pursuant to Clause 15.2 may result in the forfeiture of the Bid security pursuant to Clause 16.

E. BID OPENING AND EVALUATION

23. Bid Opening

- 23.1 The Employer will open all the Bids received including modifications made pursuant to Clause 22, in the presence of the Bidders or their representatives who choose to attend at time, date and the place specified in Appendix in the manner specified in Clauses 20 and 23.3, In the event of the specified date of Bid opening being declared a holiday for the Employer, the Bids will be opened at the appointed time and location on the next working day.
- 23.2. Deleted.
- 23.3. The “Technical Bid” shall be opened. The amount, form and validity of the bid security furnished with each bid will be announced. If the bid security furnished does not conform to the amount and validity period as specified in the invitation for bid (ref. Column 4 and paragraph 3), and has not been furnished in the form specified in Clause 16, the technical bid will not be opened.
- 23.4. (i) Subject to confirmation of the bid security by the issuing Bank, the bids accompanied with valid bid security will be taken up for evaluation with respect to the Qualification information and other information furnished in part I of the bid pursuant to Clause 12.1.
- (ii) If required, the bidder will be asked in writing to clarify his Qualification Documents with respect to any required clarification.
- (iii) The bidders will respond in not more than 7 days of issue of the clarification letter.
- (iv) Immediately (usually within 3 or 4 days), on receipt of these clarification the Evaluation Committee will finalize the list of responsive bidders whose financial bids are eligible for consideration.
- 23.5. Deleted
- 23.6 At the time of opening of “Financial Bid”, the names of the bidders were found responsive in accordance with Clause 23.4(iv) will be announced. The bids of only these bidders will be opened. The responsive Bidders’ names, the Bid prices, the total amount of each bid, any discount and such other details as the Employer may consider appropriate, will be announced by the Employer at the opening.
- 23.7 the time of opening of “Financial Bid”, the names of the bidders were found responsive in accordance with Clause 23.4(iv) will be announced. The bids of only these bidders will be opened. The responsive Bidders’ names, the Bid prices, the total amount of each bid, any discount, and such other details as the Employer may consider appropriate, will be announced by the Employer at the opening.
- 23.8 In case bids are invited for more than one package, the order for opening of the “Financial Bid” shall be in order of Estimated amount of Bids from highest to lowest.
- 23.9 The Employer shall prepare minutes of the Bid opening, including the information disclosed to those present in accordance with Sub-Clause 23.6.

24 Process to be Confidential

- 24.1 Information relating to the examination, clarification, evaluation, and comparison of Bids and recommendations for the award of a contract shall not be disclosed to Bidders or any other persons not officially concerned with such process until the award to the successful Bidder has been announced. Any effort by Bidder to influence the Employer's processing of Bids or award decisions may result in the rejection of his Bid.

25. Clarification of Financial Bids

- 25.1. To assist in the examination, evaluation, and comparison of Bids, the Employer may, at his discretion, ask any Bidder for clarification of his Bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by e-mail, but no change in the price or substances of the Bid shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Bids.
- 25.2 Subject to sub-clause 25.1, no Bidder shall contact the Employer on any matter relating to his Bid opening to the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Employer, it should do so in writing.
- 25.3. Any effort by the Bidder to influence the Employer in the Employer's bid evaluation, bid comparison or contract award decision may result in the rejection of the Bidders' bid.

26. Examinations of Bids and Determination of Responsiveness

- 26.1 During the detail evaluation of "Technical Bid", the Employer will determine whether each Bid (a) meets the eligibility criteria defined in Clause 3 and 4; (b) has been properly signed; (c) is accompanied by the required securities and; (d) is substantially responsive to the requirements of the Bidding document. During the detailed evaluation of the "Financial Bid", the responsiveness of the bids will be further determined with respect to the remaining bid conditions, i.e., priced bill of quantities, technical specifications, and drawings.
- 26.2 A substantially responsive "Financial Bid" is one which confirms all the terms, conditions and specifications of bidding documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Bidding documents, the Employer's rights or the Bidder's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.
- 26.3 If a "Financial Bid" is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

27. Deleted

28. Deleted

29. Evaluation and Comparison of Financial Bids

- 29.1. The Employer will evaluate and compare only the Bids determined to be substantially responsive in accordance with Sub-Clause 26.2.
- 29.2. Deleted.
- 29.3. The Employer reserves the right to accept or reject any variation or deviation. Variation and deviations and other factors, which are in excess of the requirements of the Bidding documents or otherwise result in unsolicited benefits for the Employer, shall not be taken in to account in Bid evaluation.
- 29.4. The estimated effect of the price adjustment conditions under Clause 47 of the Conditions of Contract, during the period of implementation of the Contract, will not be taken in to account in Bid evaluation.
- 29.5. If the Bid of the successful Bidder is seriously unbalanced in relation to the Engineer's estimate of the cost of work to be performed under the contract the Employer may require the Bidder to produce detailed consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the performance security set forth in Clause 34 be increased at the expense of the successful /bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract.
- 29.6. A bid which contains several items in the bill of Quantities which are unrealistically priced low and which cannot be substantiated satisfactorily by the bidder may be rejected as non-responsive.

30. Deleted

F. AWARD OF CONTRACT

31. Award Criteria

31.1. Subject to Clause 32, the Employer will award the contract to the Bidder whose Bid has been determined.

- (i) to be substantially responsive to the Bidding documents and who has offered the lowest evaluated Bid Price; and
- (ii) to be within the available bid capacity adjusted to account for his bid price which is the lowest evaluation in any of the packages opened earlier than the one consideration.

In no case, the contract shall be awarded to any bidder whose available bid capacity is less than the evaluated bid price, even if the said bid is the lowest evaluated bid. The contract will in such cases be awarded to the next lowest bidder at his evaluation bid price.

32. Employer's Right to Accept any Bid and to Reject any or all Bids

32.1. Notwithstanding Clause 31, the Employer reserves the right to accept or reject any Bid, and to cancel the Bidding process and reject all Bids, at any time prior to the award of contract, without thereby incurring any liability to the affected bidder or Bidder or any obligation to inform the affected Bidder or Bidders of the grounds for the Employer's action.

33. Notification of Award and Signing of Agreement

33.1. The Bidder whose Bid has been accepted will be notified of the award by the Employer prior to expiration of the Bid validity period by cable, telex or facsimile confirmed by registered letter. This letter (hereinafter and in the condition of contract called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

33.2 The notification of award will constitute the formation of the contract, subject only to the furnishing of a performance security in accordance with the provisions of Clause.

33.3. The Agreement will incorporate all agreements between the Employer and the successful Bidder. It will be signed by the Employer and to the successful Bidder, within 28 days following the notification of award along with the Letter of Acceptance. Within 21 days of receipt, the successful Bidder will sign the Agreement and deliver it to the Employer.

33.4. Upon the furnishing by the successful Bidder of the Performance Security, the Employer will promptly notify the other Bidders that their Bids have been unsuccessful.

34. Performance Security

34.1. (A) Within 10 (Ten) days of receipt of Letter of Acceptance, the successful Bidder shall furnish to the Employer an irrevocable and unconditional guarantee from a Bank in the form set forth in Section 8 (the "Performance Security") for an amount equal to 5% (five percent) of its Contract Price. In case of bids mentioned below, the successful Bidder, along with the Performance Security,

shall also furnish to the Authority an irrevocable and unconditional guarantee from a Bank in the same form given at Section 8 towards an Additional Performance Security (The "Additional Performance Security") for an amount calculated as under:

- (a) If the Contract Price offered by the Selected Bidder is lower than 10% but upto 20% of the Estimated Project Cost, then the Additional Performance Security shall be calculated @ 20% of the difference in the (i) Estimated Project Cost (as mentioned in Bid Document) - Minus 10% of the Estimated Project Cost and (ii) Contract Price offered by the selected Bidder.
 - (b) If the Contract Price offered by the Selected Bidder is lower than 20% of the Estimated Project Cost, then the Additional Performance Security shall be calculated @ 30% of the difference in the (i) Estimated Project Cost (as mentioned in Bid Document) - Minus 10% of the Estimated Project Cost and (ii) Contract Price offered by the selected Bidder.
 - (c) This Additional Performance Security shall be treated as part of the Performance Security.
- (B) The Performance Security shall be valid beyond 60(sixty) days of the Defects Liability Period and the Additional Performance Security shall be valid beyond 28 (twenty-eight) days of Project Completion Date.

- 34.2. If the performance security is provided by the successful Bidder in the form of a Bank Guarantee, it shall be issued either (a) at the Bidder's option, by a Nationalized/Scheduled Indian bank or (b) by a foreign bank located in India and acceptable to the Employer. As per GoG Finance Department's Circular No. FD/MSM/e-file/4/2023/0057/D.M.O. Date 21/04/2023 or as per their latest amendment.
- 34.3. Failure of the successful Bidder to comply with the requirement of Sub-Clause 34.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Bid Security.

~~35. Advance Payment and Security~~

- 35.1 ~~The Employer will provide an Advance payment on the Contract Price as stipulated in the Conditions of Contract, subject to maximum amount, as stated in the Contract Data.~~

36. Deleted

37. Corrupt or Fraudulent Practices

- 37.1 The Employer will reject a proposal if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in completing for the contract in question and will declare the firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract with National Highways Authority of India/ State PWD and any other agencies, if it at any time determines that the firm has engaged in corrupt or fraudulent practices in completing for the contractor, or in execution.
- 37.2 Furthermore, Bidders shall be aware of the provision stated in Sub- Clause 59.2 of the Conditions of Contract.

APPENDIX TO ITB

Clause Reference

With respect to Section –I

1. The Name of the Employer is APMC UNJHA [Cl.1.1]
2. The last five years.
2022 – 2023
2021 – 2022
2020 – 2021
2019 – 2020
2018 – 2019
3. This Annual Financial Turnover Amount is Rs. 3139.00 Lacs [Cl.4.5.3 (a)]
4. Value of Work is Rs. 62,77,89,022.10
5. The cost of electric work is Rs.2,14,61,388.00
6. The cost of water supply / sanitary works is Rs. 5,31,79,070.00
7. Liquid assets and / or availability of credit facilities is Rs. 156946800.00 [Cl.4.5.6]
8. Price level of the financial year 2023-2024 [Cl. 4.5.2]
9. The pre-bid meeting will take place at APMC Unjha. [Cl. 9.2.1]
10. The technical Bid will be opened at the office of the APMC Unjha on dt. 11/05/2024 12.30 PM
11. Address of the Employer: APMC unjha
12. The bid should be submitted latest by 29/04/2024 upto 18.00 Hrs [Cl. 20.1 & 20.2]
13. The bid will be opened at APMC Unjha on online 11/05/2024 at 12.30 Hrs [Cl. 23.1]
14. The Bank Draft in favor of APMC Unjha
15. Escalation factors (for the cost of works executed and financial figure to a common base value) for works completed [Cl.4.5.2]

<u>Year</u>	<u>Financial Year</u>	<u>Multiplying factor</u>
Base year of inviting tender	2023-2024	1.00
-1	2022-2023	1.10
-2	2021-2022	1.21
-3	2020-2021	1.33
-4	2019-2020	1.46
-5	2018-2019	1.61

LIST OF KEY PLANT & EQUIPMENT TO BE DEPLOYED ON CONTRACT WORK

[Reference CL. 4.5.5]

The contractors shall also give a list of machineries in his possession and which they propose to use on the work. (If Necessary)

Sr. No.	Plant or Machinery	Location	Age of Machinery (maximum 15 years)	Make	Capacity	Approximate Value	Remark
1	2(a)	2(b)	3	4	5	6	7
1	Concrete Mixture Machine		Not more than 5 years				4 No
2	Weigh Batch Having 15 Cu.M./ Hours Capacity		Not more than 5 years				1 No
3	J.C.B Excavator		Not more than 5 years				4 No
4	Goods cum lift for minimum capacity of 300 Kg.		Not more than 5 years				5 No
5	Shuttering (Steel formwork)		Not more than 5 years				500 Sq.M
6	Steel props (with accessories)		Not more than 5 years				1000 Nos
7	Extended span or beams with accessories		Not more than 5 years				1000 Nos
8	Vibrator (Needle) and Surface Vibrator		Not more than 5 years				8 Nos. (4 Each)
9	Water Tanker		Not more than 5 years				4 No
10	Trucks / Dumpers with capacity not less than 10 Cum		Not more than 5 years				10 No
11	Pump and Motor		Not more than 5 years				2 Set
12	Generator		Not more than 5 years				2 No.
13	Concrete batching* mixing plant (Minimum Capacity -15m ³ /Hour		Not more than 5 years				2 No.
14	Road roller		Not more than 5 years				2 No

List of Key Personnel to be deployed on Contract Work

(Reference Cl. 4.5.4)

Employment of a qualified site Engineer by the Contractor.

The Contractor shall employ full-time technically qualified staff during the execution of this work as under: -

1. Two graduate Civil Engineers and three diploma Civil Engineers when cost of the work to be executed is more than Rs.50 lakhs.
2. One graduate & two Diploma, Civil Engineers when the cost of the work to be executed is more than Rs.15 lakhs but less than Rs.50 lakhs.
3. Minimum one Diploma Civil Engineer when the cost of work is less than Rs.15 lakhs but more than Rs.5 lakhs.
4. Minimum two Diploma Civil Engineers for the work when the cost of work to be executed is less than Rs. 5 lakhs. The Engineer so employed for the Government work must have sufficient experience to handle the work independently. Such an Engineer shall have to stay at the site of work and he shall not be entrusted with other duty except this work.

In case the contractor or partner of the contractor firm is a Civil Graduate Engineer, Employment of a separate Engineer will not be necessary provided that the Engineer partner himself attends the execution of the work on the site.

Within 15 days of issue of work-order the Contractor will have to furnish to the Deputy Executive Engineer-in-charge of the work the Name, Qualifications, copy of marksheet, Colour Photograph and the appointment order issued such engineers engaged for this contract work. If 15 days after issue of work order such designated Site Engineers do not resume or do not remain present on site of work, the recovery at the rate of Rs.15,000-00 per month per Engineer will be made from the bills/deposit/dues of the contractor. Such recovery shall be non-refundable.

Position	Nos. of personal required	Qualification	Year of Experience (General)	Year of experience in the proposed position
Project Manager B E Civil	1	B E Civil	10 Years	
Site Engineer	2	B E Civil	5 years	
Plant Engineer	1	B.E. Mech / Diploma Mech.	5 Years	
Quantity Surveyor	2	B.E. Civil /Diploma Civil	5Years	
Material& Quality Control Engineer	2	B.E. Civil /Diploma Civil	5 Years	
Survey Engineer	1	Diploma Civil	2 to 5 Years	
Number of Unskilled employees				
Please indicate whether design, wherever required as per conditions of bid, will be carried out in house or with the help of consultants. If in house, please indicate the details of designs carried out over the last few years. If to be done by back - up				

consultants please give the data such as name of company, key personal and professional qualification, present position, total experience number of engineering staff under each category of specification and details of work executed.				
<p>(1) In case of personal, at Sr. No. 1 to 3 please give name, qualification present position, professional experience and linguistic ability.</p> <p>(2) The certified copy of degree / diploma engineers, qualification with an affidavit on stamp paper stating their appointment in the firm shall have to be attached with this schedule.</p> <p>(3) The above information shall be supported with necessary documents otherwise the same shall be treated as null & void.</p>				

SECTION - 2

QUALIFICATION INFORMATION

QUALIFICATION INFORMATION

The information to be filled in by the Bidder in the following pages will be used for the purpose of post qualification as provided for in Clause 4 of the Instruction to Bidders. This information will not be incorporated in the Contract.

1. For Individual Bidders

1.1 Constitution or legal status of Bidder (Attach Copy)

Place of registration _____

Principal place of business _____

Power of attorney of signatory of Bid
(Attach)

1.2	Total value of Civil engineering constructions	2022-2023
	Work performed in the last five years	2021-2022
	(in Rs. Lakhs)	2020-2021
		2019-2020
		2018-2019

1.3.1 Work performed as prime contractor, work performed in the past as a nominated sub-contractor will also be considered the sub-contract involved execution of all main items of work described in the bid documents, provided further that all other qualification criteria are satisfied (in the same name) on works of a similar nature over the last five years** and in current year before the submission of the bid.

[illegible]

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

** Immediately preceding the financial year in which bids are received.

1.3.2 Quantities of work executed as prime contractor, work performed, in the past as a nominated sub-contractor, will also be considered provided the sub-contract involved execution of all main items of work described in the bid document, provided, further that all other qualification criteria are called (in the same name and style) in the last five years** and in current year before the submission of the bid.

Year	Name of the work	Name of the Employer	Quantity of work performed (Cum/MT/Sq.M/No)							Remarks* (indicate contract Ref)
			Cement Concrete (Including RCC & PCC)	Masonry	Earth Works	Steel work for RCC	Electric work	Plaster work all thickness	Vitrified tile/ Kotah stone	
2022 – 2023										
2021 – 2022										
2020 – 2021										
2019 – 2020										
2018 – 2019										

1.4 Information on Bid Capacity (works for which bids have been submitted and works which are yet to be completed) as on the date of this bid.

(A) Existing commitments and on-going works:

Description of works	Place & State	Contract No.	Name & Address of Employer	Value Contract (Rs. Cr)	Stipulated Period of Completion	Value of Works* remaining to be completed (Rs. Cr)	Anticipated of completion
1	2	3	4	5	6	7	8

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

** Immediately preceding the financial year in which bids are received.

1.5 Availability of key items of Contractors Equipment for carrying out the works (Ref. Clause 4.5.5). The Bidder should list all the information requested below.

Item of Equipment	Requirement		Availability Proposals			Remarks (from whom to be purchased)
	NO	Capacity	Owned/ Leased to be procured	Nos/. Capacity	Age/ Conditions	

- 1.6 Qualifications and experience of key personnel required for administration and execution of the contract. Attach biographical data. Refer also to Sub Clause 9.1 of the Conditions of Contract.

Position	Name	Qualification	Year of Experience (General)	Year of experience in the proposed position
Project Manager				
Etc.				

- 1.7 Proposed sub-contract and firms involved

Sections of the works	Value of Sub-Contractor	Sub-Contractor (Name & Address)	Experience in similar work

Attach copies of certificates on possession of valid license for executing water supply/ sanitary work/ building electrification works.

- 1.8 Financial reports for the last five years: balance sheets, profit and loss statements, auditors' reports (in case of companies/corporations), etc. List them below and attach copies.
- 1.9 Evidence of access to financial resources to meet the qualification requirements: cash in hand, lines of credit, etc. List them below and attach copied documents.
- 1.10 Name, address, and telephone, telex, and fax numbers of the Bidders bankers who may provide references if contacted by the Employer.
- 1.11 Information on Litigation history in which the Bidder is involved.

Other Party (ies)	Employer	Cause of Dispute	Amount Involved	Remarks showing Present Status

- 1.12. Statement of compliance under the requirements of Sub Clause 3.2 of the instruction to Bidders. (Name of Consultant engaged for project preparations is *)

- 1.13 Proposed work method and schedule. The Bidder should attach descriptions, drawings and charts as necessary to comply with the requirements of the Bidding documents. (Refer ITB Clause 4.1)

- 1.14 Programme

2. Deleted

3. Additional Requirements

- 3.1 Bidders should provide any additional information required to fulfill the requirements of Clause 4 of the Instructions to the Bidders, if applicable.

- (i) Affidavit
- (ii) Undertaking

* Fill the name of Consultant

**SAMPLE FORMAT FOR EVIDENCE OF ACCESS TO OR
AVAILABILITY OF CREDIT FACILITIES**

(CLAUSE 4.5.6 OF ITB)

BANK CERTIFICATE

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

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

(Signature)
Name of Bank
Senior Bank Manager-
Address of the Bank

AFFIDAVIT

1. I, the undersigned, do hereby certify that all the statements made in the required attachments are true and correct.
2. The undersigned also hereby certifies that neither our firm M/s. _____
_____ have not abandoned any work of Government of Gujarat/Government of India/any Board or Corporation under Government of Gujarat/Government of India nor any contract awarded to us for such works have been rescinded, during last five years prior to the date of this bid.
3. The undersigned hereby authorize(s) and request (s) any bank, person, firm or corporation to furnish pertinent information deemed necessary and requested by the Department to verify this statement or regarding any (our) competence and general reputation.
4. The Undersigned understands and agrees that further qualifying information may be requested, and agrees to furnish any such information at the request of the Department/ Project implementing agency.

(Signed by an Authorized Officer of the Firm)

Title of Officer

Name of Firm

Date

UNDERTAKING

I, the undersigned do hereby undertake that our firm M/s..... would invest a minimum cash up to 25% of the value of the work during implementation of the contract.

(Signed by an Authorized officer of the firm)

Title of officer

Name of firm

DATE

SECTION - 3

CONDITIONS OF CONTRACT

Conditions of Contract

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CONDITIONS OF CONTRACT

A. GENERAL.

1. Definitions

- 1.1 Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their defined meaning.

Bill of Quantities means the priced and completed Bill of Quantities forming part of the Bid

Compensation Events are those defined in Clause 44 hereunder

The **Completion Date** is the date of completion of the Works as certified by the Engineer in accordance with Sub Clause 55.1

The Contract is the contract between the Employer and Contractor to execute, complete and maintain the Works **till the completion of Defects Liability Period**. It consists of the documents listed in Clause 2.3 below.

The **Contract data** defines the documents and other information which comprise the Contract.

The **Contractor** is a person or corporate body whose Bid to carry out the Work has been accepted by the Employer.

The **Contractor's Bid** is the completed Bidding document submitted by the Contractor to the Employer and includes Technical and Financial Bids.

The **Contract Price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

Days are calendar days; **months** are calendar months.

The **Defects Liability Period** is the period named in the Contract Data and calculated from the Completion Date.

The **Employer** is the party who will employ the Contractor to carry out the Works.

The Engineer is the person named in the Contract Data (or any other competent person appointed and notified to the contractor to act in replacement of the Engineer) who is responsible for supervising the Contractor, administering the Contract, certifying payments due to the Contractor, issuing and valuing Variations to the Contract, awarding extensions of time, and valuing the Compensations Events.

Equipment is Contractor's machinery and vehicles brought temporarily to the site to construct the Works.

The **Initial Contract Price** is the Contract Price listed in the Employer's Letter of Acceptance.

The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Engineer by issuing an extension of time.

Materials are all supplies, including consumables, used by the contractor for incorporation in the works.

Plant is any integral part of the work which is to have mechanical, electrical, electronic or chemical or biological functions.

The **Site** is the area defined as such in the Contract Data.

Site Investigation Reports are those which were included in the Bidding documents and are factual interpretive reports about the surface and subsurface conditions at the site.

Specifications means the Specifications of the works included in the Contract and any modification or addition made or approved by the Engineer.

The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site Possession Dates.

A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.

Temporary Works are works designed, constructed, installed, and removed by the Contractor which are needed for construction or installation of the Works.

A **Variation** is an instruction given by the Engineer, which varies the Works.

The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

2. Interpretation

- 2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter and the other way around. Heading have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Engineer will provide instructions clarifying queries about Conditions of Contract.
- 2.2 If sectional completion is specified in the Contract Data, references in the Conditions of Contract to the Works, the Completion date, and Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion date for the whole works)
- 2.3 The documents forming the Contract shall be interpreted in the following order of priority
 - (1) Agreement
 - (2) Letter of Acceptance, notice to proceed with works
 - (3) Contractor's Bid

- (4) Contract Data
- (5) Conditions of Contract including Conditions of Contract
- (6) Specifications
- (7) Drawings
- (8) Bills of quantities and
- (9) Any other document listed in the Contract Data as forming part of the Contract.

3. Language and Law

- 3.1 The language of the Contract and the law governing the Contract are stated in the Contract Data.

4. Engineers Decisions

- 4.1 Except where otherwise specifically stated, the Engineer will decide contractual matters between the Employer and the Contractor in the role representing the Employer.

5. Delegation

- 5.1 The Engineer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

6. Communications

- 6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

7. Sub-Contracting

- 7.1 The Contractor may subcontract any portion of work, up to a limit specified in contract data, with the approval of the engineer but may not assign the Contract without the approval of the Employer in writing. Subcontracting shall not alter the Contractor's obligations. **Sub-contracting of supply or specific items of work is not allowed.**
- 7.2 The sub-contractor must be registered in appropriate class and category for the part of work to be subcontracted.

8. Other Contractors

- 8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities and the Employer between the dates given in the Schedule of other Contractor. The Contractors shall as refer to in the Contract Data, also provide facilities and services for them as described in the Schedule. The employer may modify the schedule of other contractors and shall notify the contractor of any such modifications.

9. Personnel

- 9.1 The Contractor shall employ the key personnel named in the Schedule of Key Personnel as referred to in the Contract Data to carry out the functions stated in the Schedule or other personnel approved by the Engineer. The Engineer will approve any proposed replacement of key personnel only if their qualifications, abilities, and relevant experience are substantially equal to or better than those of the personnel listed in the Schedule.

- 92 If the engineer asks the Contractor to remove a person who is a member of the Contractor Staff or his work force stating the reasons the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

10. Employer's and Contractors Risks

- 10.1 The Employer carries the risk which these Contract states are Employer's risks, and the Contractor carries the risks which these Contracts states are Contractors risk.

11. Employer's Risks

- 11.1 The employer is responsible for the excepted risks which are (a) in so far as they directly affect the execution of the Works, the risks of war, hostilities, invasion, act of foreign enemies, rebellion, revolution, insurrection or military or usurped power, civil war, riot commotion or disorder (unless restricted to the Contractor's employees), and contamination from any nuclear fuel or nuclear waste or radioactive toxic explosive.

12. Contractor's Risks

- 12.1 All risks of loss of or damages to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

13. Insurance

- 13.1 The Contractor shall provide, in the joint names of the Employer and the Contractor, insurance cover from the Start date to the end of the Defects Liability Period, in the amounts and deductibles stated in the Contract data for the following events which are due to the Contractor's risks:

(a) Loss of or damage to the works, Plant and materials,

(b) Loss of or damage to Equipment

(c) Loss of or damages of property (except the Works, Plant, Materials and Equipment) in connection with the Contract; and

(d) Personal injury or death.

- 13.2 Policies and certificates for insurance shall be delivered by the Contractor to the Engineer for the Engineer's approval before the Start Date. All such insurance shall provide for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.

- 13.3 If the Contractor does not provide any of the policies and certificates required, the Employer may affect the insurance which the Contractor should have provided and recover the premiums the Employer has paid from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.

- 13.4 Alterations to the terms of an insurance shall not be made without the approval of the Engineer.

- 13.5 Both parties shall comply with any conditions of the insurance policies.

14. Site Investigation Report

14.1 The Contractor in preparing the Bid shall rely on any site Investigation reports referred to in the Contract Data, supplemented by any information available to the Bidder.

15. Queries about the Contract data

15.1 The engineer will clarify queries on the Contract Data

16. Contractor to Construct the Works

16.1 The Contractor shall construct and install the works in accordance with the specification and Drawings.

17. The Works to be completed by the Intended Completion Date

17.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the programme submitted by the Contractor, as updated with the approval of the Engineer, and complete them by the Intended Completion date

18. Approval by the Engineer

18.1 The Contractor shall submit Specifications and Drawings showing the proposed Temporary works to the Engineer, who is to approve them if they comply with the Specifications and drawings.

18.2 The Contractor shall be responsible for design of temporary works.

18.3 The Engineer's approval shall not alter the contractor responsibility for design of the Temporary works.

18.4 The Contractor shall obtain approval of third parties to the design of the Temporary works where required.

18.5 All Drawings prepared by the Contractors for the execution of the temporary or permanent work are subject to prior approval by the Engineer before their use.

19. Safety

19.1 The Contractor shall be responsible for the safety of all activities on the Site.

20. Discoveries

20.1 Anything of historical or other interest or of significant value unexpectedly discovered on the site is the property of the Employer. The contractor is to notify the engineer of such discoveries and carry out the Engineer's instructions for dealing with them.

21. Possession of the Site

21.1 The Employer shall give possession of all parts of the site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be a Compensation Event.

21.2 If within 25% of the time limit of the project, 80% of possession of the site is not handed over to the Contractor, then contractor/ Employer may fore-close the contract. Contractor/Employer has to foreclose the work within 30 days after lapse of 25%-time limit and after 30 days foreclosure option will be closed.

22. Access to the Site

22.1 The Contractor shall allow the Engineer and any person authorized by the Engineer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plants are being manufactured/ fabricated/ assembled for the works.

23. Instructions

23.1 The Contractor shall carry out all instructions of the Engineer pertaining to works which comply with the applicable laws where the site is located.

23.2 The Contractor shall permit the Employer to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors appointed by the Employer, if so required by the Employer.

24. Disputes

24.1 If the Contractor is of the view that a decision taken by the Engineer was either outside the authority given to the Engineer by the Contract or that the decision was wrongly taken, the decision shall be referred to Chairman APMC Unjha (Higher Authority) within 14 days of the notification of the Engineer's decision. If the issue is not resolved, any party can refer the matter for conciliation within 15 days from the decision given by the #Superintending Engineer.

24.2

(a) For the work up to Rs.100 Cr., if any of the parties is not satisfied with the decision of the Chairman APMC Unjha, both the parties have to refer to the APMC committee Unjha concern for the conciliation process.

(b) For the work more than Rs.100 Cr., if any of the parties is not satisfied with the decision of the Chairman APMC Unjha, both the parties have to refer to the APMC committee Unjha, for the conciliation process.

If the dispute is not resolved through the conciliation process, he may refer the dispute to Gujarat Public Works Contract Dispute Arbitration Tribunal. If the Contractor fails to refer a claim / dispute to the Higher Authority within 14 days of the notification of the Engineer's decision, the Contractor shall not be entitled to any additional payment/claim if he doesn't follow the above sequence in stipulated time and he should not stop the work.

25. Procedure for Disputes

25.1 The arbitration shall be conducted in accordance with the arbitration procedure stated in the Special Conditions of Contract.

B. TIME CONTROL

26. Programme

- 27.1 Within the time stated in the Contract Data the Contractor shall submit to the Engineer for approval a Programme showing the general methods, arrangements orders, and timing for all the activities in the works along with monthly cash flow forecast.
- 27.2 An update of the Programme shall be a programme showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work including any changes to the sequence of the activities.
- 27.3 The Contractor shall submit to the Engineer, for approval an updated programme at intervals no longer than the period stated in the Contract data. If the Contractor does not submit an updated programme within this period, the Engineer may withhold the amount stated in the Contract data from the next payment after the date on which the overdue programme has been submitted.
- 27.4 The Engineer's approval of the programme shall not alter the Contractor's obligations. The Contractor may revise the programme and submit it to the Engineer again at any time. A revised programme is to show the effect of Variations and Compensations events.

27. Extension of the Intended Completion Date

- 28.1 The Engineer shall extend the Intended Completion Date if a compensation Event occurs or a Variation is issued which makes it impossible for completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining work and which would cause the Contractor to incur additional cost.
- 28.2 The Engineer shall decide whether and by how much to extend the Intended Completion Date within 35 days of the Contractor asking the Engineer for a decision upon the effect of a compensation event or Variation and submitting full supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the new Intended Completion Date.
- 28.3 The Engineer shall within 14 days of receiving full justification from the contractor for extension of Intended Completion Date refer to the Employer his decision. The employer shall in not more than 21 days communicate to the engineer the acceptance or otherwise of the Engineer's decision. If the employer fails to give his acceptance, the Engineer shall not grant the extension and the contractor may refer the matter under Clause 24.1

28. Deleted

29. Delays Ordered by the Engineer

- 30.1 The Engineer may instruct the Contractor to delay the start or progress of any activity within the works.

30. Management Meetings

- 31.1 Either the Engineer or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.
- 31.2 The Engineer shall record the business of management meetings and is to provide copies of his record to those attending the meeting and to the Employer. The responsibility of the parties for actions to be taken is to be decided by the Engineer either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.

31. Early Warning

- 32.1 The Contractor is to warn the Engineer at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the work, increase the Contract price or delay the execution of works. The Engineer may require the contractor to provide an estimate of the expected effect of the future event or circumstance on the contract price and completion date. The estimate is to be provided by the Contractor as soon as reasonably possible.
- 32.2 The Contractor shall cooperate with the Engineer in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the work and in carrying out any resulting instruction of the Engineer.

33. Identifying Defects/ Defect liability period

33.1 : Defect liability period : The contractor shall be responsible to make good and remedy at his own expense any defect which may develop or may be noticed before the period mentioned hereunder from the certified date of completion. The Engineer in charge shall give the contractor a notice in writing about the defects and the contractor shall make good the same within 15 days of receipt of the notice. In the case of failure on the part of the contractor, the Engineer-in-charge may rectify or remove or re-execute the work at the risk & cost of the contractor. The Engineer-in-charge shall be entitled to appropriate the whole or any part of the amount of security deposit towards the expenses, if any, Incurred by him in rectification, removal or re-execution. The Defects Liability period shall be as under....

- (a) For all works costing up to Rs. 50,000 (amount put to tender), the period shall be 3 Months from the certified date of completion.
- (b) For all works costing more than Rs. 50,000 and up to Rs. 1 crore (amount put tender), the period shall be 12 (Twelve) months from the certified date of completion or one monsoon, whichever is later.
- (c) For major projects costing more than Rs. 1 crore, the period shall be 36 Months from the certified date of completion which should include three monsoons.
- (d) For original building works the defect liability period will be 4 years or elapse of 4 monsoon period following date of possession of building taken over by user agency following the certified date of completion, whichever is later. For the purpose of deciding the monsoon period, the 30th September shall be treated as the last date.

Modified vide R & B D Circular No. PAC-11-102008-2076-N dated 31/8/2009, PRCH/102013(2976) 2759-N, Dated 27/05/2013 and Circular No.TNC/10/2016/Clause 17A (Correction/(1)C Dated 12/05/2016]

33.2 Free maintenance guarantee period for works of Road/Bridge construction

- (a) For resurfacing work of road free maintenance guarantee period one year from the date of completion.
- (b) In case of widening of the road/strengthening of the road/bridge, the contractor shall have to give four years free maintenance guarantee from the certified date of completion. During this period the contractor shall visit the site every six months along with the concerned APMC Panel Engineer / In Charge APMC Engineer and will examine the work already carried out in this contract like road work, jungle cutting, side shoulders, side gutter, road furniture, patta etc. and will prepare Km. wise inspection report duly signed by all concerned and any defect observed shall be done within 15 days by the contractor at his risk and cost as per the direction of Engineer in charge. The contractor needs to do videography of these visits and require to submit at the time of release of FMG. If B.T. the surface during the maintenance period of 4 years is worn out then agency shall have to provide renewal coating as per tender item as directed by the Engineer-in- charge. The amount equivalent to 5% of each running bill shall be withheld and will be released after the free maintenance guarantee period (i.e. 4 years) is over.

However, this amount shall be released against fixed deposit or bank guarantee pledged in the name of Executive Engineer after completion certificate of work is issued.

(1) The flakiness and elongation index (combined) for coarse aggregates under no circumstances shall exceed the allowable limit set forth in the relevant clause for the material in question.

(2) 2% of the amount eligible for the payment of bituminous items shall be withheld till the miscellaneous items like earthwork in embankment / cutting for side shoulders, side gutters, kilometer / indicator / guard stones, sign boards etc. are completed in all respect by the contractor. After completion of the miscellaneous items, the above said 2% withheld amount shall be released.

(Govt. of Gujarat's G.R. No.: TNC-10-2013-3(Part-3)/C, Dtd. 13/12/2013).

(3) Videography for the surface under Maintenance Guarantee is to be done as per Govt. letter No.: SSR/10/2015-16/26/C, Dtd. 26/11/15 for the work costing more than Rs. 5.00 Crore.

(4) Setting up of adequate laboratory & deployment of quality engineers.

The contractor shall have to set up the laboratory with adequate equipment. Till the setting up of adequate laboratory is completed & reported of this to the engineer (subject to due verification by engineer's representative) by contractor in writing, Rs.2,00,000/- shall be withheld. The qualified quality Engineer shall be deployed exclusively for this contract by the contractors. If quality Engineer is not deployed by contractor within one month after the date of work order, the amount equivalent to Rs.20,000 per month shall be recovered till the actual deployment of quality engineer. The amount so recovered towards the deployment of quality engineers shall not be refunded.

(5) Asphalt work will have to be cross checked as per G.R. No.: RGN/60/2006/35/C, dtd.31/05/07 before final bill is paid.

(6) Maintenance during Construction Period

During the Construction Period, the Contractor shall maintain, at his own risk and cost, the existing lane(s) of the road so that the traffic worthiness and safety thereof are at no time materially inferior as compared to their condition 10 (ten) days prior to the date of the Agreement, and shall undertake the necessary repair and maintenance works for this purpose; provided that the Contractor may, at his cost, interrupt and divert the flow of traffic if such interruption and diversion is necessary for the efficient progress of works and conforms to Good Industry Practice; provided

further that such interruption and diversion shall be undertaken by the Contractor only with the prior written approval of the Executive Engineer which approval shall not be unreasonably withheld. For the avoidance of doubt, it is agreed that the Contractor shall at all times be responsible for ensuring safe operation of the road.

- 33.3 The Engineer shall check the Contractor's work and notify the Contractor of any defects that are found. Such checking shall not affect the Contractor's responsibilities the Engineer may instruct the Contractor to search for a Defect and to uncover and test any work that the Engineer considers may have a Defect.

34. Tests

- 34.1 If the engineer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no defect the test shall be a Compensation Event.
- 34.2 1% of the amount of **work done** should be deducted from R.A. Bill of the contractor for testing the quality of material workmanship, irrespective of actual charges.
- 34.3 Agency has to establish testing laboratory on site for the various test to be carried out in the work for this purpose agency shall construct a pukka laboratory building with all facility on site at location specified by the engineer in charge.

35. Correction of defects

- 35.1 The engineer shall give notice to the Contractor of any defects before the end of the defects Liability Period, which begins at Completion and is defined in the contract data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.
- 35.2 Every time notice of a Defect is given, the Contractor shall correct the notified defect within the length of time specified by the Engineer's notice.

36. Uncorrected Defects

- 36.1 If the Contractor has not corrected a defect within the time specified in the Engineer's notice, the Engineer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

D. COST CONTROL

37. Bill of Quantities

- 37.1 The bill of Quantities shall contain items for the constructions, installation, testing and commissioning work to be done by the Contractor.
- 37.2 The bill of Quantities is used to calculate the Contract price. The Contractor is paid for the quantity of the work done at the rate in the Bill of Quantities for each item.

38. Change in the Quantities

- 38.1 The Engineer shall have power to make any alterations in or addition to the original specifications , drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work and the contractor shall be bound to carry out the work in accordance with any instruction in this connection which may be given to him in writing signed by the Engineer and such alteration shall not invalidate the contract and any additional work which the contractor may be directed to do in the manner above specified as part of the work shall be carried out by the contractor on the same conditions in all respects on which he agreed to do the main work and at the same rate as are specified in the tender for the main work.

Except that when the quantity of any item exceeds the quantity as in the tender by more than the contractor will be paid for the quantity in excess of at the rate entered in the SOR of the year during which the excess in quantity is first executed or estimated rate whichever is less.

39. Variations

- 39.1 All Variations shall be included in updated programmes produced by the Contractor.

40. Payments for Variations

- 40.1 If the additional or altered work includes any class of work for which no rate is specified in this contract, then such class of work shall be carried out as under.

- (i) At the rate derived from the item within the contract which is comparable to the one involving additional or altered class of work; where there are more than one comparable items, the item of the contract which is nearest in comparison with regard to class or classes of the work involved shall be selected and the decision of the Superintending Engineer as to the nearest comparable item shall be final and binding on the contractor.
- (ii) If the rate cannot be derived in accordance with (i) above, such class of works shall be carried out at the rate entered in the Schedule of Rates of the division

for the year in which the tender was received, increased or decreased by the percentage by which the tender amount is more or less as compared to the amount arrived at the rates in the "Schedule of Rates" of the Division in the year in which the tender was received. If the Schedule of rates of the Division does not contain all the items, the percentage increase or decrease of the tender shall be calculated considering such items which were included in the "Scheduled Rates" of the division for the year and for materials consumed on such item the rate to be charged would be the basic rate taken into account for fixing the rate in S.O.R. referred to above.

- (iii) If it is not possible to arrive at the rate from (i) and (ii) above, such class of work shall be carried out at the rate decided by the competent authorities on the basis of detailed rate analysis after hearing the contractor before a Committee of two Panel Engineer of APMC Unjha stationed at the same place or the nearest place.
- 402 If the additional or altered work, for which no rate is entered in the "Schedule of Rates" of the Division is ordered to be carried out before the rate is agreed upon, then the contractor shall within seven days of the date of receipt by him of the order to carry out the work, inform the Engineer-in-charge of the rate, which it is his intention to charge for such class of work and if the Engineer in charge does not agree to this rates, he shall by notice in writing be at liberty to cancel his order to carry out such class of work and arrange to carry it out in such manner as he may consider it advisable, provided always that if the contractor shall commence work or incur any expenditure in regard thereof before the rates shall have been determined as lastly herein before mentioned, then in such cases he shall only be entitled to be paid in respect of the work carried out or expenditure incurred by him prior to the date of the determination of the rate as aforesaid according to such rate or rates as shall be fixed by the Engineer-in-charge. In the event of the dispute, the decision of the Superintending Engineer of the Circle shall be final.

Where, however, the work is to be executed according to the designs, drawings and specifications recommended by the contractor and accepted by the competent authority, the alternation above referred to shall be within the scope of such designs, drawings and specifications appended to the tenders.

The time limit for the completion of the work shall be extended in the proportion that the increase in the cost occasioned by alterations bears to the cost of the original work and the certificate of the Engineer-in-charge as to such proportion shall be final and conclusive.

41. Cash Flow Forecasts

- 41.1 When the programme is updated, the contractor is to provide the engineer with an updated cash flow forecast.

42. Payment certificates.

- 421 The Contractor shall submit to the Engineer monthly statements of the estimated value of the work completed less the cumulative amount certified previously.
- 422 The Engineer shall check the Contractor's monthly statement within 14 days and certify the amount to be paid to the Contractor after taking in to account any credit or debit for the month in question in respect of materials for the works in the relevant amounts and under conditions set forth in sub-clause 32.3 of the Contract Data (secured Advance).
- 423 The value of work executed shall be determined by the Engineer.
- 424 The value of work executed shall comprise the value of the quantities of the items in the Bill of Quantities completed.
- 425 The value of work executed shall include the valuation of variations and compensation events.
- 426 The Engineer may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information

43. Payments

- 431 Payments shall be adjusted for deductions for advance payments, retention, other recoveries in terms of the contract and taxes at source, as applicable under the law. The Employer shall pay the Contractor the amounts certified by the Engineer within 28 days of the date of each certificate.
- 432 Payment of GST (prevailing rates) on the amount payable under the contract to the Contractor will be made by the Employer. Hence, it is the responsibility of the contractor to pay the GST to the concerned Authority.
- 433 Items of the works for which no rate or price has been entered in will not be paid by the Employer and shall be deemed covered by other rates and prices in the Contract.

44. Compensation events

- 441 The following are compensation Events unless they are caused by the Contractor:
- (a) The Employer does not give access to a part of the Site by the site Possession date stated in Contract data to the Contractor
- ~~442 In case of compensation event occurs and it prevents the work being completed beyond the Intended Completion Date then Authority will approve EOT with eligible contractual price escalation.~~

45. Tax

- 45.1 The rates quoted by the Contractor must be inclusive of all taxes prevailing on due date of bid submission except GST. However, any subsequent changes in the tax structure by Government after due date of bid submission will be compensated (+/-) on availability or submission of actual documentation. Contractor will have to intimate Engineer regarding changes occurred in the tax structure after bid submission. If the contractor fails to provide such information and if any financial obligation may arise due to change in tax structure, same will be recovered from the contractor.
- 45.2 GST will be paid separately on the bills. Hence, it is the responsibility of the contractor to pay the GST to the concerned Authority.

46. Currencies.

- 46.1 All payment shall be made in Indian Rupees.

~~47. Price Adjustment~~

~~47.1 Contract price shall be adjusted for increase or decrease in rates and price of labour, materials, fuels and lubricants in accordance with the following principles and procedures and as per formula given in the contract data:~~

~~(a) The price adjustment shall apply for the work done from the start date given in the contract data up to end of the initial intended completion date or extensions granted by the Engineer and shall not apply to the work carried out beyond the stipulated time for reasons attributable to the contractor.~~

~~(b) The price adjustment shall be determined during each month from the formula given in the contract data.~~

~~(c) Following expressions and meanings during to the work done during each month~~

~~R = Total value of work done during the month. It would include the amount of secured advance granted, if any, during the month less the amount of secured advance recovered, if any during the month. It will exclude value for works executed under variations for which price adjustment will be worked separately based on the terms mutually agreed.~~

~~47.2 To the extent that full compensation for any rise or fall in costs to the contractor is not covered by the provisions of this or other clause in the contract, the unit rates and prices included in the contract shall be deemed to include amounts to cover the contingency of such other rise or fall in costs.~~

48. Retention

- 48.1 The Employer shall retain from each payment due to Contractor the proportion stated in the Contract Data until Completion of the whole of the Works.

- 482 On Completion of the whole of the Works half the total amount retained is repaid to the Contractor and half when the Defects Liability Period has passed and the Engineer has certified that all Defects notified by the Engineer to the Contractor before the end of this period have been corrected.
- 483 On completion of the whole works, the contractor may substitute retention money with an “on demand” Bank guarantee.

In case, Contractor requests for refund of the Retention Money deducted by the Employer under the provision of this clause, Employer shall consider the said request of the Contractor provided that the refund hereunder shall be made in tranches of not less than 1% (One Percent) of the Contract Price and Contractor furnishes an irrevocable and unconditional Bank guarantee for an equal amount substantially in the format of Bank Guarantee for Performance Guarantee enclosed with SBD and valid up to 60 day beyond the scheduled / extended Defects Liability Period. On completion of the whole works, the contractor has however an option to submit a fresh irrevocable and unconditional Bank Guarantee for an amount equal to 5% of the total value of work executed substantially in the format of Bank Guarantee for Performance Guarantee enclosed with SBD and valid up to 60 days beyond the Defect Liability Period and yet refund the Retention Money Bank Guarantee submitted for refund of Retention Money.

49. Liquidated Damages

- 491 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date (for the whole works or the milestone as stated in the contract data). The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payment due to the Contractor. Payment of liquidated damages does not affect the Contractor’s liabilities.
- 492 If the Intended Completion Date is extended after liquidated damages have been paid, the Engineer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate. The Contractor shall not be entitled for any interest on the over payment calculated from the date of payment to the date of repayment.
- 493 If the contractor fails to comply with the time for completion as stipulated in the tender, then the contractor shall pay to the employer the relevant sum stated in the Contract Data as Liquidated damages for such default and not as penalty for everyday or part of day which shall elapse between relevant time for completion and the date stated in the taking over certificate of the whole of the works on the relevant section, subject to the limit stated in the contract data.

The employer may, without prejudice to any other method of recovery deduct the amount of such damages from any monies due or to become due to the contractor. The payment or deduction of such damages shall not relieve

the contractor from his obligation to complete the works on from any other of his obligations and liabilities under the contract.

- 494 If, before the Time for Completion of the whole of the Works or, if applicable any Section, a Taking Over Certificate has been issued for any part of the Works or of a Section, the liquidated damages for delay in completion of the remainder of the Works or of that Section shall, for any period of delay after the date stated in such Taking-Over-Certificate, and in the absence of alternative provisions in the Contract, be reduced in the proportion which the value of the part so certified bears to the value of the whole of the Works or Section, as applicable. The provisions of this Sub-clause shall only apply to the rate of liquidated damages and shall not affect the limit thereof.

~~50 Bonus~~

- ~~501 If the contractor achieves completion of the whole of the works prior to the intended Completion Date prescribed in Contract Data the Employer shall pay to the contractor a sum stated in Contract Data as bonus for every completed month but subjected to maximum amount as stated in Contract Data, which shall elapse between the date of completion of all items of works as stipulated in the contract, including variations ordered by the Engineer and the time prescribed in Clause 17.~~

- ~~502 Bonus shall be paid only to works amounting to above INR 5 crore with time limit of the works is equal or more than 6 months. The bonus would be paid as under~~

% of Time Saved	% of Initial Contract Price entitled for Bonus
50 %	5%
40 %	4%
30 %	3%
20 %	2%
10 %	1%
Less than 10%	0%

~~51. Advance Payment.~~

- ~~511 The Employer shall make advance payment (not to be paid less than two installments except in special circumstances for which the reason to be Recorded in writing) to the Contractor of the amounts stated in the Contract Date by the date stated in the Contract Date, against provision by the Contractor of an Unconditional Bank Guarantee in a form and by a bank acceptable to the Employer in amounts and currencies equal to be at least 110% of the advance payment. The guarantee shall remain effective until the~~

~~advance payment has been repaid, but the amount of the guarantee shall be progressively reduced by the amounts repaid by the Contractor. The Mobilization advance would be deemed as interest bearing advance at an interest rate of 10 % to be compounded, quarterly.~~

~~512 The Contractor is to use the advance payment only to pay for Equipment, plant and Mobilization expenses required specifically for execution of the Works. The Contractor shall demonstrate that advance payment has been used in this way by supplying copies of invoices or other documents to the engineer.~~

~~513 The advance payment shall be repaid by deduction proportionate amount from payments otherwise due to the Contractor, following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance payment or its repayment in assessing valuations of work done, variations, price adjustments, Compensation Events, or Liquidated damages.~~

~~514 Deleted~~

52. Securities

521 The performance Security (including additional security for unbalanced bids) shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a bank or surety acceptable to the Employer, and denominated in Indian Rupees. The performance Security shall be valid until a date 60 days from the date of expiry of Defects Liability Period and the additional security for unbalanced bids shall be valid until a date 28 days from the date of issue of the certificate of completion.

53. Deleted

54. Cost of Repairs.

541 Loss or damage to the Works or Materials to be incorporated in the Works between the Start date and the end of Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damages arises from the Contractor's acts or omissions.

E. FINISHING THE CONTRACT

55. Completion

- 55.1 The Contractor shall request the Engineer to issue a Certificate of Completion of the works and the Engineer will do so upon deciding that the work is completed.

56. Taking Over

- 56.1 The Employer shall take over the Site and the Works within seven days of the Engineer issuing a certificate of Completion.

57. Final Account

- 57.1 The Contractor shall supply to the Engineer a detailed final account of the total amount that the Contractor considers payable as full and final settlement of all claims under the Contract for items before the end of the Defects Liability Period. The Engineer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 56 days of receiving the Contractor's account if it is correct and complete. If it is not, the Engineer shall issue within 56 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Engineer shall decide on the amount payable to the Contractor and issue a payment certificate, within 56 days of receiving the Contractor's revised account.
- 57.2 If reversal in characteristic of tender (L1 becoming L2) on account of excesses and savings in final account is observed, the Engineer/Employer shall be at liberty to restrict the final payment of BOQ items to the lowest amount evaluated of the bids considering the final quantities and the rates quoted including the rebates if any. Payment of variation items shall however be made at the rates approved by the Employer, within 90 days from the physical completion of work.

58. Operating and Maintenance Manuals

- 58.1 If "as built" drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the Contract data.
- 58.2 If the Contractor does not supply the Drawings and/or manuals by the dates stated in the Contract data, or they do not receive the Engineer's approval, the Engineer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

59. Termination

- 59.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.

592 Fundamental breaches of Contract include, but shall not be limited to the following:

1. The contractor stops work for 28 days when no stoppage of work is shown on the current programme and the stoppage has not been authorized by the Engineer
2. The Engineer instructs the Contractor to delay the progress of the Works and the instructions is not withdrawn within 28 days;
3. The Employer or the Contractor is made bankrupt or goes into liquidation other than for a reconstructions or amalgamation
4. A payment certified by the Engineer is not paid by the Employer to the Contractor within 56 days of the date of the Engineer's certificate
5. The Engineer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Engineer;
6. The Contractor does not maintain a security which is required;
7. The Contractor has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined in the Contract data; and
8. If the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this paragraph: "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution. "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition.

593 When either party to the Contract gives notice of a breach of contract to the Engineer for a cause other than those listed under Sub Clause 59.2 above, the Engineer shall decide whether the breach is fundamental or not.

594 Notwithstanding the above, the employer may terminate the Contract for convenience.

60. Payment upon Termination

60.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Engineer shall issue a Certificate for the value of the work done less advance payments received up to the date of the issue of the

certificate, less other recoveries due in terms of the contract, less taxes due to deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.

- 602 If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Engineer shall issue a certificate for the value of the work done, the cost of balance material brought by the contractor and available at site, the reasonable cost of removal of equipment, repatriation of the Contractor's personnel employed solely on the works, and the Contractor's cost of protecting and securing the Works and less advance payment received up to the date of the certificate, less other recoveries due in terms of the contract and less taxes due to deducted at source as per applicable law.

61. Property

- 61.1 All materials on the Site, Plant Equipments, Temporary Works and Works are deemed to be property of the Employer, if the Contract is terminated because of a Contractor's default.

62. Release from Performance

- 62.1 If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of either the Employer or the Contractor the Engineer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made.

F. SPECIAL CONDITIONS OF CONTRACT

63. LABOUR

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment of housing, feeding and transport.

The Contractor shall, if required by the Engineer, deliver to the Engineer a return in detail, in such form and at such intervals as the Engineer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the site and such other information as the Engineer may require.

64. COMPLIANCE WITH LABOUR REGULATIONS

During continuance of the contract, the Contractor and his sub-contractor shall abide at all times by all existing labour enactments and rules made thereunder, regulations, notification and bye laws of the State or central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notifications that may be issued under any labour law in future either by the State or the Central Government or the local authority. Salient features of some of the major labour laws that are applicable to the construction industry are given below. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made thereunder, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, the Engineer/employer shall have the right to deduct any money due to the Contractor including his amount of performance security. The Employer/Engineer shall also have the right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor and the Sub-Contractor in no case shall be treated as the employees of the Employer at any point to time.

SALIENT FEATURES OF SOME MAJOR LABOUR AND OTHER LAWS APPLICABLE TO ESTABLISHMENTS ENGAGED IN BUILDING AND OTHER CONSTRUCTIONS WORK

- A) **Workmen Compensation Act 1923** :- The Act provides for compensation in case of injury by accident arising out of and during the course of employment.
- B) **Payment of Gratuity Act. 1972** :- Gratuity is payable to an employee under the Act on satisfaction of certain conditions on separation if an employee has completed 5 years service or more on death, the rate of 15 days wages for every completed year of service. The Act is applicable to all establishments employing 10 or more employees.
- C) **Employees P.F. and Miscellaneous Provision Act 1952:-** The Act Provides for monthly contributions by the employer plus workers @ 10% or 8.33% The benefits payable under the Act are :
1. Pension or family pension on retirement or death, as the case may be.
 2. Deposit linked insurance on the death in harness of the worker.
 3. Payment of P.F. accumulation on retirement/death etc.
- D) **Maternity Benefit Act 1951** :- The Act provides for leave and some other benefits to women employees in case of confinement or miscarriage etc.
- E) **Contract Labour (Regulation & Abolition) Act 1970** : The Act provides for certain welfare measures to be provided by the Contractor to contract labour and in case the Contractor fails to provide, the same are required to be provided, by the Principal Employer by Law. The principal Employer is required to take Certificate of Registration and the Contractor is required to take license from the designated Officer. The Act is applicable to the establishments or Contractor of Principal Employer, if they employ 20 or more contract labour.
- F) **Minimum Wages Act 1948 :-** The Employer is supposed to pay not less than the Minimum Wages fixed by appropriate Government as per provisions of the Act, if the employment is a scheduled employment. Construction of Building, Roads, Runways are scheduled employment.
- G) **Payments of wages Act 1936:-** It lays down as to by what date the wages are to be paid, when it will be paid and what deductions can be made from the wages of the workers.
- H) **Equal remunerations Act 1979** :- The Act provides for payment of equal wages for work of equal nature to Male and Female workers and for not making discrimination against female employees in the matter of transfer, training and promotions etc.
- I) **Payments of Bonus Act 1965** :- The Act is applicable to all establishments employing 20 or more employees. The Act provides for payments of annual bonus subject to a minimum of 8.33% of wages and maximum of 20 % of wages to employees drawing Rs. 3500/- per month or less. The bonus to be paid to employees getting Rs. 2500/- per month or above Rs. 3500/- per month shall be worked out by taking wages as Rs. 2500/- per month only. The Act does not

apply to certain establishments. The newly set-up establishments are exempted for five years in certain circumstances. Some of the State Governments have reduced the employment size from 20 to 10 for the purpose of applicability of this Act.

- J) **Industrial Disputes Act 1947 :-** The Act lays down the machinery and procedure for resolutions of Industrial disputes, in what situations a strike or lock-out becomes illegal and what are the requirements for laying off or retrenching the employees or closing down the establishment.
- K) **Industrial employment (standing Orders) Act 1946 :-** It is applicable to all establishments employing 100 or more workmen (employment size reduced by some of the State and Central Government to 50). The Act provides for laying down rules governing the conditions of employment by the Employer on matters provided in the Act and get the same certified by the designated Authority.
- L) **Trade Unions Act 1926:-** The Act lays the procedure for registration of trade unions of workmen and employers. The Trade Unions registered under the Act have given certain immunities from civil and criminal liabilities.
- M) **Child Labour (Prohibition & Regulation Act 1986 :-** The Act prohibits employment of children below 14 years of age in certain occupations and process and provides for regulation of employment of children in all other occupations and processes. Employment of Child labour is prohibited in Building and Construction Industry.
- N) **Inter – State Migrant workmen’s (Regulation of Employment & Conditions of service) Act 1979:-** The Act is applicable to an establishment which employs 5 or more inter-state migrant workmen through an intermediary (who has recruited workmen in one state for employment in the establishment situated in another state).The inter-state migrant workmen, is an establishment to which this Act becomes applicable, are required to be provided certain facilities such as housing, medical aid, traveling expenses from home upto the establishment and back, etc.
- O) **The Building and Other Construction workers (Regulation of employment and Conditions of Service) Act 1996 and the Cess Act of 1996:-** All the establishments who carry on any building or other constructions work and employ 10 or more workers are covered under this Act.
All such establishments are required to pay cess at the rate not exceeding 2% of the cost of construction as may be modified by the government. The Employer of the establishment is required to provide safety measures at the Building or construction work and other welfare measures, such as canteens, First Aid facilities, Ambulance, Housing accommodations for workers near the workplace etc. The Employer to whom the Act applies has to obtain a registration certificate from the Registering Officers appointed by the Government.

- P) **Factories Act 1948 :-** The Act lays down the procedure for approval of plans before setting up a factory, health and safety provisions, welfare provisions, working hours, annual earned leave and rendering information regarding accidents or dangerous occurrences to designated authorities. It is applicable to premises employing 10 persons or more with aid of power or 20 or more persons without the aid of power engaged in the manufacturing process.
- Q) **Royalty charges-**The contractor shall pay the royalty to the competent authority as per rule. The **royalty** charges paid shall be borne by the contractor and shall not be reimbursed by the Employer.
- R) **Following Pollution control Acts and amendments made thereof from time to time shall be applicable.**
1. Water (Preservation and control of Pollution) Act, 1974
 2. Air (Prevention and Control of Pollution Act 1981
 3. Environmental (Protection) Act 1986

The contractor must commit to adopting Environmental management plan for best energy use, waste management, the reduction of pollution as in EMS (Environmental Management system)ISO-14001-2015

65. ARBITRATION (GCC Clause 24)

The procedure for arbitration will be as follows: -

- 24.1 If the Contractor is of the view that a decision taken by the Engineer was either outside the authority given to the Engineer by the Contract or that the decision was wrongly taken, the decision shall be referred to The Agriculture Produce Market Committee, UNJHA or (Higher Authority) within 14 days of the notification of the Engineer's decision. If the issue is not resolved, any party can refer the matter for conciliation within 15 days from the decision given by the APMC Engineer.

24.2

- (a) For the work up to Rs.100 Cr., if any of the parties is not satisfied with the decision of the The Agriculture Produce Market Committee, UNJHA, both the parties have to refer to the Consultant appointed by The Agriculture Produce Market Committee, UNJHA concerned for the conciliation process.
- (b) For the work more than Rs.100 Cr., if any of the parties is not satisfied with the decision of the The Agriculture Produce Market Committee, UNJHA, both parties have to refer to the Urban Development Authority Department, Government of Gujarat for the conciliation process.

If the dispute is not resolved through the conciliation process, contractor may refer the dispute to Gujarat Public Works Contract Dispute Arbitration Tribunal. If the Contractor fails to refer a claim / dispute to the Higher Authority within 14 days of the notification of the Engineer's decision, the Contractor shall not be entitled to any additional payment/claim if he doesn't follow the above sequence in stipulated time. However, during such period, he would not stop the work in any case.

SECTION - 4
CONTRACT DATA

CONTRACT DATA

Clause Reference With respect To section 3

Item marked "N/A" do not apply to this Contract.

1. The Employers is [CL.1.1]
 Name: APMC
 Address: Opp Clocl Tower, APMC Unjha
 Name of authorized Representative (will be intimated later)
2. The Engineer is Panel Engineer of APMC Unjha
 Name of Authorized Representative: Y T Patel
3. The Defects Liability Period is 3 years from the date of [CL.1.1&33]
 completion.
4. The Start Date shall be 1st days for the date of issue of the Notice [CL.1.1]
 to proceed with the work.
5. The Intended Completion Date for the whole of the works is [CL.1.1,17&2]
24 Months after start of work with the following milestones:
 Milestone dates: [CL.2.2& 49.1]
Physical works to be completed Period from the start date
 Milestone 1 i.e. 20 % 6 Month.
 Milestone 2 i.e. 50 % 6 Month.
 Milestone 3 i.e. 80 % 18 Month.
 Milestone 4 i.e. 100 % 24 Month.
6. The Site is located at Village Brahmanwada Near Unjha [CL.1.1]
7. The name and identification number of the Contract is: [CL.1.1]
8. The works consist of **Construction of New Sub Market yard at Brahmanwada R.S. NO-613 of A.P.M.C. Unjha** [CL.1.1]
 with items as per
 B.O.Q. The works shall, inter alia, include the following, as
 Specified or as directed:
(A) Road Works
 Site clearance; setting – out and layout; widening of existing
 carriageway and strengthening including camber corrections;
 construction of new road/ Parallel service road; bituminous pavements
 remodeling/construction of Junctions, intersections, bus bays, lay-bays;
 supplying and placing of drainage Channels, flumes, guard posts and
 guard other related items; construction/extension of cross drainage
 works, bridge, approaches and other related stones; protective works
 for roads/bridge; all aspects of quality assurance of various
 components of the works; rectification of The defects in the completed
 works during the Defects Liability Period; submission of "As- built"
 drawings and any other related documents; and other item of work as
 may be required to be carried out for completing the work in
 accordance with the drawings and the provisions of the contract and to
 ensure safety.

(B) Bridge Works

Site clearance; setting out, provision of foundations, piers abutments and bearing; prestressed/reinforced cement concrete superstructure; wearing coat, hand railings, expansion joints, approach slabs, drainages spouts/ downtake pipes, arrangements for fixing light posts, water mains, utilities etc; provision of suitably designed protective works; providing wing/return walls; provision of road markings, road signs etc.; all aspects of quality assurance; clearing the site and handing over the works on completion; rectification of the defects during the Defects Liability Period and submission of "As-built" drawings and other related documents; and other items of work as may be required to be carried out for completing the works in accordance with the drawings and the provisions of the contract and to Insure safety

(C) Other Items

[CL.1.1]

Any Other Items as required to fulfill all contractual obligations as per the Bid documents.

10. The following documents also form part of the Contract: [CL.2.3(9)]
_____As per clause 2-3_____
11. The law which applies to the Contract is the law of Union of India [CL.3.1]
12. The language of the Contract documents is English [CL.3.1]
13. Limit of subcontracting 25% of the Initial Contract Price [CL.7.1]
14. The Schedule of Other Contractors [CL.8]
15. The Schedule of Key Personnel As per Annex – II to Section I [CL.9]
16. The minimum insurance cover for physical property, injury and death is Rs. 5 lakhs per occurrence with the number of occurrences limited to four. After each occurrence, the contractor will pay an additional premium necessary to make insurance valid for four occurrences always. [CL.13]
17. Site Investigation report [CL.14]
18. The Site Possession dates shall be as on work order date [CL.21]
19. The period for submission of programme for approval of the engineer shall be 21 days from the issue of Letter of Acceptance. [CL. 27.1]
20. The period between program updates will be.....days. [CL.27.3]
21. The amount to be withheld for late submission of an updated programme shall be Rs 25 lakhs [CL. 27.3]
22. The following events shall also be Compensation Events [CL. 44]
Substantially adverse ground conditions encountered during the course of execution of work not provided for in the bidding document.
 - (i) Removal of underground utilities detected subsequently
 - (ii) Significant changes in classification of soil requiring additional mobilization by the contractor, e.g. ordinary soil to rock excavation,
 - (iii) Removal of unsuitable material like marsh, debris dumps, etc. not caused by the contractor.

- (iv) Artesian conditions
- (v) Seepage, erosion landslide
- (vi) River training requiring protection of permanent work
- (vii) Presence of historical, archeological or religious structures, monuments interfering with the works
- (viii) Restriction of access to ground imposed by civil, judicial, or military authority

23. The currency of the Contract is Indian Rupees

[CL. 46]

~~24. The formula (c) for adjustment of prices are as under:~~

~~[CL.47]~~

- ~~• If any of the commodities like Cement, Steel or Bitumen are not found applicable in a work, the weight component of that commodities (i.e. 'Cement' (Pc), 'Steel' (Ps) or 'Bitumen' (Pb) as indicated in SBD for the purpose of Price Adjustment) shall be clubbed with the weight component of 'Other Material' (Pm), such that the gross % weight of the components shall remain as 100%.
R = value of work as defined in Clause 47.1 of Conditions of Contract~~

~~Adjustment for labour component~~

- ~~(i) Price adjustment for increase or decrease in the cost due to labour shall be paid in accordance with the following formula:~~

~~$$V_L = 0.85 \times (P_i/100) \times R \times (L_i - L_0)/L_0$$~~

~~V_L = Increase or decrease in the cost of work during the month under consideration due to changes in rates for local labour~~

~~L_0 = The consumer price index for industrial workers for the State on 28 days preceding the scheduled date of opening of technical Bids as published by Labour Bureau, Ministry of Labour, Government of India~~

~~L_i = The consumer price index for industrial workers for the State for the month under consideration as published by the Labour Bureau, Ministry of Labour, Government of India.~~

~~P_i = Percentage of labor component of the work.~~

~~Adjustment for cement component.~~

- ~~(ii) Prices adjustment for increase or decrease in the cost of cement procured by the contractor~~

~~$$V_c = 0.85 \times (P_c/100) \times R \times (G_i - G_0)/G_0$$~~

~~V_c = Increase or decrease in the cost of work during the month under consideration due to changes in rates for cement.~~

~~G_0 = The all India wholesale price index for Ordinary Portland Cement on 28 days preceding the scheduled date of opening of technical bid as published by the Office of the Economic Adviser, Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry.~~

~~C_i = The all India average wholesale price index for Ordinary Portland Cement for the month under consideration as published by Office of the Economic Adviser, Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry.~~

~~P_c = Percentage of cement component of the work~~

Adjustment for steel component

- ~~(iii) Price adjustment for increase or decrease in the cost of steel procured by the contractor shall be paid in accordance with the following formula~~

$$\text{V}_s = 0.85 \times (P_s/100) \times R \times (S_i - S_0)/S_0$$

~~V_s = Increase or decrease in the cost of work during the month under consideration due to changes in the rates for steel~~

~~S₀ = The all India wholesale price index for steel (Mild Steel – Long Products Rebars) on 28 days preceding the date of opening of Bids as published by the Office of the Economic Adviser, Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry.~~

~~S_i = The all India average wholesale price index for steel (Mild Steel – Long Products Rebars) for the month under consideration as published by Office of the Economic Adviser, Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry.~~

~~P_s = Percentage of steel component of the work~~

~~Note : For the application of this clause, the index of Mild Steel – Long products Rebars has been chosen to represent the steel group.~~

Adjustments of bitumen component

- ~~(iv) Price adjustment for increase in the cost of bitumen shall be paid in accordance with the following formula~~

$$\text{V}_b = 0.85 \times (P_b/100) \times R \times (B_i - B_0)/B_0$$

~~V_b = Increase or decrease in the cost of work during the month under consideration due to changes in rates for bitumen.~~

~~B₀ = The official retail price of bitumen at the IOC depot at the nearest centre on the day 28 days prior to the scheduled date of opening of technical bid.~~

~~B_i = The official retail price of bitumen of IOC depot at the nearest centre for the 15th day of the month under consideration.~~

~~P_b = Percentage of bitumen component of the work~~

Adjustment of POL (fuel and lubricant) component

- ~~(v) Price adjustment for increase or decrease in cost of POL (fuel and lubricant) shall be paid in accordance with the following formula~~

$$\text{V}_f = 0.85 \times (P_f/100) \times R \times (F_i - F_0)/F_0$$

~~V_f = Increase or decrease in the cost of work during the month under consideration due to changes in rates for fuel and lubricants.~~

~~F₀ = The official retail price of High Speed Diesel (HSD) at the existing consumer pumps of IOC at the nearest centre on the day 28 prior to the date of opening of Bids.~~

~~F_i = The official retail price of HSD at the existing consumer pumps of IOC at the nearest centre for the 15th day of the month of the under consideration.~~

~~P_f = Percentage of fuel and lubricants component of the work~~

~~Note: For the application of this clause, the price of High Speed diesel Oil has been chosen to represent the fuel and lubricants group.~~

Adjustment for Construction Machinery

- ~~(vi) Price adjustment for increase or decrease in the cost of plant and Machinery spare procured by the Contractor shall be paid in accordance with the following formula~~

$$\text{V}_p = 0.85 \times (P_p/100) \times R \times (P_i - P_0)/P_0$$

~~V_p = Increase or decrease in the cost of work during the month under consideration due to changes in rates for plant and machinery spares~~

~~P₀ = The all India wholesale price index for **manufacturer of machinery for mining, quarrying and Construction** for the month under consideration as published **Office of the Economic Adviser, Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry.**~~

~~P_i = The all India average wholesale price index for **manufacturer of machinery for mining, quarrying and Construction** for the month under consideration as published **Office of the Economic Adviser, Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry.**~~

~~P_p = Percentage of plant and machinery spares component of the work.~~

~~Note: For the application of this clause, index of Heavy Machinery and parts has been chosen to represent the Plant and Machinery Spares group~~

Adjustment of other materials Component

- ~~(vii) Price adjustment for increase or decrease in cost of local materials other than cement, steel, bitumen and POL procured by the contractor shall be paid in accordance with the following formula~~

$$\cancel{V_m = 0.85 \times (P_m / 100) \times R \times (M_i - M_0) / M_0}$$

~~V_m = Increase or decrease in the cost of work during the month under consideration due to change in rates for local materials other than cement, steel, bitumen and POL.~~

~~M_0 = The All Indian wholesale price index (all commodities) on 28 days preceding the scheduled date of opening of technical Bids, as published by the **Office of the Economic Adviser, Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry.**~~

~~M_i = The All India wholesale price index (all commodities) for the month under consideration as published by the **Office of the Economic Adviser, Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry.**~~

~~P_m = Percentage of local material components (other than cement, steel, bitumen and POL) of the work.~~

~~The following percentage will govern the price adjustment for the entire contract:~~

1. Labour	P_l%
2. Cement	P_c%
3. Steel	P_s%
4. Bitumen	P_b%
5. POL	P_f%
6. Plant & Machinery Spares	P_p%
7. Other Materials	P_m%
Total		100 %

25. The proportion of payments retained (retention money) shall be 6% {CL. 48} from each bill subject to a maximum of 5% of final contract price.
26. Amount of Liquidated damages for delay in completion of works
- For Whole of work {CL.49}
(1/2000)th of the Initial contract price, rounded off to the nearest Thousand, per day. For sectional Completion (wherever specified In item 6 of Contract data) (1/2000)th of initial contract price for #5 km Section, rounded off to the nearest thousand per day.

27.	Maximum limit of liquidated damages For delay in completion work	10 percent of the Initial {CL. 49} Contract Price rounded off to the nearest thousand
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28.	Amount of Bonus for early completion	Amount of bonus for early completion of work shall be given as per CL.50 of Section 3
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29.	Maximum limit of bonus for early Completion of work	5 percent of the Contract {CL. 50} Price
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~~30. The amount of the advance payment are: {CL. 51 & 52}~~

#	Nature of Advances	Amount (Rs.)	Conditions to Be fulfilled
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i	Mobilization 10% of the contract Price	On submission of unconditional Bank Guarantee. (to be drawn before the end of 20% of the contract period). The contractor may furnish four bank guarantees of 2.5 % of each valid for the full period.
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ii	Equipment 90% for new and 50% of depreciated value for old equipment. Total amount will be subject to a maximum of 5% of the Contract Price	After equipment is brought to site (provided the Engineer is satisfied That the equipment is required for performance of the contract) and on submission of unconditional Bank Guarantee for amount of advance
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iii	Secured Deleted Advance for Non-persish able material Brought to site
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~~(The advance payment will be paid to the Contractor no later than 28 days after
fulfillment of the above conditions).~~

~~31. Repayment of advance payment for mobilization and equipment {CL. 51.3}~~

~~The advance loan shall be repaid with percentage deduction from the interim
payments certified by the Engineer under the Contract. Deduction shall
commence in the next Interim Payment Certificate following that in which the~~

~~total of all such payments to the Contractor has reached not less than 20 percent of the Contract Price or 6 (six) months from the date of payment of first installment of advance, whichever period concludes earlier, and shall be made at the rate of 20 percent **(collectively for both Mobilization Advance and Equipment Advance)** of the amounts of all Interim Payment Certificate until such time as the loan has been repaid, always provided that the loan shall be completely repaid prior to the expiry of the original time for completion pursuant to Clause 17 and 28.~~

~~32. Deleted~~

~~33. The securities shall be for the following minimum amounts equivalent {CL. 52}~~

~~As a percentage of the Contract Price:~~

~~Performance Security for 5 percent of contract price plus Rs. (to be decided after evaluation of the bid) as additional security in terms of ITB Clause 29.5~~

~~The standard form of Performance security acceptable to the Employer shall be an unconditional Bank Guarantee of the type as presented in Section 8 of the Bidding Documents.~~

~~34. The Schedule of Operating and maintenance Manuals.....N/A..... {CL. 58}~~

~~35. The date by which "as built" drawings (in scale as directed) in 2 sets {CL. 58} are required within 28 days of the issue of certificate of completion of the whole or section of the work, as the case may be.~~

~~36. The amount to be withheld for failing to supply "as built" drawings {CL. 58} by the Date required is Rs Lakhs.~~

~~37. The following events shall also be fundamentals breach of contract: {CL.59.2}~~

~~"The Contractor has contravened Sub-clause 7.1 and Clause 9 of GCC"~~

~~38. The percentage to apply the value of the work not completed representing {Cl 60} the Employer's additional cost for completing the Works shall be 20 per cent.~~

SECTION - 5
TECHNICAL SPECIFICATION

Separate attached

SECTION - 6
FORM OF BID

FORM OF BID

Description of the Works:

Construction of New Sub Market yard at Brahmanwada R.S. NO-613 of A.P.M.C. Unjha Under the scheme of AMI sub scheme of ISAM

BID

To :

Address :

1. We offer to execute the Works described above and remedy any defects therein in conformity with the conditions of Contract, specification, drawings, Bill of Quantities and Addenda for the sum (s) of

(-----)

2. We undertake, if our Bid is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Engineer's notice to commence, and to complete the whole of the Works in the Contract within the time stated in the document.
3. We agree to abide by this Bid for the period of 120 Days from the date fixed for receiving the same, and it shall remain binding upon it and may be accepted at any time before the expiration of that period.
4. Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
5. We understand that you are not bound to accept the lowest or any tender you may receive.

Dated this ----- day of ----- 20

Signature ----- in the capacity of -----

----- duly authorized to sign bids for and on behalf of -----

(in block capitals or typed)

Address

Witness

Address

Occupation

The Agricultural Produce Market Committee UNJHA



FINANCIAL BID

NAME OF WORK:

**Construction of New Sub Market yard at Brahmanwada
R.S. NO-613 of A.P.M.C. Unjha. Under the scheme of
AMI sub scheme of ISAM**

ESTIMATED COST PUT TO TENDER ₹. 627789022.10

Chairman
APMC
Unjha

SECTION - 7
BILL OF QUANTITIES

BILL OF QUANTITIES

Preamble

1. The bill of Quantities shall be read in conjunction with the Instructions to Bidder, Conditions of Contract, Technical Specifications and Drawings.
2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices tendered in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract.
3. The rates and prices tendered in the priced Bill of Quantities shall, except in so far as it is otherwise provided under the Contract, include all constructional plant, layout, supervision, materials, erection, maintenance, insurance, profit, taxes and duties, together with all general risks, liabilities and obligations set out or implied in the Contract.
4. The rates and prices shall be quoted entirely in Indian Currency.
5. A rate or prices shall be entered against each item in the Bill Quantities, whether quantities are stated or not. The cost of Items against which Contractor has failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities (in case of Item rate contract).
6. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no Items are provided the cost shall be deemed to be distributed among the rates and prices entered for the related items of Work.
7. General direction and descriptions of work and materials are not necessarily repeated or summarized in the Bill of Quantities. References to the relevant sections of the contract documentation shall be made before entering rates or prices against each item in the Bill of Quantities.
8. The method of completed work of payment shall be in accordance with the specification for Road and Bridge works. For building works specifications for building are to be followed.
9. Errors will be corrected by the Employer for any arithmetic errors pursuant to **Clause 29** of the Instructions to Bidder.
10. Rock is defined as all materials which, in the opinion of the Engineer, required blasting, or the use of metal wedges and sledgehammers, or the use of compressed air drilling for its removal, and which cannot be extracted by ripping with a tractor of at least 150 kw with a single rear mounted heavy duty ripper.

**Name of Work :- Construction of New Sub Market yard at Brahmanwada R.S.
NO-613 of A.P.M.C. Unjha. Under the scheme of AMI sub scheme of ISAM**

BILL OF QUANTITIES

(B) Item Rate Tender

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
1	Excavation for foundation up to 1.50 Mt depth including sorting out and stacking of useful materials and disposing the excavated stuff up to 50 Mt lead (A) Loose or soft soil (EXECUTED WITH MECHANISED EFFORTS MACHINARIES)	8157.18	Cu.M.			
2	Excavation for foundation 1.50 Mt to 3.00 Mt depth including sorting out and stacking of useful materials and disposing the excavated stuff up to 50 Mt lead (A) Loose or soft soil (EXECUTED WITH MECHANISED EFFORTS MACHINARIES)	2719.06	Cu.M.			
3	Filling in foundation and plinth with murrum or selected soil in layers of 20 cm thickness including watering, ramming and consolidation etc complete with all leads and lifts.	16243.44	Cu.M.			
4	Filling in foundation and plinth with sand in layers of 20 cm. Thickness including watering ramming and consolidating etc. complete.	3897.94	Cu.M.			
5	Carrying out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistent with I.S.I specification. Using Chlordane and Chiorpurfiles 20 EC. As Per 6131_paret-II Concentration Weight one percent is recommended i.e. one litre 20 EC chemical emulsion with 19 litter give 1 % concentration inclusive of one litre chemical emulsion application at the rate of 5 Litre chemical / Sqm of	12994.48	Sq.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	surface is recommended as per I. S					
6	Providing and laying controlled cement concrete M-100 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish and reinforcement for reinforced concrete work in :(a) Foundations, footings Bases of columns and the like and Mass concrete.	630.25	Cu.M.			
7	Providing and laying controlled cement concrete M-300 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.	469.68	Cu.M.			
8	Providing and laying controlled cement concrete M-300 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.	923.30	Cu.M.			
9	Providing and laying controlled cement concrete M-300 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete. (PEDESTAL)	89.65	Cu.M.			
10	Providing and laying controlled cement concrete M-300 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for	157.90	cum			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	reinforced concrete work in Columns, pillars posts and struts G. FLOOR up to plinth					
11	Providing and laying controlled cement concrete M-300 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars posts and struts G. FLOOR	471.02	Cu.M.			
12	Providing and laying controlled cement concrete M-300 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars posts, struts and elevation padadi F.F & S. F	254.24	Cu.M.			
13	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in BEAMS Ground Floor up to plinth	528.56	cum			
14	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in BEAMS Ground Floor	852.38	Cu.M.			
15	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in BEAMS First Floor	713.22	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
16	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in SLABS for Ground Floor	2145.01	Cu.M.			
17	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in SLABS for FIRST Floor	1720.82	Cu.M.			
18	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in STAIRCASES Ground Floor	196.70	Cu.M.			
19	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Lintels Ground Floor	54.86	Cu.M.			
20	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Lintels First Floor	103.04	Cu.M.			
21	Providing Thermo Mechanically Treated bar (T.M.T.) (I.S.I. Mark) conforming to I.S. - 1786 Fe - 500D for R.C.C. work including bending, binding and placing in position complete. All	656035.98	Kg.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	floor Level					
22	Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm. In foundation and plinth in cement mortar 1:6 (1cement: 6 fine sand) (b) Conventional	590.11	Cu.M.			
23	Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm. In super structure above plinth level up to floor two level in cement mortar 1:6 (1cement: 6 fine sand) (b) Conventional {Ground Floor}	3653.07	Cu.M.			
24	Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm. In super structure above plinth level up to floor two level in cement mortar 1:6 (1cement: 6 fine sand) (b) Conventional {First Floor}	2827.45	Cu.M.			
25	Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm. In super structure above plinth level up to floor two level in cement mortar 1:6 (1cement: 6 fine sand) (b) Conventional {Second Floor}	725.26	Cu.M.			
26	Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm. In cement mortar 1:3 (1cement: 3 coarse sand) with 2 Nos. of 6 mm. Diameter mild steel round bars after every three coarse embedded in cement mortar in super structure above plinth level FIRST FLOOR	6780.25	Sq.M			
27	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 12 cm x 7 cm. size including anodized aluminium fixtures and fastenings including Polishing with French polish on	843.02	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	new wood and wood-based surface to give an even surface including cleaning, the surface of all dirt, dust and sand papering smooth and including a coat of wood filler (ii) Fully Panelled					
28	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement: 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement: 2 Coarse sand) finished with trowel including scaffolding curing etc. complete. GROUND FLOOR	24270.82	Sq.M			
29	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement: 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement: 2 Coarse sand) finished with trowel including scaffolding curing etc. complete. FIRST FLOOR	17846.51	Sq.M			
30	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement: 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement: 2 Coarse sand) finished with trowel including scaffolding curing etc. complete. SECOND FLOOR	6737.43	Sq.M			
31	Providing 10 mm. Thick cement plaster in single coat for plastering on ceiling and soffits of stairs up to floor two level and finished even and smooth in: (I) Cement mortar 1:3 (1 cement: 3	15795.17	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	sand) Ground Floor					
32	Providing 10 mm. Thick cement plaster in single coat for plastering on ceiling and soffits of stairs above floor two level and finished even and smooth in: (I) Cement mortar 1:3 (1 cement: 3 sand) First Floor	21241.32	Sq.M			
33	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering above floor two level and finished even and smooth in (i) Cement mortar 1:3 (1-cement:3-sand) First Floor Rough Finished	2807.38	Sq.M			
34	20 mm. Thick sand faced GUTAKA FINISHED cement plaster on walls up to All height above ground level consisting of 12 mm. Thick backing coat of c.m. 1:3 (1 cement: 3 sand) and 8 mm. Thick finishing coat of c.m. 1:1 (1 cement: 1 sand) including making groove 6 mm wide and 8 mm deep as approved pattern etc. complete as directed.	17366.12	Sq.M			
35	Providing and fixing HEXAGONAL chicken mesh jali with square of 12.50 x 12.50 mm of 25 gauge at junction the Brick masonry and reinforcement cement concrete member including fixing materials scaffolding labour etc. complete	1061.13	Sq.M			
36	Providing cement vata (10cm. x 10 cm. size) quarter round in cement mortar 1:1 including neat cement finishing, watering etc. complete.	883.16	Rmt.			
37	Providing and laying damp proof course 25mm thick cement concrete 1:2:4 (1-Cement: 2 coarse sands: 4 stone aggregate 10 mm nominal size) and curing complete	361.29	Sq.M.			
38	Providing and laying controlled cement concrete M-100 RMC and curing complete including the cost of formwork with	1299.31	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	sheathing steel sheets so as to give a fair finish and reinforcement for reinforced concrete work in: (a) Foundations, footings Bases of columns and the like and Mass concrete.					
39	Providing and laying cement concrete flooring M-200 RMC by using TREMIX system laid in one layer as per required level, slop and thickness of 150mm with 32kg of RCH /Cu.M concrete to be laid in alternate panels size approx. 3.5m x5.0m with steel channel foam work levelling with surface vibrator finish the surface with power float and dowels' Dewatering the floor with vacuum pump. light bluming on the surface as per directed and making construction join of size 10x40 mm by using of concrete cutter machine and ready-mix bituminous filler of Shalimar tar products.	1948.30	Cu.M.			
40	Providing and laying vitrified tiles 9 mm thick 600 x 600 mm size in Dado laid by adhesive material on wall over 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement. (upto 10 ton) (vermora, Dion Pearl-GL, Combo brown matt)	2807.38	Sq.M			
41	Providing and laying 600 mm x 600mm vitrified 9 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with colour cement slurry including finished with flush pointing & cleaning the surface etc. complete for light shade (vermora, Tulip Ivory-GL, Albi ivory matt)	6998.37	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
42	Providing and laying Marbo Granite tiles 9 mm thick, 600 x 600 in skirting risers of steps and dado on 10mm thick cement plaster 1:3 (1-cement: 3-coarse sand) and jointed with white cement slurry (vermora, Tulip Ivory-GL, Albi ivory matt)	422.85	Sq.M			
43	Providing and fixing rubi red Granite of 20 mm thick of uniform size and color for staircases in treads & risers, dado or fascia etc. any length including necessary machine cut edges (uniform thickness) rounded edges, nosing, grooves in risers and treads laid by Adhesive material and in combination of different marble as pattern and instructions of Architect, necessary cement mortar bedding in C.M.1:6 of required thickness. Cement joints and pointing as specified with polishing (with oxalic acid) curing, with water and kerosene as directed for at least 15 days or up to the satisfaction of the Architect & Engineer in charge etc. complete.	7628.62	Sq.M			
44	Providing and laying water proofing treatment with China mosaic tiles flooring over avg 40 mm C.C. 1:2:4 {1 Cement : 2 sand : 4 Kapachi / Grit 6 to 12 mm size} or BBCC of old bricks bats bedding for maintaining slope for plain and curve surface & 12 mm to 20 mm of broken piece of ceramic / glazed tiles (one for more colour as directed) to be laid over cement mortar bedding of C M 1:3 (1 cement : 3 sand) contain one Kg of water proofing materials per bag of O P C at plain or / and slops and to be tempered to bring mortar ceramic up to	13713.05	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	surface with using white cement and colour pigment including rounding of junctions and extending them up to 15 cm along the wall and curing with bends any patterns or design as per drawing and cleaning by using oxalic acid etc complete.					
45	Applying two coats of Birla or Asian acrylic lappy (putty) and two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	65628.10	Sq.M			
46	Providing and applying on wall exterior/ interior of Heritage surface texture granules finish of Bakelite Hylam Limited (No.21-3005, 3006, 3007, 3008, 3013, 3014, 3015 and 3016) trowelled over 20 mm thick sand faced cement plastered (Two coat of 12 mm in CM 1:3 & 8 mm coat in CM 1:1) sub strata to get an average finish coat thickness of 0.08 to 1.2 mm comprising of three components viz. Dry granules, Granules, bonding agent and top coat of glossy finish (Dry granules shall be made from Silica sand, pigments, chiefly inorganic) homopolymer emulsion mix etc, of Bakelite Hylam product banding agent made of acrylic copolymer emulsion, broad spectrum fungicide of Bakelite Hylam product etc and top coat made from solvent based acrylic polymer of Bakelite Hylam product including scaffolding.	3301.14	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
47	Providing and fixing window having extruded aluminium Colour anodized section frame main outer size 95mm x 24mm x 1.17mm (of Jindal Section no:2459 @ wt. Of 0.738 Kg/Mt), horizontal Three track member size 92mm x 31.75mm x 1.30mm (of Jindal Section no:8688, @ Wt.1.07 Kg/Mt), vertical member of size 92mm x 31.75mm x 1.50mm (of Jindal Section no:8933, @ Wt. 1.06 Kg/Mt) with sliding shutters of horizontal member size 40 mmx18mm x1.29mm (of Jindal Section no:8947@ wt. Of 0.456 Kg/Mt), vertical member of size 40mm x 18mm x 1.29 mm (of Jindal Section no:8949 @ wt. Of 0.456Kg/Mt/ with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminium fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc	578.07	Sq.M			
48	Providing and fixing window having extruded aluminium Colour Powder Coated section frame main outer size 63.50 x 38.10 x 1.95 mm (of Jindal Section no:4605, @ Wt. 1.094 Kg / Rmt), horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm (of Jindal Section no: 8687 @ wt. Of 0.695 Kg/Mt), vertical member of size 61.85 mm x 31.75mm x 1.30 mm (of Jindal Section no:8758 @ wt. Of 0.0.659 Kg/Mt) with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section no:8949 @ wt. Of 0.456Kg/Mt), vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section no:8947 @ wt. Of 0.456Kg/Mt/ Section 8948, @ Wt. 0.457 Kg/Mt) with 5 mm thick transparent bronze colour tinted	289.03	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	float glass with powder coated aluminium fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.					
49	Providing and fixing standard extruded of aluminium section of size 63.50 x 38.10 x 1.95 mm (of Jindal Section no:4605, @ Wt. 1.094Kg / Rmt with colour Powder Coated aluminium frame with 5 mm thick transparent bronze colour tinted float glass with colour anodized aluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for. Window	36.13	Sq.M			
50	Supplying fabricating, erecting, aligning & fixing in proper position Asian make 14-gauge hollow mild steel, 50mm x25mm and 14gauge metal sheet as per design on both side outer frame with 75 x 37.5 x 4mm Ms angle equal for shutters opening two on both side complete at site. Rate shall include for supplying all materials such as ISI mark welding rods, bolts, nuts, etc and like labour for the work of straightening, cutting, drilling holes, necessary plants / equipment's for assembling, bolting welding, erecting, etc. complete as directed. Rate shall include for one coat of red oxide and two coats of approved epoxy enamel paint after thorough cleaning of surfaces. Measurement of steel shall be on the basis of length of the sections as per drawings and standard weight as per ISI code.	1180.22	Sq.M			
51	Finishing wall with weather proof exterior emulsion paint on wall surface (two coast) to give a required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials etc. Complete	14467.75	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
52	Providing & Applying three coats (First two coats are with brush and final coat is with roller) of plastic emulsion paint of desired shade, of approved make, brand and manufacture, on any surface, at all heights, to give an even shade, including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth. The paint shall be applied after applying a coat of primer and putty.	67941.70	Sq.M			
B	ELECTRICAL WORKS					
53	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in/ on surface on wall/ceiling complete with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed.	2932	Nos			
54	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling complete with 6A Modular type switch and hum free EME four or more step type electronic fan regulator with separately mounted and accessories with earth continuity of following type erected on PVC / Metallic box, single mounting base frame covered with textured/metallic	458	Nos			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D. Connector as directed. (a) with medium class Rigid PVC pipe and accessories					
55	Point wiring for Two Way Controlled Light Point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of. ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires erected in below type of pipe with 6A Modular type switches and following type of accessories erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary batten/angle holder or ceiling rose or H.D. Connector as directed. (a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete	128	Nos			
56	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of to be erected concealed in / on surface of wall / ceiling complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[II] For 16A Plug with 2-1.5 sq.mm Cu. Wire (a) with medium class Rigid PVC pipe and accessories Cat III	128	Nos			
57	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of to be	129	Nos			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	erected concealed in / on surface of wall / ceiling complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[II] For 16A Plug with 2-2.5 sq.mm Cu. Wire (a) with medium class Rigid PVC pipe and accessories Cat III					
58	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of to be erected concealed in / on surface of wall / ceiling complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[II] For 16A Plug with 2-4.0 sq.mm Cu. Wire (a) with medium class Rigid PVC pipe and accessories Cat III	236	Nos			
59	Point wiring for Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic box, single mounting base frame covered with textured / metallic front plate modules erected on / in wall / ceiling with following type accessories Cat. III	1131.42	Nos			
60	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (a) with medium class Rigid PVC pipe and accessories (b) 2 wire 1.5 sq. mm	23142.86	Mtrs			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
61	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (a) with medium class Rigid PVC pipe and accessories (b) 2 wire 2.5 sq. mm	6171.43	Mtrs			
62	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (a) with medium class Rigid PVC pipe and accessories (a) 2 wire 4 sq. mm	4371.43	Mtrs			
63	Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. (g) One wire 6.00 sq. mm	3240	Mtrs			
64	Providing & Erecting approved make following size of TV Co-axial flexible cable comprising inner conductor of solid bare copper insulated with Foam PE & Secondary conductor made of poly - Aluminium film bonded Al. Braids @ suitable coverage overall sheathed with black PVC insulation. e). RG-11	2571.43	Mtrs			
65	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall	20571.43	Mtrs			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following Dia of pipes, in approved manner as directed (a)20 mm					
66	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed (b) 25 mm	11,314.34	Mtrs			
67	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC / Metallic concealed/open box with single mounting base frame covered with textured/metallic /white front plate, modules erected with necessary connections as directed 1 no. 6A/16A universal plug-switch combined. 3 nos. 6A Switch 3 nos. 6A 5 pin Plug For Modular Type Accessories	118	Nos			
68	Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate, modules erected with necessary connection. As desired by Engineer In charge (4) TV Co-axial Socket outlet	114	Nos			
69	Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate, modules erected with necessary connection. As desired by Engineer In charge (3) Two Pin/RJ-11 Telephone Socket One Gang	114	Nos			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
70	Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate, modules erected with necessary connection. As desired by Engineer In charge (8) Modem Jack for Computer Open RJ-45	119	Nos			
71	Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate, modules erected with necessary connection. As desired by Engineer In charge (7) Blank Plate Single	568	Nos			
72	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, confirming to IS 13032 and BS 5486-1986 without MCB to house appropriate nos. of MCBs. (The DBs should be used of same company of MCB to be used) (A) single phase incoming and horizontal single-phase outgoing (b) sheet steel double door (IP-43) (iv)12 way	108	Nos			
73	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, confirming to IS 13032 and BS 5486-1986 without MCB to house appropriate nos. of MCBs. (The DBs should be used of same company of MCB to be used) (B) three phase incoming and single-phase horizontal type outgoing Per phase isolation type (PPI) (b) sheet steel double door (iii)8 way	6	Nos			
74	Supplying & erecting Sheet Steel powder coated Cable end	6	Nos			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	termination Box to be mounted on Top or Bottom of the MCB Distribution Box for housing/covering Extra wires & Cables, suitable for following size of MCB DB Box. (G) Three Phase 8 Way					
75	Approved make ELCBs / RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 6 KA and suitable for operation on single phase 240 V. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed (ii) 40Amps. DP	118	Nos			
76	providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark	1234	Nos			
77	SITC FP MCB Enclosure of IP65 Water Tight Junction Box with 32A DP MCB With necessary clamp for mounting of the J.B. J. B. Should be provided with cable Connectors + IP65 Glands + IP65 Grommets. connectors to connect 2 nos. of 6 sq. mm. x 4 core cables+ Earthing wires. of Legrand, Schineider, C&S make	118	Nos			
78	Supplying & erecting fan hook box of 10 mm M.S. round bar bounded to the RCC bars up to 50mm length each side and pierced through a 16 Gauge M.S. box / Heavy Duty PVC box complete erected concealed in Ceiling with necessary finishing.	864	Nos			
79	Providing 2. 5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	865	Nos			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
80	Providing & Erecting following Shockproof tission type accessories erected on 3 mm thick PC (Polycarbonate) sheet in PVC/ Metal/Wooden Box. erected on wall/ ceiling. (8) Bakelite lamp holder	565	Nos			
81	Providing & Erecting following Shockproof tissino type accessories erected on 3 mm thick PC (Polycarbonate) sheet in PVC/ Metal/Wooden Box. erected on wall/ ceiling. (7) Bakelite ceiling, rose	564	Nos			
82	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate, modules erected with necessary connections as per site situation directed by Engineer In charge. (8) Computer RJ-45 socket	118	Nos			
C	PLUMBING/SANITARY WORKS: (Internal) SANITARY FIXTURES & FITTINGS					
83	Providing and fixing wash down wall mounting EWC-P of approved shade, conforming to Pattern 2 of IS: 2556 (Part -II), with SWR Salfit Soil PVC pipe and plug bend as per specifications; glazed vitreous / Coloured European Water Closet with Cistern (IS-2326), with grouting the CI chair inside the floor/wall, rubber gaskets, connecting PVC 110mm Dia soil pipe with PVC coupling, nuts, mounting cistern on WC., and solid verity heavy duty plastic seat cover as per IS-2548, of approved make; cutting and making jari work etc. complete. EWC-P: (CERA, HINDWARE, PARRYWARE Make) CONCEALED CISTERN Twin Flush Type: (Jaquar, Gabrit, Veiaga Make) SEAT COVER:	108	Nos			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	(CERA, HINDWARE, PARRYWARE Make)					
84	Providing and fixing White glazed vitreous Wash Basin wall mounting type, size 550x400 mm dia., with supporting M.S. or C.I. Brackets, 1 no, 32 mm CP Bottle trap with extension piece to wall flange with rubber adopter for waste connection and waste coupling. comp. etc. WALL MOUNTING BASIN: (CERA, HINDWARE, PARRYWARE Make), WASTE COUPLING: (HALF THREAD) JAQUAR ALLIED SERIES MAKE, BOTTLE TRAP: (With Internal Partition) JAQUAR/ ALLIED SERIES MAKE	108	Nos.			
85	Providing and fixing central hole basin Pillar Tap cock, with required braided pipes from basin pillar tap to angular stop cock etc complete. BASIN PILLAR COCK: (JAQUAR FLORENTINE SERIES)	108	Nos.			
86	Providing & fixing of Flush cock with wall Flange 32mm with lever knob complete in all respects including cutting and making good the walls etc. METROPOLE FLUSH COCK: - (JAQUAR FLORENTINE SERIES)	108	Nos.			
87	Providing & fixing of wall mixer 3 in 1 system with provision for both telephone shower and overhead shower complete with bend pipe. MIXER UNIT: (JAQUAR FLORENTINE SERIES) OVERHEAD SHOWER (JAQUAR FLORENTINE SERIES). TELEPHONE SHOWER- (JAQUAR FLORENTINE SERIES)	108	Nos.			
88	Providing & fixing in position 15 mm C.P. brass bib cocks of best quality (as approved by the Engineer-in-Charge).2-way BIB COCK: (JAQUAR FLORENTINE SERIES)	108	Nos.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
89	Providing & fixing 15mm C.P. brass angle valve with C.P. copper connecting pipe 450 mm long and nuts, washer and brass flange complete, including cutting and making good the wall where required. ANGLE VALVE: (JAQUAR FLORENTINE SERIES) COPPER PIPE: (JAQUAR FLORENTINE SERIES)	216	Nos.			
90	Providing & fixing stainless steel sink, R.S. or C.I. Painted brackets painted, 40mm dia. C.P. waste, C.P. brass chain and rubber plug, strainer with necessary C.P. brass unions complete including painting the fittings and cutting and making good the walls wherever required, with CP sink cock with raised "J" shaped swinging spout. NIRALI - GRACE - PLAIN - 510 X 432 MM (JAQUAR/ MAKE) SINK HOT & COLD MIXER WIT J - SHAPED SWINGING SPOUT (JAQUAR/ MAKE)	108	Nos.			
91	Providing & fixing white vitreous China flat back urinal of size 590x375x390mm as per IS-2556 (Part-2) with C.I. hangers and 15mm dia. C.P. spreader, 32mm Dia CP bottle trap and pipe to wall with C.P. flange complete including cutting and making good the walls and floors wherever required. FLAT BACK LARGE URINAL: (CERA, HINDWARE, PARRYWARE MAKE) WASTE COUPLING (FULL THREAD) (JAQUAR ALLIED SERIES)	108	Nos.			
92	Providing & fixing of concealed stop cock with wall flange and complete., for the following sizes. 25mm dia. (JAQUAR FLORENTINE SERIES)	108	Nos.			
93	Providing & fixing in position 15 mm C.P. brass bib cocks of best quality (as approved by the Engineer-in-Charge). BIB COCK: (JAQUAR FLORENTINE SERIES)	108	Nos.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
94	Providing & fixing of Hand Shower (Health Faucet), with 8mm Dia, 1Rmt Long PVC Tube and Wall Hook accessories to complete the item. HAND SHOWER: (JAQUAR, ALLIED SERIES MAKE) INTERNAL & EXTERNAL DRAINAGE: (SOIL, WASTE, VENT AND RAIN WATER PIPES & FITTINGS)	108	Nos.			
95	Providing fixing, testing and commissioning of SWR PVC PIPE TYPE-B(6Kg/cm ² .) Ringgit/self it pipes conforming to IS:13592 including all fittings such as bends, junctions, inspection doors, offsets, cowl, access pieces/plugs etc. jointing with PVC Adhesive joints including cutting holes in RCC or brick walls, floor and making good the same. (Inside Toilet & Kitchen and Wash Area Works) (Supreme/ Finola/ Astral MAKE) SOIL & WASTE & VENT PIPE: -160 mm dia.	102.86	Rmt.			
96	Providing fixing, testing and commissioning of SWR PVC PIPE TYPE-B(6Kg/cm ² .) Ring fit/selfit pipe conforming to IS:13592 including all fittings such as bends, junctions, inspection doors, offsets, cowl, access pieces/plugs etc. jointing with PVC Adhesive joints including cutting holes in RCC or brick walls, floor and making good the same. (Inside Toilet & Kitchen and Wash Area Works) (Supreme/ Finola/ Astral MAKE) SOIL & WASTE & VENT PIPE: -110 mm dia.	514.26	Rmt.			
97	Providing fixing, testing and commissioning of SWR PVC PIPE TYPE-B(6Kg/cm ² .) Ringfit/ selfit pipe conforming to IS:13592 including all fittings such as bends, junctions, inspection doors, offsets, cowl, access pieces/plugs etc. jointing with PVC Adhesive joints including cutting holes in RCC	771.43	Rmt.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	or brick walls, floor and making good the same. (Inside Toilet & Kitchen and Wash Area Works) (Supreme/ Finolex/ Astral MAKE) SOIL & WASTE & VENT PIPE: -75 mm dia.					
98	Providing & fixing PVC Floor Trap OR multi floor trap of 75mm Dia diameter, with necessary distance piece of 75mm Dia pipe and 150x150mm grating S.S. three piece, making necessary trap chamber all around the trap with complete water proofing treatment inside and outside of the chamber, the work is including necessary SLAB /WALL RCC or Brick holes and cutting and refinishing of the junction with necessary treatment etc complete. (Supreme/ Finola/ Prince/ Astral MAKE) 110mm x 75mm	216	Nos			
99	Providing and fixing PVC Pipe ISI marked brand as per IS:4985 (6 kg.) complete with PVC Fittings & clamps & hinges including cutting and making good the walls & ceiling for waste pipes, connections & as directed by the Engineer-in-Charge. (Supreme/ Finolax/ Prince/ Astral MAKE) 50 mm nominal bore (For Kitchen Water: Wash out)	154.29	Rmt.			
100	Providing and fixing PVC Pipe ISI marked brand as per IS:4985 (6 kg.) complete with PVC Fittings & clamps & hinges including cutting and making good the walls & ceiling for waste pipes, connections & as directed by the Engineer-in-Charge. (Supreme/ Finolex/ Prince/ Astral MAKE) 40mm nominal bore (For Wash basin Water: Wash out)	385.71	Rmt.			
101	Providing and fixing PVC Pipe ISI marked brand as per IS:4985 (6 kg.) complete with PVC Fittings & clamps & hinges	257.14	Rmt.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	including cutting and making good the walls & ceiling for waste pipes, connections & as directed by the Engineer-in-Charge. (Supreme/ Finolex/ Prince/ Astral MAKE) 40mm nominal bore (For AC Drain Pipping in Shaft with insulation as required.)					
102	Providing and fixing M.S. holder-bat clamps of approved design to PVC pipe embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement: 2 coarse sands: 4 graded stone aggregate 20mm nominal size) (Chilly. /Intellotech or Eq. Approved Make) For 160 mm dia. pipe	77.14	No			
103	Providing and fixing M.S. holder-bat clamps of approved design to PVC pipe embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement: 2 coarse sands: 4 graded stone aggregate 20mm nominal size) (Chilly. /Intellotech or Eq. Approved Make) For 110 mm dia. pipe	771.43	No			
104	Providing and fixing M.S. holder-bat clamps of approved design to PVC pipe embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement: 2 coarse sands: 4 graded stone aggregate 20mm nominal size) (Chilly. /Intellotech or Eq. Approved Make) For 75 mm dia. pipe	257.14	No			
105	Providing and fixing M.S. holder-bat clamps of approved design to PVC pipe embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement: 2 coarse sands: 4 graded stone aggregate 20mm nominal size) (Chilly. /Intellotech or Eq. Approved Make) For 50 mm dia. pipe	514.29	No			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
106	Providing and fixing M.S. holder-bat clamps of approved design to PVC pipe embedded in and including cement concrete blocks 10x10x10cm of 1:2:4 mix (1 cement: 2 coarse sands: 4 graded stone aggregate 20mm nominal size) (Chilly. /Intellotech or Eq. Approved Make) For 40 mm dia. pipe	514.29	No			
	EXTERNAL SEWER NETWORK					
107	Providing and Laying & Jointing ECO-drain PVC pipe as per IS-15328 class SN-4 pipes to the specified invert level and slope and full leak proof joining with rubber ring click ring jointing etc., complete with testing. complete with PVC Fittings & RCC support of 450mm x 450mm size as required at every 6mtr distances also including cutting and making good the walls & floors for waste pipes, connections & as directed by the Engineer-in-Charge. (Supreme/ Finolex/ Astral MAKE) 160mm	514.29	Rmt.			
108	Providing and Laying & Jointing ECO-drain PVC pipe as per IS-15328 class SN-4 pipes to the specified invert level and slope and full leak proof joining with rubber ring click ring jointing etc., complete with testing. complete with PVC Fittings & RCC support of 450mm x 450mm size as required at every 6mtr distances also including cutting and making good the walls & floors for waste pipes, connections & as directed by the Engineer-in-Charge. (Supreme/ Finolex/ Astral MAKE) 200mm	205.71	Rmt.			
109	Excavating trenches in soil of required width for pipes etc. including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 2.0 m including getting out the excavated soil, and then refilling	514.29	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	the soil as required, in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed, within a lead of 1000 m to 1.5mtr depth					
110	Providing and spreading graded sand feeling below, around and above PVC pipe for support as per the typical section shown in drawing with a lead of 10 kilometre. Minimum 300mm feeling required all around the pipe.	514.29	Cu.M.			
111	Constructing masonry inspection / manhole Chamber inside with 75 second class designation brick work in cement mortar 1:5 (1 cement :5 fine sand) for drainage, with FRP surface heavy duty chamber cover with RCC top slab 1:2:4 mix (1 cement:2 coarse sand : 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:4:8 (1 cement :4 fine sand : 8 graded stone aggregate 40 mm nominal size) and inside and outside plastering with cement mortar 1:3 (1 cement :3 coarse sand) 12mm thick finished with a floating coat of neat cement complete including using waterproofing compound as per standard design FRP. foot rests including fixing in 20 x 20 x 10 cm cement concrete blocks 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 20 mm nominal size): (Sewerage drain chamber) (Note: Cost shall include dewatering & water proofing of chambers as directed at site).					
a	600 x 600 mm size 0 to 1.0mtr depth	13	Nos.			
b	900 x 800 mm size 1.0 to 1.5mtr depth	13	Nos.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
c	1200 x 900mm size 1.5 to 3.0mtr depth	3	Nos.			
112	Providing and fixing square mouth PVC gully trap grade 'A' complete with C.I. grating brick masonry chamber with first class bricks and water tight double seal C.I. cover with frame of 300 x 300 mm internal size. The weight of cover to be not less than 4.5 kg and frame to be not less than 2.70 kg. as per standard design. (Note: Cost shall include dewatering & water proofing of chambers as directed at site). 300 x 300 mm chamber with 160 x 110 mm size 'P' trap.	108	Nos.			
113	Providing and fixing of PVC sewer trap of 200mm sizes, the trap should be installed at the last manhole. Making connection of sewage line from last manhole to septic tank including excavation, dewatering, making RCC or masonry wall pipe holes complete work.	3	Nos.			
114	Providing and fixing to the inlet mouth of rain water pipe FRP medium duty grating 15cm diameter or square size of cutting holes and making good the walls all complete.	154.29	Rmt.			
115	Providing fixing, testing and commissioning of SWR PVC PIPE TYPE-B(6Kg/cm ² .) self-fit pipe conforming to IS:13592 including all fittings such as bends, junctions, inspection doors, offsets, cowl, access pieces/plugs etc. jointing with PVC Adhesive joints including cutting holes in RCC or brick walls, floor and making good the same. (TERRACE RAIN WATER DOWN TAKE)					
	RAIN WATER: -					
a	160 mm dia.	154.29	Rmt.			
b	110 mm dia. (Vertical Drops)	771.43	Rmt.			
c	75 mm dia.	257.14	Rmt.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	INTERNAL & EXTERNAL COLD / HOT /DRINKING WATER SUPPLY:					
116	Providing and fixing UPVC-SCH-80 pipes with UPVC SCH-80 fittings UV stabilized and UPVC solution adhesive joints, having thermal stability for cold water supply including all UPVC plain joints and brass threaded joints fittings including fixing the pipe clamps at 1.0mtr in necessary with testing of all joints and pipes comp. as per Eng. in charge. (External Vertical Shaft Works + Terrace & Under Ground main line work) (Astral/ Supreme/Ashirvad Make)					
a	15 mm Dia	154.28	Rmt.			
b	20 mm Dia	257.14	Rmt.			
c	25 mm Dia	385.71	Rmt.			
d	32 mm Dia	385.71	Rmt.			
e	40 mm Dia	771.43	Rmt.			
f	50 mm Dia	771.43	Rmt.			
g	65 mm Dia	154.29	Rmt.			
h	80 mm Dia	103	Rmt.			
I	100 mm Dia	103	Rmt.			
	INTERNAL TOILET PIPING HOT AND COLD-WATER SUPPLY WORK:					
117	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC)SDR-11 pipes, having thermal stability for hot & cold-water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of engineer in charge. (Astral/ Ashirvad Make)					
a	15 mm Dia	387	Rmt.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
b	20 mm Dia	514	Rmt.			
c	25 mm Dia	386	Rmt.			
d	32 mm Dia	386	Rmt.			
e	40 mm Dia	386	Rmt.			
118	Supply, Installation, Testing and Commissioning of 25 mm dia. air release valve. (Zolotov/ Ausco/ R.B./ Spire)	108	Nos.			
119	Providing and fixing float valve with pressure type (Copper) float of approved make. (Zolotov/ Ausco/ R.B./ Spire) 25mm dia.	108	Nos.			
120	Supply, installation, testing and commissioning of Domestic Water meters horizontal inferential, single or multi jet, dry dial, suitable for 50 deg. C, duly sealed against tampering, complete with coupling conforming to Class B, IS 779-1994 (latest edition) or ISO 4064, readings in metric system. 40 mm dia.	124	Nos.			
	2 - DRYING AREA					
121	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C to required dry density including feeling the depuration which occur during the process using power roller 8T to 10T(E) from borrow area within All lead (more than 10 ton)	26669.47	Cu.M.			
122	Plant mix method (construction of granular sub base by providing close graded Material, mixing in a mechanical mix plant at Occurring of mixed material to work site spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401) For grading -II Material	5333.89	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
123	Suppling of graded stone aggregate of following sizes (for W.B.M road) (3) crushed stone aggregate for hard quality up to 63 mm size. Spreading the stone aggregate for rolling W.B.M including filling the interstices to required camber and gradient (excluding spreading of bandage) (iii)25mm to 50mm size crushed stone Suppling of course clean sharp sand at site. Spreading blindage or road crust filling the gaps in metal and levelling to camber and gradients as directed (ii)sand. Rolling and consolidate of soil including filling in depression which occur during the process, with power roller 8 tonne to 12 tonne	5333.89	Cu.M.			
124	Providing and laying controlled cement concrete M-100 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish and reinforcement for reinforced concrete work in :(a) Foundations, footings Bases of columns and the like and Mass concrete.	5333.89	Cu.M.			
125	Providing and laying cement concrete flooring M-200 RMC by using TREMIX system laid in one layer as per required level,slop and thickness of 250 mm with 32kg of RCH per/CMT concrete to be lade in alternate panels size approx 3.5m x5.0m with steel channel foam work leveling with surface vibrator finish the surface with power float and dowells.and Dewatering the floor with vacuum pump. light bluming on the surface as per directed and making construction join of size 10x40 mm by using of concrete cutter machine and ready mix bituminious filler of shalimar tar products .Making expantion joint with 32 mm dia,300 mm length	8889.82	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	steel covered with 40 mm dia PVC pipe with and cape placed 300 mm c/c covered with jute as per drawing					
126	Providing Thermo Mechanically Treated bar (T.M.T.) (I.S.I. Mark) conforming to I.S. - 1786 Fe - 500D for R.C.C. work including bending, binding and placing in position complete. All floor Level	147852.17	KG			
	PAVING AREA FOR LOADING-UNLOADING					
127	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C to required dry density including feeling the deportation which occur during the process using power roller 8T to 10T(E) from borrow area within all lead (more than 10 ton)	13069.87	Cu.M.			
128	Plant mix method (construction of granular sub base by providing close graded Materia, mixing in a mechanical mix plant at Occurring of mixed material to work site spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401) For grading -II Material	2613.98	Cu.M.			
129	Suppling of graded stone aggregate of following sizes (for W.B.M road) (3) crushed stone aggregate for hard quality up to 63 mm size. Spreading the stone aggregate for rolling W.B.M including filling the interstices to required camber and gradient (excluding spreading of blindage) (iii)25mm to 50mm size crushed stone Suppling of course clean sharp sand at site. Spreading blindage or road crust filling the gaps in metal and levelling to camber	2613.98	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	and gradients as directed (ii)sand. Rolling and consolidate of soil including filling in depression which occur during the process, with power roller 8 tonne to 12 tonne					
130	Providing and laying controlled cement concrete M-100 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish and reinforcement for reinforced concrete work in: (a) Foundations, footings Bases of columns and the like and Mass concrete.	3485.31	Cu.M.			
131	providing and fixing pre-cast rubber dye inter locking concrete block 80mm thick with grade of concrete M250 pneumatic compressed by mechanically pressed and art level in and filling the joints pe approved design including 75mm sand layer for with sand in proper line and level etc complete (Vyara Make)	17426.53	Sq.M			
	4 - AUCTION SHED-2 (13.5mX73.13m)					
132	Excavation for foundation up to 1.50 Mt depth including sorting out and stacking of useful materials and disposing the excavated stuff up to 50 Mt lead (A) Loose or soft soil (EXECUTED WITH MECHANISED EFFORTS MACHINARIES)	574.32	Cu.M.			
133	providing and laying aveg.0.30mm thick layer of 60-40mm size metals and grit /sand with watering, compacting, levelling rolling as per directed	1579.62	Cu.M.			
134	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C to required dry density including	5331.18	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	feeling the deportation which occur during the process using power roller 8T to 10T(E) from borrow area within 3.0KM lead (more than 10 ton)					
135	Filling in foundation and plinth with sand in layers of 20 cm. Thickness including watering ramming and consolidating etc. complete.	1579.62	Cu.M.			
136	Caring out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistent with I.S.I specification. Using Chlordane and Chiorpurfiles 20 EC. As Per 6131_paret-II Concentration Weight one percent is recommended i.e. one litre 20 EC chemical emulsion with 19 Liter give 1 % concentration inclusive of one litre chemical emulsion application at the rate of 5 Litre chemical / Sqm of surface is recommended as per IS	5265.36	Sq.M			
137	Providing and laying controlled cement concrete M-100 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish and reinforcement for reinforced concrete work in: (a) Foundations, footings Bases of columns and the like and Mass concrete.	564.84	Cu.M.			
138	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.	35.04	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
139	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.	64.26	Cu.M.			
140	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars posts and struts G. FLOOR	49.38	Cu.M.			
141	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.	18.60	Cu.M.			
142	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in BEAMS Ground Floor	136.98	Cu.M.			
143	Providing Thermo Mechanically Treated bar (T.M.T.) (I.S.I. Mark) conforming to I.S. - 1786 Fe - 500D for R.C.C. work including bending, binding and placing in position complete. All floor Level	55818.00	Kg.			
144	Providing and laying cement concrete flooring M-200 RMC by using TREMIX system laid in one layer as per required level, slop and thickness of 100 mm	1184.70	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	with 32kg of RCH per/Cu.M concrete to be laid in alternate panels size approx. 3.5m x5.0m with steel channel foam work levelling with surface vibrator finish the surface with power float and dowels' Dewatering the floor with vacuum pump. light blooming on the surface as per directed and making construction join of size 10x40 mm by using of concrete cutter machine and ready-mix bituminous filler of Shalimar tar products.					
145	Providing and fabricating on site as per architectural drawing of TATA RHS/SHSsection. Junction shall be welded joints as required with good quality of electrodes.	93024	Kg.			
146	Applying primer coat over new steel and other metal surface after including preparing the surface by thoroughly cleaning, oil grease, dirt and other foreign matter and scoured with brushes fine wool, scraper and sand paper with ready mix priming paint brushing red lead. Painting two coats on new steel and other metal surface with synthetic enamel paint brushing to given shade including the surface of all dirt, dust and foreign matter.	2692.14	Sq.M			
147	The structure should be fixed to ground HAV anchor ER M20 x170 x108mm Dia ER-SS rod with HVU, chemical capsule as per manufacturer specification and company authorize applicator in concrete. The contractor has to give minimum 5 pull out test.	816	No			
148	The sheet made out of coloured galvalume 0.5mm TCT as per ASTM A792 (M) grade 80, manufactured broil (HISPAN PROFILE) 1m width, pitch off 250mm and RIB HT.35mm with 3minimum RIB at centre and	6309.78	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	Capillary grooves Curved sheet be fixed with SDST screw of Hilti (5.5-24x65) make with suitable washer 5 nos. On Creast fixed on purlin.					
149	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in/ on surface on wall/ceiling complete with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D. Connector as directed.	204	No			
150	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling complete with 6A Modular type switch and hum free EME four or more step type electronic fan regulator with separately mounted and accessories with earth continuity of following type erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D. Connector as directed. (a) with medium class Rigid PVC pipe and accessories	204	No			
151	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC	204	No			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	insulated multistrand copper wires, in following type of to be erected concealed in / on surface of wall / ceiling complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[II] For 16A Plug with 2-1.5 sq.mm Cu. Wire (a) with medium class Rigid PVC pipe and accessories Cat III					
152	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (a) with medium class Rigid PVC pipe and accessories (b) 2 wire 2.5 sq. mm	600	Mtr.			
153	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following Dia of pipes, in approved manner as directed (a)20 mm	600	Mtr.			
154	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC / Metallic concealed/open box with single mounting base frame covered with textured/metallic /white front plate, modules erected with necessary connections as directed 1 no. 6A/16A universal plug-switch combined. 3 nos. 6A Switch 3 nos. 6A 5 pin Plug For Modular Type Accessories	204	No			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
155	Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate, modules erected with necessary connection. As desired by Engineer In charge (4) TV Co-axial Socket outlet	204	No			
156	Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 1Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminium housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses with company mark/name engraved or embossed 120 to 300 V,Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K, Uniformity ratio >0.45, Luminaire efficacy> 100 lumens/watt . LED driver efficiency > 85 %. CREE / OSRAM / PHILIPS Lumileds / NICHIA / SEOUL/ Bridgelux (U.S.A.) make LED used for luminaire. (fittings required LM-79 & LM-80 certificates) (NOTE: Below description have shown ranges of Wattage capacity of LED fittings. The Engineer in charge may select any wattage capacity between the ranges shown.) (A) Street Light (IP-65), Surge protection -4KV integral and 10 kv non integral, Light must have 440VAC line supply protection. It should withstand 48 hours for 440VAC line supply. (c) above 24 to 36 watts	204	No			
	5 - CCTV					
157	Supply, Installation, Testing & Commissioning of IP Network IR Dome Camera, 1/2.8" CMOS,	50	No			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	2 MP, Min. Illumination required 0.05lux F1.4 colour, 0Lux F1.4(IR on), 120dB True WDR, Min. Pixels 1920 × 1080, min. dual stream, 2.7–12 mm motorized focus & zoom lens, BLC, HLC, 3DNR, Privacy Mask, IR LEDs Smart IR with up to 30m IR distance, 128GB SD card support, H.265, H.264 High Profile and MJPEG, PoE Class 3 and 12V DC, IP 66, IK10 rated vandal resistant, Having Operating temp range : –30°C to 60° C. ONVIF Profile, cyber secured, UL, CE, FCC & RoHS certified. Approved Make: Honeywell, Bosch, Axis					
158	Supply, Installation, Testing & Commissioning of IP Network IR Bullet Camera, 1/2.8" CMOS, 2 MP, Min. Illumination required 0.05lux F1.4 colour, 0Lux F1.4(IR on), 120dB True WDR, Min. Pixels 1920 × 1080, min. dual stream, 2.7–12 mm motorized focus & zoom lens, BLC, HLC, 3DNR, Privacy Mask, IR LEDs Smart IR with up to 60m IR distance, 128GB SD card support, H.265, H.264 High Profile and MJPEG, PoE Class 3 and 12V DC, IP 66, Metal Body, Having Operating temp range : –30°C to 60° C. ONVIF Profile, cyber secured, UL, CE, FCC & RoHS certified. Approved Make: Honeywell, Bosch, Axis	70	No			
159	Supply, Installation, Testing and Commissioning of 64 Channel NVR With 1080p Realtime Live View H.265/H.264 MJPEG dual codec decoding Up to 12 MP resolution preview & playback Max 320 Mbps incoming bandwidth support 8 SATA HDDs up to 64TB, Supports fisheye video de-warping in local and web user interface, Supports visual or auditory notifications (a	2	No			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	flashing light, bell, or siren). ONVIF compliant, UL, CE, FCC and & RoHS compliant. Approved Make: Honeywell, Bosch, Axis					
160	Supply, Installation, Testing and Commissioning of Storage on 2 MP 25 Fps And H.265 for 30 Days Approved Make: WD/Seagate	1	No			
161	Supply, Installation, Testing and Commissioning of 55" Full HD LED with slim narrow bezel, 1920 × 1080 resolution, Brightness: 500 cd/m ² , Bezel to bezel distance: max. 3.5mm with wall mount arrangement as per specifications Approved Make: Samsung, LG, Panasonic	2	No			
162	Supply, Installation, Testing and Laying of 25 mm Dia MMS PVC Conduit with all required accessories. Approved Make: Vraj, Nihir, Precession	7200	Rmt.			
163	Supply and laying of UTP CAT6 LSZH cable in pre-laid PVC conduits / pipes / raceway, but without the cost of raceway or pipe. CCTV System Cabling Approved Make: Tyco, Corning, Digisol	7200	Rmt.			
164	Supply, Installation, Testing & Commissioning of CAT6 UTP RJ-45 LSZH Patch Cords Solid Conductor 3ft for data (Hub Side)-Data Approved Make: Tyco, Corning, Digi sol	120	No			
165	Supply, Installation, Testing & Commissioning of CAT6 UTP RJ-45 LSZH Patch Cords Solid Conductor 7ft for Data (User Side)-Data Approved Make: Tyco, Corning, Digi sol	120	No			
166	Supply, Installation, Testing & Commissioning of Single UTP CAT6 RJ-45 I/O of specified make inclusive of termination of CAT6 cable at each IO at	120	No			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	workstation area / device / desktop/Data Approved Make: Tyco, Corning, Digi sol					
167	Supply, Installation, Testing & Commissioning of Singlex Face Plate for mounting IO with required back box as per tender specification. Approved Make: Tyco, Corning, Digisol	120	No			
168	Supply, Installation, Testing & Commissioning of Duplex faceplate for mounting IO with required back box as per tender specification. Approved Make: Tyco, Corning, Digisol	0	No			
169	Supply, Installation, Testing & Commissioning of loaded UTP CAT6 Gigabit modular Patch Panel for 24 ports in 1U form factor as per the tender specifications, with universal A/B labelling on rear of panel allowing for quick and easy installation of 22 to 24 AWG cable. -Data includes Computer Point, CCTV. Approved Make: Tyco, Corning, ,Digi sol	11	No			
170	Supply, Installation, Testing & Commissioning of 6-core Outdoor Cable - Corrugated Steel tape Armoured, Loose-tube, Uni tube, Gel-filled, 9/125 Single Mode OS2 Fiber Cabel where ever required in prelaaid conduits / RCC Hume pipes/HDPE/DWC, whichever maybe available. Approved Make: Tyco, Corning, Digisol	1000	Rmt.			
171	Supply, Installation, Testing & Commissioning of 19-inch 12 Port LIU, rack mount patch panel, 1U, loaded with 2 X 6 Ports Adaptor Connector Panel & with Splice Tray, inclusive of all mechanical accessories without pigtail. Approved Make: Tyco, Corning, Digisol	11	Rmt.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
172	Supply, Installation, Testing & Commissioning of LC-LC single mode duplex fibre optic patch cord 3mtr as per tender specification. Approved Make: Tyco, Corning, Digisol	22	No			
173	Supply, installation, testing and commissioning of Layer 2 networking switch, 24 # 10/100/1000 Port Network Switch, copper ethernet 24 port, PoE+ 370W, IEEE 802.3at-compliant, min. 4 shared mini-GBIC/SFP ports suitable for single/multi-mode fibre optics based, supporting transceivers up to 2000mtrs. Approved Make: Net gear, HP, Cisco	11	No			
174	Supply, Installation, Testing & Commissioning of 1G SFP Transceiver for Single Mode Fiber for Access switch as per tender specification. Approved Make: Net gear, HP, Cisco	22	No			
	6 - LOADING SHED-1 (12.0mX73.13m)					
175	Excavation for foundation up to 1.50 Mt depth including sorting out and stacking of useful materials and disposing the excavated stuff up to 50 Mt lead (A) Loose or soft soil (EXECUTED WITH MECHANISED EFFORTS MACHINARIES)	95.72	Cu.M.			
176	Providing and laying aveg.0.30 Mt thick layer of 60-40mm size metals and grit /sand with watering, compacting, levelling rolling as per directed	263.27	Cu.M.			
177	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C to required dry density including feeling the depression which occur during the process using power roller 8T	789.80	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	to 10T(E) from borrow area within all lead (more than 10 ton)					
178	Filling in foundation and plinth with sand in layers of 20 cm. Thickness including watering ramming and consolidating etc. complete.	263.27	Cu.M.			
179	Carrying out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistent with I.S.I specification. Using Chlordane and Chiorpurfiles 20 EC. As Per 6131_paret-II Concentration Weight one percent is recommended i.e. one litre 20 EC chemical emulsion with 19 Liter give 1 % concentration inclusive of one litre chemical emulsion application at the rate of 5 Litre chemical / Sqm of surface is recommended as per I. S	877.56	Sq.M.			
180	Providing and laying controlled cement concrete M-100 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish and reinforcement for reinforced concrete work in :(a) Foundations, footings Bases of columns and the like and Mass concrete	94.14	Cu.M.			
181	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.	5.84	Cu.M.			
182	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with	10.71	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.					
183	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars posts and struts G. FLOOR	8.23	Cu.M.			
184	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.	3.10	Cu.M.			
185	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in BEAMS Ground Floor	22.83	Cu.M.			
186	Providing Thermo Mechanically Treated bar (T.M.T.) (I.S.I. Mark) conforming to I.S. - 1786 Fe - 500D for R.C.C. work including bending, binding and placing in position complete. All floor Level	9303.00	Kg.			
187	Providing and laying cement concrete flooring M-200 RMC by using TREMIX system laid in one layer as per required level, slop and thickness of 100 mm with 32kg of RCH per/CMT concrete to be laid in alternate panels size approx. 3.5m x5.0m with steel channel foam work	175.91	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	levelling with surface vibrator finish the surface with power float and dowels' Dewatering the floor with vacuum pump. light blooming on the surface as per directed and making construction join of size 10x40 mm by using of concrete cutter machine and ready-mix bituminous filler of Shalimar tar products.					
188	Providing and fabricating on site as per architectural drawing of TATA RHS/SHS section. Junction shall be welded joints as required with good quality of electrodes.	15354	Kg.			
189	Applying primer coat over new steel and other metal surface after including preparing the surface by thoroughly cleaning, oil greedier and other foreign matter and scoured with brushes fine wool, scraper and sand paper with ready mix priming paint brushing red lead. Painting two coats on new steel and other metal surface with nonthetic enamel paint brushing to given shade including the surface of all dirt, dust and foreign matter	448.46	Sq.M			
190	The structure should be fixed to ground HAV anchor ER M20 x170 x108mm Dia ER-SS rod with HVU, chemical capsule as per manufacturer specification and company authorize applicator in concrete. The contractor has to give minimum 5 pull out test.	136	No			
191	The sheet made out of coloured galvalume 0.5mm TCT as per ASTM A792 (M) grade 80, manufactured broil (HISPAN PROFILE) 1m width, pitch off 250mm and RIB HT.35mm with 3minimum RIB at centre and Capillary groves Curved sheet be fixed with SDST screw of Hilti (5.5-24x65) make with suitable washer 5 nos.	969.11	Sq.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	On Creast fixed on purlin.					
192	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in/ on surface on wall/ceiling complete with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D. Connector as directed.	34	No			
193	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV Grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling complete with 6A Modular type switch and hum free EME four or more step type electronic fan regulator with separately mounted and accessories with earth continuity of following type erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D. Connector as directed. (a) with medium class Rigid PVC pipe and accessories	34	No			
194	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper	34	No			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	wires, in following type of to be erected concealed in / on surface of wall / ceiling complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[II] For 16A Plug with 2-1.5 sq.mm Cu. Wire (a) with medium class Rigid PVC pipe and accessories Cat III					
195	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (a) with medium class Rigid PVC pipe and accessories (b) 2 wire 2.5 sq. mm	100	Mtrs.			
196	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following Dia of pipes, in approved manner as directed (a)20 mm	100	Mtrs.			
197	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC / Metallic concealed/open box with single mounting base frame covered with textured/metallic /white front plate, modules erected with necessary connections as directed 1 no. 6A/16A universal plug-switch combined. 3 nos. 6A Switch 3 nos. 6A 5 pin Plug For Modular Type Accessories	34	No			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
198	Providing following type of Modular Type Accessories mounted with PVC/ metallic box, single mounting base frame covered with textured / metallic front plate, modules erected with necessary connection. As desired by Engineer In charge (4) TV Co-axial Socket outlet	34	No			
199	Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 1Watt and above assembled on single MCPCB, efficiency more than 122 lm/w and corrosion free High pressure die cast aluminium housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses with company mark/name engraved or embossed 120 to 220 V,Power Factor more than 0.95, THD < 22 %, CCT 2200 K to 5700K, Uniformity ratio >0.45, Luminaire efficacy> 220 lumens/watt . LED driver efficiency > 85 %. CREE / OSRAM / PHILIPS Lumileds / NICHIA / SEOUL/ Bridgelux (U.S.A.) make LED used for luminaire. (fittings required LM-79 & LM-80 certificates) (NOTE: Below description have shown ranges of Wattage capacity of LED fittings. The Engineer in charge may select any wattage capacity between the ranges shown.) (A) Street Light (IP-65), Surge protection -4KV integral and 22 kv non integral, Light must have 440VAC line supply protection. It should withstand 48 hours for 440VAC line supply. (c) above 24 to 36 watts	34	No			
	7 - AUCTION SHED-1 (12.0mX73.13m)					

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
200	Excavation for foundation up to 1.50 Mt depth including sorting out and stacking of useful materials and disposing the excavated stuff up to 50 Mt lead (A) Loose or soft soil (EXECUTED WITH MECHANISED EFFORTS MACHINARIES)	95.72	Cu.M.			
201	providing and laying aveg.0.30 Mt thick layer of 60-40mm size metals and grit /sand with watering, compacting, levelling rolling as per directed	263.27	Cu.M.			
202	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C to required dry density including feeling the depression which occur during the process using power roller 8T to 10T(E) from borrow area within all lead (more than 10 ton)	789.80	Cu.M.			
203	Filling in foundation and plinth with sand in layers of 20 cm. Thickness including watering ramming and consolidating etc. complete.	263.27	Cu.M.			
204	Carrying out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistent with I.S.I specification. Using Chlordane and Chiorpurfiles 20 EC. As Per 6131_paret-II Concentration Weight one percent is recommended i.e. one litre 20 EC chemical emulsion with 19 Liter give 1 % concentration inclusive of one litre chemical emulsion application at the rate of 5 Litre chemical / Sqm of surface is recommended as per I. S	877.56	Sq.M.			
205	Providing and laying controlled cement concrete M-100 RMC and curing complete including	94.14	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	the cost of formwork with sheathing steel sheets so as to give a fair finish and reinforcement for reinforced concrete work in :(a) Foundations, footings Bases of columns and the like and Mass concrete.					
206	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.	5.84	Cu.M.			
207	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.	10.71	Cu.M.			
208	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars posts and struts G. FLOOR	8.23	Cu.M.			
209	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.	3.10	Cu.M.			
210	Providing and laying controlled cement concrete M-200 RMC and curing complete including	22.83	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in BEAMS Ground Floor					
211	Providing Thermos Mechanically Treated bar (T.M.T.) (I.S.I. Mark) conforming to I.S. - 1786 Fe - 500D for R.C.C. work including bending, binding and placing in position complete. All floor Level	9303.00	Kg.			
212	Providing and laying cement concrete flooring M-200 RMC by using TREMIX system laid in one layer as per required level, slop and thickness of 100 mm with 32kg of RCH per/CMT concrete to be laid in alternate panels size approx. 3.5m x5.0m with steel channel foam work levelling with surface vibrator finishes the surface with power float and dowels' Dewatering the floor with vacuum pump. light blooming on the surface as per directed and making construction join of size 10x40 mm by using of concrete cutter machine and ready-mix bituminous filler of Shalimar tar products.	175.91	Cu.M.			
213	Providing and fabricating on site as per architectural drawing of TATA RHS/SHS section. Junction shall be welded joints as required with good quality of electrodes.	15354	Kg.			
214	Applying primer coat over new steel and other metal surface after including preparing the surface by thoroughly cleaning, oil greedier and other foreign matter and scoured with brushes fine wool, scraper and sand paper with ready mix priming paint brushing red lead. Painting two coats on new steel and other metal surface with nonthetic enamel paint brushing to given shade including the surface of all	448.46	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	dirt, dust and foreign matter.					
215	The structure should be fixed to ground HAV anchor ER M20 x170 x108mm Dia ER-SS rod with HVU, chemical capsule as per manufacturer specification and company authorize applicator in concrete. The contractor has to give minimum 5 pull out test.	136	No			
216	The sheet made out of coloured galvalume 0.5mm TCT as per ASTM A792 (M) grade 80, manufactured by CRIL (HISPAN PROFILE) 1m width, pitch off 250mm and RIB HT.35mm with 3minimum RIB at centre and Capillary grooves Curved sheet be fixed with SDST screw of Hilti (5.5-24x65) make with suitable washer 5 nos. On Creast fixed on purlin.	969.11	Sq.M.			
217	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in/ on surface on wall/ceiling complete with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / Hedonometer as directed.	34	Nos.			
218	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling	34	Nos.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	complete with 6A Modular type switch and hum free EME four or more step type electronic fan regulator with separately mounted and accessories with earth continuity of following type erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D. Connector as directed. (a) with medium class Rigid PVC pipe and accessories					
219	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of to be erected concealed in / on surface of wall / ceiling complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[II] For 16A Plug with 2-1.5 sq.mm Cu. Wire (a) with medium class Rigid PVC pipe and accessories Cat III	34	Nos.			
220	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (a) with medium class Rigid PVC pipe and accessories (b) 2 wire 2.5 sq. mm	100	Mtrs.			
221	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution &	100	Mtrs.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	Clamps with following Dia of pipes, in approved manner as directed (a)20 mm					
222	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC / Metallic concealed/open box with single mounting base frame covered with textured/metallic /white front plate, modules erected with necessary connections as directed 1 no. 6A/16A universal plug-switch combined. 3 nos. 6A Switch 3 nos. 6A 5 pin Plug For Modular Type Accessories	34	Nos.			
223	Providing following type of Modular Type Accessories mounted with PVC / metallic box, single mounting base frame covered with textured / metallic front plate, modules erected with necessary connection. As desired by Engineer In charge (4) TV Co-axial Socket outlet	34	Nos.			
224	Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 1Watt and above assembled on single MCPCB, efficiency more than 122 lm/w and corrosion free High pressure die cast aluminium housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses with company mark/name engraved or embossed 120 to 220 V, Power Factor more than 0.95, THD < 22 %, CCT 2200 K to 5700K, Uniformity ratio >0.45, Luminaire efficacy> 220 lumens/watt . LED driver efficiency > 85 %. CREE / OSRAM / PHILIPS Lumileds / NICHIA / SEOUL/ Bridgelux (U.S.A.) make LED used for	34	Nos.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	luminaire. (fittings required LM-79 & LM-80 certificates) (NOTE: Below description have shown ranges of Wattage capacity of LED fittings. The Engineer in charge may select any wattage capacity between the ranges shown.) (A) Street Light (IP-65), Surge protection -4KV integral and 22 kv non integral, Light must have 440VAC line supply protection. It should withstand 48 hours for 440VAC line supply. (c) above 24 to 36 watts					
	8 - PUBLIC ADDRESS SYSTEM					
	SITC of UL 60065 compliant IP Based Digital Public Address & Voice Alarm system. The selected system devices like controllers and Paging Microphones, should use the TCP/IP technologies and build on the standard network platform to ensure expandability.					
225	SITC of 8 zone IP based, digital Voice Alarm controller expandable up to 128 zones. The voice alarm controller should be able to connect directly over Ethernet. It should have functions like the audio playing, zone control, fault monitoring, log recording, volume control and amplifier switchover. The Voice alarm controller should also have the following functions: .255 Priorities . Time schedule broadcasts . AVC .Capable of amplifier redundancy .8 trigger inputs/outputs Approved Makes: Honeywell X-618, Bosch Prasanna, Ateis	5	Nos.			
226	SITC of IP based Networkable 4-inch touch screen paging station for selection of zones, supervision of system status,	2	Nos.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	setting of scheduled broadcasts with the following functions: . Built-in monitoring loudspeaker . Detachable goose-neck microphone • Play Audio Files from USB Disk • Voice Synthesis • Timing Broadcast Function . LCD touchscreen display • Audio Prerecord & Broadcast Approved Makes: Honeywell X-618, Bosch Prasanna, Ateis					
227	SITC of 1X500W Class-D Amplifier with 2 independent channels and can provide automatic re-settable overcurrent, overload, overheating, overvoltage, under-voltage and DC protection Approved Makes: Honeywell X-618, Bosch Prasanna, Ateis	5	Nos.			
228	SITC of 6W Ceiling Speaker with max SPL1M/1W 96dB. Frequency response of 80Hz-20KHz with a dispersion angle of 160 deg. The speaker should have tapings at 6W/3W Approved Makes: Honeywell X-618, Bosch Prasanna, Ateis	50	Nos.			
229	SITC of 15W Horn Speaker (IP66) with max SPL1M/1W 110dB. Frequency response of 500Hz-5KHz with a dispersion angle of 140 deg. The speaker should have tapings at 15W/7.5W Approved Makes: Honeywell X-618, Bosch Prasanna, Ateis	40	Nos.			
230	SITC of integrated Audio source with the following features: • Two single CD\USB\SD and DAB\FM line outputs can play music applications in two areas. • The volumes of the two-line outputs can be adjusted separately. • CD\USB\SD has three play modes: single play, all play and repeated play. • DAB\FM can preset 10	40	Nos.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	channels of programs. • RS485 remote control interface Approved Makes: Honeywell X-618, Bosch Prasanna, Ateis					
231	Supply and Laying of 2 Core X 1.5 Sq.mm FRLS Multistrand PVC insulated Copper armoured RED cable with all required accessories. Approved Makes: Caliplast, Polycab, RR Cable	2000	Mtr.			
	9-WEIGH BRIDGE					
232	Electronic weighbridge with platform (pit type model) six 52x10 ft. 100 MT capacity, 450 mm gadder, 250 mm gadder, plate thickness 12mm, approximate weight of structure (10000 to 10500 kg) including installation testing, commissioning stamping by government and measure department, transportation etc. System with high speed embedded micro controller built in auto zero maintenance, digital calibration, digital filter, real time clock, display 2x6 digits, 7 seg display or 1/16-character dot metric display. input data entry of IBM compatible PC keyboard by parallel printer, standard alphanumeric key board for entry of data, capacity safe over load 150% of the rated capacity, breaking load 300% of the rated capacity, safe temperature 0 to 65 degree Celsius, degree of protection IP 68 type with inbuilt lighting protection etc.	1	Nos.			
	10 - 100 TON WEIGH BRIDGE CABIN					
233	Excavation for foundation up to 1.50 Mt depth including sorting out and stacking of useful materials and (EXECUTED WITH MECHANISED EFFORTS MACHINARIES)	33.45	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
234	Providing and laying controlled cement concrete M-100 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish and reinforcement for reinforced concrete work in: (a) Foundations, footings Bases of columns and the like and Mass concrete	0.72	Cu.M.			
235	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish and reinforcement for reinforced concrete work in: (a) Foundations, footings Bases of columns and the like and Mass concrete	1.80	Cu.M.			
236	Providing and laying controlled cement concrete M-250 RMC EXPOSED WORK and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Columns, (iii)having cross sectional area more than 0.12 Sq.M and up to 0.18 Sq.M	0.52	Cu.M.			
237	Providing and laying controlled cement concrete M-250 RMC EXPOSED WORK and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in BEAMS (III) having cross sectional area more than 0.12 SMT and up0.18 Smt Ground Floor	0.99	Cu.M.			
238	Providing and laying controlled cement concrete M-200 RMC EXPOSED WORK and curing complete including the cost of formwork with sheathing steel	23.08	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in WALL 0.20 m thick					
239	Providing and laying controlled cement concrete M-200 RMC EXPOSED WORK and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in (IV) SLABS having more than 13 Cm and up to 15 Cm thick	1.12	Cu.M.			
240	Filling foundation and plinth with murrum or selected soil in layer of 20 cm in thickness including ramming watering and consolidating etc. complete	29.14	Cu.M.			
241	Filling in foundation and plinth with sand in layers of 20 cm. Thickness including watering ramming and consolidating etc. complete.	1.94	Cu.M.			
242	Carrying out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistent with I.S.I specification. Using Chlordane and Chiorpurfiles 20 EC. As Per 6131_paret-II Concentration Weight one percent is recommended i.e. one litre 20 EC chemical emulsion with 19 litter give 1 % concentration inclusive of one litre chemical emulsion application at the rate of 5 Litre chemical / Sqm of surface is recommended as per I. S	11.15	Sq.M.			
243	Providing Thermo Mechanically Treated bar (T.M.T.) (I.S.I. Mark) conforming to I.S. - 1786 Fe - 500D for R.C.C. work including bending, binding and placing in position complete. All floor Level	718.95	Kg			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
244	Providing cement vata (10cm. x 10 cm. size) quarter round in cement mortar 1:1 including neat cement finishing, watering etc. complete.	13.87	Rmt.			
245	Providing and laying 600 mm x 600mm vitrified 9 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with colour cement slurry including finished with flush pointing & cleaning the surface etc. complete (VERMORA TULIP IVORY-GL)	9.71	Sq.M			
246	Providing and laying vitrified tiles 9 mm thick, 600 x 100 in skirting risers of steps and dado on 10mm thick cement plaster 1:3 (1-cement: 3-coarse sand) and jointed with white cement slurry (VERMORA TULIP IVORY-GL)	0.86	Sq.M			
247	Providing and laying water proofing treatment with China mosaic tiles flooring over avg 40 mm C.C. 1:2:4 {1 Cement : 2 sand : 4 Kapachi / Grit 6 to 12 mm size} or BBCC of old bricks bats bedding for maintaining slope for plain and curve surface & 12 mm to 20 mm of broken piece of ceramic / glazed tiles (one for more colour as directed) to be laid over cement mortar bedding of C M 1:3 (1 cement : 3 sand) contain one Kg of water proofing materials per bag of O P C at plain or / and slops and to be tempered to bring mortar ceramic up to surface with using white cement and colour pigment including rounding of junctions and extending them up to 15 cm along the wall and curing with bends any patterns or design as per drawing and cleaning by using oxalic acid etc complete.	11.15	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
248	Applying two coats of Birla or Asian acrylic lappy (putty) and two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	43.71	Sq.M			
249	Providing and fixing window having extruded aluminium Colour Powder Coated section frame main outer size 63.50 x 38.10 x 1.95 mm (of Jindal Section no:4605, @ Wt. 1.094 Kg / Rmt), horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm (of Jindal Section no: 8687 @ wt. Of 0.695 Kg/Mt), vertical member of size 61.85 mm x 31.75mm x 1.30 mm (of Jindal Section no:8758 @ wt. Of 0.0.659 Kg/Mt) with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section no:8949 @ wt. Of 0.456Kg/Mt), vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section no:8947 @ wt. Of 0.456Kg/Mt/ Section 8948, @ Wt. 0.457 Kg/Mt) with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminium fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.	3.72	Sq.M			
250	Extra for providing formwork for exposed concrete surface in desired pattern, grooves, bolting pattern and size using laminated shuttering plywood including neat cleaning the exposed concrete surface, as directed by the architect for all RCC works of any space and size horizontal vertical and slanting, curved surface etc, complete	88.56	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
251	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 12 cm x 7 cm. size including anodized aluminium fixtures and fastenings including Polishing with French polish on new wood and wood-based surface to give an even surface including cleaning, the surface of all dirt, dust and sand papering smooth and including a coat of wood filler (ii) Fully Panelled	2.6	Sq.M			
252	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in/ on surface on wall/ceiling complete with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed.	5	Nos			
253	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling complete with 6A Modular type switch and hum free EME four or more step type electronic fan regulator with separately mounted and accessories with earth continuity of following type erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on /	1	Nos			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D. Connector as directed. (a) with medium class Rigid PVC pipe and accessories					
254	Point wiring for Two Way Controlled Light Point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of. ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires erected in below type of pipe with 6A Modular type switches and following type of accessories erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary batten/angle holder or ceiling rose or H.D. Connector as directed. (a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete	1	Nos			
255	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of to be erected concealed in / on surface of wall / ceiling complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories.[II] For 16A Plug with 2-1.5 sq.mm Cu. Wire (a) with medium class Rigid PVC pipe and accessories Cat III	5	Nos			
256	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC	50	Mtrs.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	insulated stranded wire of green colour for earth continuity of following size (a) with medium class Rigid PVC pipe and accessories (b) 2 wire 1.5 sq. mm					
257	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (a) with medium class Rigid PVC pipe and accessories (b) 2 wire 2.5 sq. mm	25	Mtrs.			
258	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following Dia of pipes, in approved manner as directed (a)20 mm	50	Mtrs.			
259	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC / Metallic concealed/open box with single mounting base frame covered with textured/metallic /white front plate, modules erected with necessary connections as directed 1 no. 6A/16A universal plug-switch combined. 3 nos. 6A Switch 3 nos. 6A 5 pin Plug For Modular Type Accessories	2	Nos			
260	Providing following type of Modular Type Accessories mounted with PVC / metallic box, single mounting base frame covered with textured / metallic front plate, modules erected with necessary connection. As desired by Engineer In charge (4) TV	1	Nos			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	Co-axial Socket outlet					
261	Providing following type of Modular Type Accessories mounted with PVC / metallic box, single mounting base frame covered with textured / metallic front plate, modules erected with necessary connection. As desired by Engineer In charge (3) Two Pin/RJ-11 Telephone Socket One Gang	1	Nos			
262	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, confirming to IS 13032 and BS 5486-1986 without MCB to house appropriate nos. of MCBs. (The DBs should be used of same company of MCB to be used) (A) single phase incoming and horizontal single-phase outgoing (b) sheet steel double door (IP-43) (iv)12 way	1	Nos			
263	Approved make ELCBs / RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 6 KA and suitable for operation on single phase 240 V. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed (ii) 40Amps. DP	1	Nos			
264	Providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark	1	Nos			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
265	Supplying & erecting fan hook box of 10 mm M.S. round bar bounded to the RCC bars up to 50mm length each side and pierced through a 16 Gauge M.S. box / Heavy Duty PVC box complete erected concealed in Ceiling with necessary finishing.	1	Nos			
266	Providing 2. 5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	1	Nos			
267	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate, modules erected with necessary connections as per site situation directed by Engineer In charge. (8) Computer RJ-45 socket	5	Nos			
268	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/aluminium pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body with company mark/name 120 to 300 V,Power Factor more than 0.9, THD < 10 %, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt ,LED efficiency 110 lumens/watt. LED driver efficiency > 85 % CREE / OSRAM / PHILIPS Lumileds / NICHIA / SEOUL/Bridgelux make LED used for luminaire. (fitting required LM-79 & LM-80 Certificates) (NOTE: Below description have shown ranges of Wattage capacity of LED fittings. The Engineer in charge may select any wattage capacity between the ranges shown.) (D)	6	Nos			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	LED Panel Light with provision for Plane front frame with translucent cover fixed to housing complete. IP20 (f) 36 watts, 24" x 24" mm, Surge-2KV					
	11 - 100 TON WEIGH BRIDGE					
269	Excavation for foundation up to 1.50 Mt depth including sorting out and stacking of useful materials and disposing the excavated stuff up to 50 Mt lead (A) Loose or soft soil (EXECUTED WITH MECHANISED EFFORTS MACHINARIES)	19.71	Cu.M.			
270	Supplying of graded stone gitted of following sizes (for W M M road) 2 hand broken stone aggregate for hard quality up to 63 mm size spreading the stone aggregate for rolling and W.M.M including filling the interstices to required camber and gradient (excluding spreading of blindage) (iii)25mm to 50mm size crushed stone spreading blindage for road crust filling the gaps in metal and levelling to camber and gradient as directed9ii) sand rolling and consolidation of soling including filling and depression which occur during the process with power roller 8 tonne to 12 tonne.	14.80	Cu.M.			
271	Providing and laying controlled cement concrete M-100 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish and reinforcement for reinforced concrete work in :(a) Foundations, footings Bases of columns and the like and Mass concrete.	12.27	Cu.M.			
272	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish and reinforcement for reinforced	6.55	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	concrete work in : (a) Foundations, footings Bases of columns and the like and Mass concrete.					
273	Providing and laying controlled cement concrete M-200 RMC EXPOSED WORK and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Wall for Ground Floor	1.33	Cu.M.			
274	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in SLABS for Ground Floor	4.90	Cu.M.			
275	Providing Thermo Mechanically Treated bar (T.M.T.) (I.S.I. Mark) conforming to I.S. - 1786 Fe - 500D for R.C.C. work including bending, binding and placing in position complete. All floor Level	634	KG			
276	Supplying fabricating, erecting, aligning & fixing in proper position 40mm x 40mm, 12mm thick M S plate, 19mm Dia 4 holes as per drawing and 19mm Dia bolt of 300mm length etc. complete at site. Rate shall include for supplying all materials such as ISI Market rate mark welding rods, bolts, nuts, etc and like labour for the work of straightening, cutting, drilling holes, necessary plants / equipment's for assembling, bolting welding, erecting, etc. complete as directed. Measurement of steel shall be on the basis of Smt Area As per drawing length of this sections as per drawing and standard weight as per ISI code	190.13	KG			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	12 - TRIMIX ROAD					
277	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C to required dry density including feeling the depression which occur during the process using power roller 8T to 10T(E) from borrow area within All lead (more than 10 ton)	3903.47	Cu.M.			
278	Plant mix method (construction of granular sub base by providing close graded material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401) For grading -II Material	2387.80	Cu.M.			
279	Suppling of graded stone aggregate of following sizes (for W.B.M road) (3) crushed stone aggregate for hard quality up to 63 mm size. Spreading the stone aggregate for rolling W.B.M including filling the interstices to required camber and gradient (excluding spreading of blindage) (iii)25mm to 50mm size crushed stone Suppling of course clean sharp sand at site. Spreading blindage or road crust filling the gaps in metal and levelling to camber and gradients as directed (ii)sand. Rolling and consolidate of soil including filling in depression which occur during the process, with power roller 8 tonne to 12 tonne	2387.80	Cu.M.			
280	Providing and laying controlled cement concrete M-100 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish and	2387.80	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	reinforcement for reinforced concrete work in: (a) Foundations, footings Bases of columns and the like and Mass concrete.					
281	Providing and laying cement concrete flooring M-200 RMC by using TREMIX system laid in one layer as per required level, slop and thickness of 250 mm with 32kg of RCH per/CMT concrete to be laid in alternate panels size approx. 3.5m x5.0m with steel channel foam work levelling with surface vibrator finish the surface with power float and dowels' Dewatering the floor with vacuum pump. light blooming on the surface as per directed and making construction join of size 10x40 mm by using of concrete cutter machine and ready-mix bituminous filler of Shalimar tar products. Making expansion joint with 32 mm dia,300 mm length steel covered with 40 mm Dia PVC pipe with and cape placed 300 mm c/c covered with jute as per drawing	3978.33	Cu.M.			
282	Providing Thermo Mechanically Treated bar (T.M.T.) (I.S.I. Mark) conforming to I.S. - 1786 Fe - 500D for R.C.C. work including bending, binding and placing in position complete. All floor Level	81398.77	KG			
	13 - EXTERNAL PLUMBING WATER SUPPLY (PHE SERVICE)					
282	Providing and fixing UPVC-SCH-80 pipes with UPVC SCH-80 fittings UV stabilized and UPVC solution adhesive joints, having thermal stability for cold water supply including all UPVC plain joints and brass threaded joints fittings including fixing the pipe clamps at 1.0mtr in necessary with testing of all joints and pipes comp. as per Eng. in charge. (External Under	0				

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	Ground Works Under Ground main line work) (Astral/ Supreme/Ashirvad Make)					
a	15 mm Dia	372	Rmt			
b	20 mm Dia	372	Rmt			
c	25 mm Dia	371	Rmt			
d	32 mm Dia	620	Rmt			
e	40 mm Dia	619	Rmt			
f	50 mm Dia	620	Rmt			
g	65 mm Dia	1239	Rmt			
h	80 mm Dia	1859	Rmt			
I	100 mm Dia	2480	Rmt			
j	150 mm Dia	3098	Rmt			
283	Supply, installation, testing & commissioning of gunmetal, male or female threaded isolation control valve (Ball Valve), confirming to latest IS, PN 10, with necessary specials, union, nipples etc., to complete the job. (Zoloto/ Audco/ R.B.)	0	-			
	(External Control Main Works)					
a	15mm Dia	20	Nos			
b	20mm dia.	20	Nos			
c	25mm dia.	35	Nos			
d	32mm dia.	300	Nos			
e	40mm dia.	300	Nos			
f	50mm dia.	35	Nos			
g	75mm dia.	20	Nos			
h	100mm dia.	20	Nos			
I	150mm dia.	20	Nos			
284	Supplying, fitting & fixing Non return valve (Spring type Dual plate type) as per API 594/598, tested to 10 kg/sq.cm etc. complete. (Valve will supplied by Client). (Zoloto/ Audco/ R.B./ Spirex)					
a	25mm dia.	7	Nos			
b	32mm dia.	300	Nos			
c	40mm dia.	300	Nos			
d	50mm dia.	7	Nos			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
e	75mm dia.	7	Nos			
f	100mm dia.	7	Nos			
285	Supply, Installation, Testing and Commissioning of 25 mm dia. air release valve. (Zoloto/ Audco/ R.B./ Spirex)	35	Nos			
286	Excavation for roadways in Soil of all sorts up to required depth including dressing section to the required grade and camber and side slopes in soil, soft murrum, hard murrum, BT surface, otta, dismantled structures including scaffolding if required shoring, strutting and conveying the excavated materials within the lead of 200m, spreading, watering, ramming including supporting the utility services such as pipe lines, cables etc. using bamboos, wire ropes, installing red lamps and barricading around the excavated pits for safety etc. complete. 0 to 0.60 mtr depth	7500	Cu.M.			
287	Constructing masonry Chamber 75x 75 x 75 cm and up to 1.0mtr depth , inside with 75 second class designation brick work in cement mortar 1:5 (1 cement :5 fine sand) for sluice valve and ball valve, with C.I. surface box 100mm. top diameter, 160 mm bottom diameter and 180 mm deep (inside) for sluice valve and medium duty RCC manhole cover of 550mm dia. size with RCC precast frame for gun metal valve with chained lid and RCC top slab 1:2:4 mix (1 cement:2 coarse sand : 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement :5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement :3 coarse sand) 12mm thick finished with a floating coat of neat cement complete as per standard design:	67	Nos			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	(Valve Chamber)					
288	Supply, installation, testing and commissioning of Domestic Water meters horizontal inferential, single or multi jet, dry dial, suitable for 50 deg. C, duly sealed against tampering, complete with coupling conforming to Class B, IS 779-1994 (latest edition) or ISO 4064, readings in metric system.					
a	25 mm dia.	7	Nos			
b	32 mm dia.	300	Nos			
c	40 mm dia.	300	Nos			
d	50 mm dia.	7	Nos			
	14 - COMPOUND WALL					
289	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C to required dry density including feeling the depression which occur during the process using power roller 8T to 10T(E) from borrow area within all lead (more than 10 ton)	423.25	Cu.M.			
290	Boring holes 3.5m deep in ordinary soil (for cast in situ piles) and getting out the soil and disposal of the surplus excavated soil as directed with in a lead of 50m for following Dia meter of pile-300 mm	112.52	Cu.M.			
291	Providing and laying controlled cement concrete M-200 RMC and curing complete and excluding reinforcement for reinforced concrete work in (a) Foundations, footings Bases of columns and the like and Mass concrete. (more than 10 ton) (pile footing)	112.52	Cu.M.			
292	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with	109.48	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	sheathing steel sheets so as to give a fair finish and reinforcement for reinforced concrete work in: (a) Foundations, footings Bases of columns and the like and Mass concrete.					
293	Providing and laying controlled cement concrete M-100 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish and reinforcement for reinforced concrete work in :(a) Foundations, footings Bases of columns and the like and Mass concrete.	45.30	Cu.M.			
294	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish and reinforcement for reinforced concrete work in :(a) Foundations, footings Bases of columns and the like and Mass concrete.	45.30	Cu.M.			
295	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in BEAMS Ground Floor (ground beam)	143.19	Cu.M.			
296	Providing and laying controlled cement concrete M-200 RMC EXPOSED WORK with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for RCC work in (A) BEAMS (ii) having cross sectional area more than 0.08 Sq.M and up to 0.12 Sq.M Ground Floor (plinth beam)	143.19	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
297	Providing and laying controlled cement concrete M-200 RMC EXPOSED WORK with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for RCC work in (A) BEAMS (Lintel beam) (I) having cross sectional area 0.05 Sq.M and up to 0.08 Sq.M ground floor	68.42	CU.M			
298	Providing and laying controlled cement concrete M-200 RMC EXPOSED WORK with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for RCC work in (A) COLUMN having cross sectional area 0.05 Sq.M and up to 0.08 Sq.M ground floor (1.5 Mt ht)	141.46	Cu.M.			
299	Providing and laying controlled cement concrete M-200 RMC EXPOSED WORK with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for RCC work in (A) COLUMN having cross sectional area 0.05 Sq.M and up to 0.08 Sq.M ground floor (0.75 Mt) ht	64.32	Cu.M.			
300	Providing and laying controlled cement concrete M-200 RMC EXPOSED WORK with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for RCC work in (A) COLUMN having cross sectional area 0.05 Sq.M and up to 0.08 Sq.M ground floor (2.25 Mt) ht	77.14	Cu.M.			
301	Providing and laying controlled cement concrete M-200 RMC EXPOSED WORK and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Wall for Ground Floor (up to plinth level)	482.30	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
302	Providing and laying controlled cement concrete M-200 RMC EXPOSED WORK and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Wall for Ground Floor (up to super structural)	468.23	Cu.M.			
303	Supplying fabricating, erecting, aligning & fixing in proper position Asian make 75x4mm thick vertical member mild steel, 75x6mm thick horizontal member, fix with 150x150x10mm Ms plate etc. complete at site. Rate shall include for supplying all materials such as ISI Market rate mark welding rods, bolts, nuts, etc and like labour for the work of straightening, cutting, drilling holes, necessary plants / equipment's for assembling, bolting welding, erecting, etc. complete as directed. Rate shall include for one coat of red oxide and two coats of approved epoxy enamel paint after thorough cleaning of surfaces. Measurement of steel shall be on the basis of Smt Area As per drawing length of the sections as per drawing and standard weight as per ISI code	800.70	Sq.M			
304	Excavation for foundation up to 1.50 Mt depth including sorting out and stacking of useful materials and (EXECUTED WITH MECHANISED EFFORTS MACHINARIES)	401.85	Cu.M.			
305	Providing Thermo Mechanically Treated bar (T.M.T.) (I.S.I. Mark) conforming to I.S. - 1786 Fe - 500D for R.C.C. work including bending, binding and placing in position complete. All floor Level	139258.05	kg			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
306	Providing and fixing 75x40x5mm MS channel to make 'Y' form and 250 mm depth angle embed on RCC column with RCC concrete M-250 on top with necessary holes to fix 12x14 gauge of galvanise wire strand and barb spacing 15mm , 2 lines horizontal total 4 no. weighting 9.39 kg per 100MT 120 gsm fixed to post with GI stepless, razor wire 2.6mm Dia GI wire coil diameter 600mm, coil length 100 mm , 120 gsm Zinc cotted weight of coil 8 kg, blade profile BTO-102233+CBT 60 and 65 maximum 5.5 Mt length of spiral razor wire should be arrange from 1 coil fix with GI staples	1327.53	Rmt.			
307	Extra for providing formwork for exposed concrete surface in desired pattern, grooves, bolting pattern and size using laminated shuttering plywood including neat cleaning the exposed concrete surface, as directed by the architect for all RCC works of any space and size horizontal vertical and slanting, curved surface etc, complete	13949.07	Sq.M			
308	Charges for making holes in wall, slabs or any other RCC members by diamond core cutting machine of HILTI or equivalent including disposing the debris. measurement will be taken for the depth of holes in running meter. For disposal of the debris as per the disposal item					
A	Diameter of holes from 51 to 100 mm clear	619.50	No.			
B	Diameter of holes from 101 to 200 mm clear	247.80	No.			
309	Providing and fixing in expansion joint 100 mm thick silflex (cepcelt hd 100) expansion joint board of best quality and approved make including cutting to required size and shape at all levels etc.	58.54	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	Complete as directed					
	15 - GATE - 3 Nos.					
310	Excavation for foundation up to 1.50 Mt depth including sorting out and stacking of useful materials and (EXECUTED WITH MECHANISED EFFORTS MACHINARIES)	672.85	Cu.M.			
311	Providing and laying controlled cement concrete M-100 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish and reinforcement for reinforced concrete work in: (a) Foundations, footings Bases of columns and the like and Mass concrete	101.73	Cu.M.			
312	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish and reinforcement for reinforced concrete work in: (a) Foundations, footings Bases of columns and the like and Mass concrete.	188.82	Cu.M.			
313	Providing and laying controlled cement concrete M-250 RMC EXPOSED WORK and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Columns, (iii)having cross sectional area more than 0.12 Smt and up to 0.18 Smt	236.44	Cu.M.			
314	Providing and laying controlled cement concrete M-250 RMC EXPOSED WORK and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of	80.62	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	reinforcement for reinforced concrete work in BEAMS (III) having cross sectional area more than 0.12 SMT and up to 0.18 Smt Ground Floor					
315	Providing and laying controlled cement concrete M-250 RMC EXPOSED WORK and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in BEAMS super structure	292.67	Cu.M.			
316	Providing and laying controlled cement concrete M-250 RMC EXPOSED WORK and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Wall for Ground Floor	55.57	Cu.M.			
317	Providing and laying controlled cement concrete M-200 RMC EXPOSED WORK and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in (IV) SLABS having more than 13 Cm and up to 15 Cm thick	33.12	Cu.M.			
318	Providing and laying controlled cement concrete M-200 RMC EXPOSED WORK and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in SLABS for super structure	193.43	Cu.M.			
319	Filling foundation and plinth with murrum or selected soil in layer of 20 cm in thickness including ramming watering and consolidating etc. complete	210.20	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
320	Filling in foundation and plinth with sand in layers of 20 cm. Thickness including watering ramming and consolidating etc. complete.	28.06	Cu.M.			
321	Carrying out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistent with I.S.I specification. Using Chlordane and Chiorpurfiles 20 EC. As Per 6131_paret-II Concentration Weight one percent is recommended i.e. one litre 20 EC chemical emulsion with 19 litter give 1 % concentration inclusive of one litre chemical emulsion application at the rate of 5 Litre chemical / Sqm of surface is recommended as per I. S	140.39	Sq.M			
322	Providing Thermo Mechanically Treated bar (T.M.T.) (I.S.I. Mark) conforming to I.S. - 1786 Fe - 500D for R.C.C. work including bending, binding and placing in position complete. All floor Level	61960.41	kg			
323	Providing cement vata (10cm. x 10 cm. size) quarter round in cement mortar 1:1 including neat cement finishing, watering etc. complete.	2308.92	Rmt.			
324	Providing and laying 600 mm x 600mm vitrified 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with colour cement slurry including finished with flush pointing & cleaning the surface etc. complete for light shade	172.91	Sq.M			
325	Providing and laying Marbo Granite tiles 9 mm thick, 600 x 600 in skirting risers of steps and	15.68	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	dado on 10mm thick cement plaster 1:3 (1-cement: 3-coarse sand) and jointed with white cement slurry					
326	Providing and fixing rubi red Granite of 20 mm thick of uniform size and color for staircases in treads & risers, dado or fascia etc. any length including necessary machine cut edges (uniform thickness) rounded edges, nosing, grooves in risers and treads laid by Adhesive material and in combination of different marble as pattern and instructions of Architect, necessary cement mortar bedding in C.M.1:6 of required thickness. Cement joints and pointing as specified with polishing (with oxalic acid) curing, with water and kerosene as directed for at least 15 days or up to the satisfaction of the Architect & Engineer in charge etc. complete..	77.72	Sq.M			
327	Providing and laying water proofing treatment with China mosaic tiles flooring over age 40 mm C.C. 1:2:4 {1 Cement : 2 sand : 4 Kapachi / Grit 6 to 12 mm size} bedding for maintaining slope for plain and curve surface & 12 mm to 20 mm of broken piece of ceramic / glazed tiles (one for more colour as directed) to be laid over cement mortar bedding of C M 1:3 (1 cement : 3 sand) contain one Kg of water proofing materials per bag of O P C at plain or / and slops and to be tempered to bring mortar ceramic up to surface with using white cement and colour pigment including rounding of junctions and extending them up to 15 cm along the wall and curing with bends any patterns or design as per drawing and cleaning by using oxalic acid etc complete.	2335.61	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
328	Applying two coats of Birla or Asian acrylic lappy (putty) and two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	290.21	Sq.M			
329	Providing and fixing window having extruded aluminium Colour Powder Coated section frame main outer size 63.50 x 38.10 x 1.95 mm (of Jindal Section no:4605, @ Wt. 1.094 Kg / Rmt), horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm (of Jindal Section no: 8687 @ wt. Of 0.695 Kg/Mt), vertical member of size 61.85 mm x 31.75mm x 1.30 mm (of Jindal Section no:8758 @ wt. Of 0.0.659 Kg/Mt) with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section no:8949 @ wt. Of 0.456Kg/Mt), vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section no:8947 @ wt. Of 0.456Kg/Mt/ Section 8948, @ Wt. 0.457 Kg/Mt) with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminium fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.	179.49	Sq.M			
330	Extra for providing formwork for exposed concrete surface in desired pattern, grooves, bolting pattern and size using laminated shuttering plywood including neat cleaning the exposed concrete surface, as directed by the architect for all RCC works of any space and size horizontal vertical and slanting, curved surface etc, complete	4828.49	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
331	Supplying fabricating, erecting, aligning & fixing in proper position Asian make, 75mm x 50 mm steel pipe outer frame and 50mm x 4mm MS patta at 50mm equal distance 4 Hinges on both the shutters fixed to ISMB-125 complete at site. Rate shall include for supplying all materials such as ISI mark welding rods, bolts, nuts, etc and like labour for the work of straightening, cutting, drilling holes, necessary plants / equipment's for assembling, bolting welding, erecting, etc. complete as directed. Rate shall include for one coat of red oxide and two coats of approved epoxy enamel paint after thorough cleaning of surfaces. Measurement of steel shall be on the basis of length of the sections as per drawings and standard weight as per ISI code.	284.13	Sq.M			
	Electrical Works					
332	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in/ on surface on wall/ceiling complete with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed.	25	Nos.			
333	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in	3	Nos.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	/ flushed on wall/ceiling complete with 6A Modular type switch and hum free EME four or more step type electronic fan regulator with separately mounted and accessories with earth continuity of following type erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D. Connector as directed. (a) with medium class Rigid PVC pipe and accessories					
334	Point wiring for Two Way Controlled Light Point with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (green) both are of. ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires erected in below type of pipe with 6A Modular type switches and following type of accessories erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary batten/angle holder or ceiling rose or H.D. Connector as directed. (a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete	15	Nos.			
335	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of to be erected concealed in / on surface of wall / ceiling complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of	2	Nos.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	accessories.[II] For 16A Plug with 2-1.5 sq.mm Cu. Wire (a) with medium class Rigid PVC pipe and accessories Cat III					
336	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (a) with medium class Rigid PVC pipe and accessories (b) 2 wire 1.5 sq. mm	1269	Mtrs			
337	Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (a) with medium class Rigid PVC pipe and accessories (b) 2 wire 2.5 sq. mm	949	Mtrs.			
338	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following Dia of pipes, in approved manner as directed (a)20 mm	1269	Rmt.			
339	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC / Metallic concealed/open box with single mounting base frame covered with textured/metallic /white front plate, modules erected with necessary connections as directed 1 no. 6A/16A universal plug-switch combined.	3	Nos.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	3 nos. 6A Switch 3 nos. 6A 5 pin Plug For Modular Type Accessories					
340	Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate, modules erected with necessary connection. As desired by Engineer In charge (4) TV Co-axial Socket outlet	9	Nos.			
341	Providing following type of Modular Type Accessories mounted with PVC / metallic box, single mounting base frame covered with textured / metallic front plate, modules erected with necessary connection. As desired by Engineer In charge (3) Two Pin/RJ-11 Telephone Socket One Gang	6	Nos.			
342	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, confirming to IS 13032 and BS 5486-1986 without MCB to house appropriate nos. of MCBs. (The DBs should be used of same company of MCB to be used) (A) single phase incoming and horizontal single-phase outgoing (b) sheet steel double door (IP-43) (iv)12 way	3	Nos.			
343	Approved make ELCBs / RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 6 KA and suitable for operation on single phase 240 V. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed (ii) 40Amps. DP	3	Nos.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
344	providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark	3	Nos.			
345	Supplying & erecting fan hook box of 10 mm M.S. round bar bounded to the RCC bars up to 50mm length each side and pierced through a 16 Gauge M.S. box / Heavy Duty PVC box complete erected concealed in Ceiling with necessary finishing.	3	Nos.			
346	Providing 2.5mm. thick laminated acrylic sheet to cover the fan hook or Fan box.	3	Nos.			
347	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate, modules erected with necessary connections as per site situation directed by Engineer In charge. (8) Computer RJ-45 socket	3	Nos.			
348	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS:513/CRCA/ aluminium pressure die cast powder coated and high U.V. & corrosion resistance with diffuser housed in aluminium casted body with company mark/name 120 to 300 V,Power Factor more than 0.9, THD < 10 %, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt ,LED efficiency 110 lumens/watt. LED driver efficiency > 85 % CREE / OSRAM / PHILIPS Lumileds / NICHIA / SEOUL/Bridgelux make LED used for luminaire.	75	Nos.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	(fitting required LM-79 & LM-80 Certificates) (NOTE: Below description have shown ranges of Wattage capacity of LED fittings. The Engineer in charge may select any wattage capacity between the ranges shown.) (D) LED Panel Light with provision for Plane front frame with translucent cover fixed to housing complete. IP20 (f) 36 watts, 24" x 24" mm, Surge-2KV					
	16 - SEWER WASTE WATER PIPE NETWORK (PHE SERVICE)					
349	Excavation for roadways in Soil of all sorts up to required depth including dressing section to the required grade and camber and side slopes in soil, soft murrum, hard murrum, BT surface, otta, dismantled structures including scaffolding if required shoring, strutting and conveying the excavated materials within the lead of 200m, spreading, watering, ramming including supporting the utility services such as pipe lines, cables etc. using bamboos, wire ropes, installing red lamps and barricading around the excavated pits for safety etc. complete.					
a	Up to 1.0m depth	3717.00	Cu.M.			
b	1.00 to 2.00 m Depth	9912.01	Cu.M.			
c	2.00 to 3.00 m Depth	1239.00	Cu.M.			
350	Providing Cement Concrete Pipes of IS NP-3 Class of below diameter in proper line, level & Slope including providing, fixing collars in position in cement mortar 1:2 curing etc. complete. Laying in position RCC Hume pipe of IS NP-3 Class in proper line, level & Slope including providing, fixing rubber ring joint finishing with in cement mortar 1:2 curing & testing etc.					

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	Complete. Laying of pipes shall be carried out as per relevant IS, including all leads and lifts etc. Complete as directed by Engineer.					
a	150 mm Dia. (NP-2)	1859.00	Rmt			
b	250 mm Dia. (NP-2)	3098.07	Rmt			
c	300 mm Dia. (NP-2)	1239.00	Rmt			
d	450 mm Dia. (NP-3)	372.00	Rmt			
e	600 mm Dia. (NP-3)	372.00	Rmt			
f	900 mm Dia. (NP-3)	203.76	Rmt			
351	Constructing Brick masonry inspection Manhole chamber 23 cm thick in 1:6 cement mortar or using concrete block, plastering internally and externally in 1:3 cement mortar (no external plastering is required for concrete block), render cement finish, coping 75 mm thick 1:2:4 CC, constructing catch pit, 1:3:6 CC in bed concrete, rubble soling 230mm thick, preparing of channel with pipe, connecting out-going and incoming pipe lines, etc. complete.					
a	a) 75cm x 75cm x 1.00	92.92	Nos.			
b	b) 90cm x 80cm x 1.50m	92.92	Nos.			
c	c) 120cm x 90cm x 2.50m	30.97	Nos.			
4	Providing precast cement concrete covers with frame over chamber of approved drawing and design.					
a	a) 600 x 600 mm 250 Kg HD	186.00	Nos			
b	a) 600 x 900 mm 250 Kg HD	30.97	Nos			
352	Providing and laying cement concrete 1:5:10 (1 cement: 5 coarse sands: 10 graded stone aggregate 40 mm nominal size) S.W. pipes including bed concrete as per standard design:					
a	All Type of Pipe Size (15cm. Thick)	1239.00	Cu.M.			
353	Constructing Brick masonry Septic Tank As per the Structure Details Design, (5 x 2.50 x 1.50mtr Liq. Depth.)	5.00	No.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
354	Constructing Brick masonry Septic Tank As per the Structure Details Design (4 x 2.0 x 1.50mtr Liq. Depth.)	2.00	No.			
355	Constructing Brick masonry Soak Well As per the Structure Details Design, (3.0mtr. Dia x 9.0 mar Liq. Depth.)	7.00	No			
	17 -OVERHEAD WATER TANK					
356	Providing and erecting RCC elevated reservoir of 3.0 lac capacity compiling provisions of Relevant Indian standards. All types of labour and material charges of lowering, laying, erecting, hosting and joining of pipes assembly of inlet, outlet, overflow, washout and bypass arrangement as per design and drawing. Providing and fixing any accessories CI man hole cover and frame, water table indicator, lighting conductor. GI pipe railing around walking at roof level, RCC spiral staircase with adequate tie beams, staircase footing, RCC chambers for valves, ventilation shaft etc. Minimum concrete grade M:300 Steel TMT (FE500) Or higher-grade reinforcing bars confirming to IS 1786/1139 Or CRS/TMT bars shall be used as per specification. LSL 17.0 MT from GL in Seismic zone-4 ESRS shell type as per design Specification as per section 1C-RCC ESR, GSR, SUMP, HGLR	300000	Liters			
	18- UNDER GROUND WATER TANK					
357	Excavation for foundation up to 1.50 Mt depth including sorting out and stacking of useful materials and disposing the excavated stuff up to 50 Mt lead (A) Loose or soft soil (EXECUTED WITH MECHANISED EFFORTS MACHINARIES)	90.93	Cu.M.			
358	Excavation for foundation 1.50	418.36	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	Mt to 3.00 Mt depth including sorting out and stacking of useful materials and disposing the excavated stuff up to 50 Mt lead (A) Loose or soft soil (EXECUTED WITH MECHANISED EFFORTS MACHINARIES)					
359	Excavation for foundation 3 Mt to 5mt depth including sorting out and stacking of useful materials and disposing the excavated stuff up to 50 Mt lead (A) Loose or soft soil (EXECUTED WITH MECHANISED EFFORTS MACHINARIES)	418.36	Cu.M.			
360	Excavation for foundation 3 Mt to 5mt depth including sorting out and stacking of useful materials and disposing the excavated stuff up to 50 Mt lead (A) Loose or soft soil (EXECUTED WITH MECHANISED EFFORTS MACHINARIES)	90.93	Cu.M.			
361	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C to required dry density including feeling the depression which occur during the process using power roller 8T to 10T(E) from borrow area within all lead (more than 10 ton	2105.67	Cu.M.			
362	Filling in foundation and plinth with sand in layers of 20 cm. Thickness including watering ramming and consolidating etc. complete.	505.29	Cu.M.			
363	Carrying out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistent with I.S.I specification. Using Chlordane and Chiorpurfiles 20 EC. As Per 6131_paret-II Concentration Weight one percent is recommended i.e. one litre 20 EC chemical emulsion with 19 litter give 1 % concentration	1684.53	Sq.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	inclusive of one litre chemical emulsion application at the rate of 5 Litre chemical / Sqm of surface is recommended as per I. S					
364	Providing and laying controlled cement concrete M-100 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish and reinforcement for reinforced concrete work in (a) Foundations, footings Bases of columns and the like and Mass concrete.	32.53	Cu.M.			
365	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.	6.59	Cu.M.			
366	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.	7.7	Cu.M.			
367	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete. (PEDESTAL)	3.01	Cu.M.			
368	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with	3.4	cum			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars posts and struts G. FLOOR					
369	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in BEAMS Ground Floor	10.47	cum			
370	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in BEAMS Ground Floor	11.82	Cu.M.			
371	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in SLABS for Ground Floor	46.9	Cu.M.			
372	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in RCC Wall	78.24	Cu.M.			
373	Providing Thermo Mechanically Treated bar (T.M.T.) (I.S.I. Mark) conforming to I.S. - 1786 Fe - 500D for R.C.C. work including bending, binding and placing in position complete. All floor Level	15341.64	Kg.			
374	Providing 20 mm thick double coat mala cement plaster on	1196.66	Sq.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement: 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement: 2 Coarse sand) finished with trowel including scaffolding curing etc. complete. GROUND FLOOR					
375	Providing cement vata (10cm. x 10 cm. size) quarter round in cement mortar 1:1 including neat cement finishing, watering etc. complete.	87.17	Rmt.			
	19 - PERCOLATION WELL-8 NOS (PHE SERVICE)					
376	Excavation for roadways in Soil of all sorts up to required depth including dressing section to the required grade and camber and side slopes in soil, soft murrum, hard murrum, BT surface, otta, dismantled structures including scaffolding if required shoring, strutting and conveying the excavated materials within the lead of 200m, spreading, watering, ramming including supporting the utility services such as pipe lines, cables etc. using bamboos, wire ropes, installing red lamps and barricading around the excavated pits for safety etc. complete.	0.00	0.00			
a	Up to 1m Depth	69.37	Cu.M.			
b	1.00 to 2.00 m Depth	69.38	Cu.M.			
377	Excavation for foundation pipe trenches in Soft or Hard Earth/ Rock including scaffolding if required shoring, strutting and conveying the excavated materials within the lead of 200m, spreading, watering, ramming including supporting the utility services such as pipe lines, cables etc. using bamboos, wire ropes, installing red lamps and barricading around the excavated pits for safety etc.	29.73	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	complete. Up to 1.00m depth					
378	Boring/drilling bore well of required Dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipment's, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge up to 90 metre depth below ground level. of 300mm Dia	598.72	Rmt			
379	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well casing (CM) pipe of required Dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in charge. 200 mm Dia pipe	598.72	Rmt			
380	Brick Masonry in Cement/Fly Ash Brick & 1:5 cement mortar including 50% crush sand & 50% river sand with joint filling & curing for 7 days etc. (0.230 m thick. Or above thick)	120.94	Cu.M.			
381	15 to 25 mm Thick Plastering for brick masonry in 1:3 cement mortar including smooth Niru finish, cement finishing, groove cut in joints & curing for 7 days etc. 15 to 25 mm thick Internal Plaster	446.04	Sq.M.			
382	Supplying and laying of approved 40 mm (Down Size & Over Size) metal as per engineer in charge on site.	138.76	Cu.M.			
383	Supplying, filling, spreading & levelling stone boulders of size range 5 cm to 20 cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-	89.20	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	charge					
384	Supplying, filling, spreading & levelling gravels of size range 5 mm to 10 mm, in the recharge pit, over the existing layer of boulders, in required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	89.20	Cu.M.			
385	Supplying, filling, spreading & levelling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of Engineer -in-charge	71.38	Cu.M.			
386	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineering-in charge.	48.88	Cu.M.			
387	Providing and fixing suitable size threaded mild steel cap or spot-welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of:	9.00	Nos.			
388	Providing and fixing Bail plug/ Bottom plug of required Dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I).	9.00	Nos.			
389	Providing and fixing factory made precast RCC perforated drain covers, having concrete of strength not less than M-25, of size 1000 x 450x50 mm, reinforced with 8 mm Dia four no longitudinal & 9 nose cross sectional T.M.T. hoop bars, including providing 50 mm dia perforations @ 100 to	9.00	Nos.			
	20 - TOILET BLOCK-					
390	Excavation for foundation upto 1.50 Mt depth including sorting out and stacking of useful materials and disposing the excavated stuff up to 50 mt lead	37.53	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	(A) Loose or soft soil (EXECUTED WITH MECHANISED EFFORTS MACHINARIES)					
391	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C to required dry density including feeling the depression which occur during the process using power roller 8T to 10T(E) from borrow area within all lead & all lift (more than 10 ton)	49.88	Cu.M.			
392	Filling in foundation and plinth with sand in layers of 20 cm. Thickness including watering ramming and consolidating etc. complete.	8.8	Cu.M.			
393	Carrying out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistent with I.S.I specification. Using Chlordane and Chiorpurfiles 20 EC. As Per 6131_paret-II Concentration Weight one percent is recommended i.e. one litre 20 EC chemical emulsion with 19 litter give 1 % concentration inclusive of one litre chemical emulsion application at the rate of 5 Litre chemical / Sqm of surface is recommended as per I. S	54.5	Sq.M.			
394	Providing and laying controlled cement concrete M-100 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish and reinforcement for reinforced concrete work in: (a) Foundations, footings Bases of columns and the like and Mass concrete.	1.88	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
395	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.	1.73	Cu.M.			
396	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.	8.64	cum			
397	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete. (PEDESTAL)	0.41	Cu.M.			
398	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars posts and struts G. FLOOR	2.14	Cu.M.			
399	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in BEAMS Ground Floor	7.51	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
400	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in BEAMS Ground Floor (first level)	3.89	Cu.M.			
401	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in BEAMS ground floor (second level)	3.26	Cu.M.			
402	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in SLABS for Ground Floor	11.83	Cu.M.			
403	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Lintels Ground Floor	1.08	Cu.M.			
404	Providing Thermo Mechanically Treated bar (T.M.T.) (I.S.I. Mark) conforming to I.S. - 1786 Fe - 500D for R.C.C. work including bending, binding and placing in position complete. All floor Level	2595.54	Kg.			
405	Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm. In foundation and plinth in cement mortar 1:6 (1cement: 6 fine sand) (b)	2.6	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	Conventional					
406	Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm. In super structure above plinth level up to floor two level in cement mortar 1:6 (1cement: 6 fine sand) (b) Conventional {Ground Floor}	22.6	Cu.M.			
407	Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm. In cement mortar 1:3 (1cement: 3 coarse sand) with 2 Nos. of 6 mm. Diameter mild steel round bars after every three coarse embedded in cement mortar in super structure above plinth level Ground floor	18.24	Sq.M			
408	Providing 30 mm thick both side prelam panel PVC door, made up of 5 mm prelam decorative Wood like veneered look PVC sheet. M.S tube frame of 19 gauge. The top and bottom rails, styles and panels for the same shall be as per drawing and specification and shall be jointed With solvent cement adhesive. The M.S frame shall be painted with approved red lead and primer. The frame shall be covered with moulded 5mm thick PVC panel etc complete.	9.86	Sq.M			
409	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement: 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement: 2 Coarse sand) finished with trowel including scaffolding curing etc. complete. GROUND FLOOR	127.24	Sq.M			
410	Providing 10 mm. Thick cement plaster in single coat on brick/ concrete walls for interior	170.3	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	plastering up to floor two level and finished even and smooth in: (I) Cement mortar 1:3 (1 cement: 3 sand) Ground Floor					
411	20 mm. Thick sand faced GUTAKA FINISHED cement plaster on walls up to All height above ground level consisting of 12 mm. Thick backing coat of C.M. 1:3 (1 cement: 3 sand) and 8 mm. Thick finishing coat of C.M. 1:1 (1 cement: 1 sand) including making groove 6 mm wide and 8 mm deep as approved pattern etc. complete as directed.	118.98	Sq.M			
412	Providing and fixing HEXAGONAL chicken mesh Jali with square of 12.50 x 12.50 mm of 25 gauge at junction the Brick. masonry and reinforcement cement concrete member including fixing materials scaffolding labour etc. complete	9.29	Sq.M			
413	Providing cement vata (10cm. x 10 cm. size) quarter round in cement mortar 1:1 including neat cement finishing, watering etc. complete.	37.17	Rmt.			
414	Providing and laying 300 mm x 300mm vitrified 9 mm thick tile dado flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface and jointed with colour cement slurry including finished with flush pointing & cleaning the surface etc. complete for VERMORA ANTIQUE LIGHT GREY, ANTIQUE DARK GREY -SATIN MATT GVT	179.74	Sq.M			
415	Providing and fixing rubi red Granite of 20 mm thick of uniform size and color for staircases in treads & risers, dado or fascia etc. any length including necessary machine cut edges (uniform thickness) rounded edges, nosing, grooves in risers and treads laid by Adhesive material and in combination of different marble	27.06	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	as pattern and instructions of Architect, necessary cement mortar bedding in C.M.1:6 of required thickness. Cement joints and pointing as specified with polishing (with oxalic acid) curing, with water and kerosene as directed for at least 15 days or up to the satisfaction of the Architect & Engineer in charge etc. complete..					
416	Providing and laying water proofing treatment with China mosaic tiles flooring over avg 40 mm C.C. 1:2:4 {1 Cement : 2 sand : 4 Kapachi / Grit 6 to 12 mm size} or BBCC of old bricks bats bedding for maintaining slope for plain and curve surface & 12 mm to 20 mm of broken piece of ceramic / glazed tiles (one for more colour as directed) to be laid over cement mortar bedding of C M 1:3 (1 cement : 3 sand) contain one Kg of water proofing materials per bag of O P C at plain or / and slops and to be tempered to bring mortar ceramic up to surface with using white cement and colour pigment including rounding of junctions and extending them up to 15 cm along the wall and curing with bends any patterns or design as per drawing and cleaning by using oxalic acid etc complete. .	106.9	Sq.M			
417	Applying two coats of Birla or Asian acrylic lappy (putty) and two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	127.01	Sq.M			
418	Finishing wall with weather proof exterior emulsion paint on wall surface (two coast) to give a required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of	118.98	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	loose powdered materials etc. Complete					
419	Providing & Applying three coats (First two coats are with brush and final coat is with roller) of plastic emulsion paint of desired shade, of approved make, brand and manufacture, on any surface, at all heights, to give an even shade, including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth. The paint shall be applied after applying a coat of primer and putty.	629.09	Sq.M.			
	21 - ELECTRIC ROOM					
420	Excavation for foundation up to 1.50 mt depth including sorting out and stacking of useful materials and disposing the excavated stuff up to 50 mt lead (A) Loose or soft soil (EXECUTED WITH MECHANISED EFFORTS MACHINARIES	37.64	Cu.M.			
421	Earthwork for embankment including breaking clods, dressing with all lead and lift and including watering rolling and consolidation of subgrade in layers at O.M.C to required dry density including feeling the depression which occur during the process using power roller 8T to 10T(E) from borrow area within all lead & lift (more than 10 ton)	49.92	Cu.M.			
422	Filling in foundation and plinth with sand in layers of 20 cm. Thickness including watering ramming and consolidating etc. complete.	8.92	Cu.M.			
423	Carrying out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistent with I.S.I specification. Using Chlordane and Chiorpurfiles 20 EC. As Per 6131_paret-II Concentration	50.18	Sq.M			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	Weight one percent is recommended i.e. one litre 20 EC chemical emulsion with 19 litter give 1 % concentration inclusive of one litre chemical emulsion application at the rate of 5 Litre chemical / Sqm of surface is recommended as per I. S					
424	Providing and laying controlled cement concrete M-100 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish and reinforcement for reinforced concrete work in (a) Foundations, footings Bases of columns and the like and Mass concrete.	5.88	Cu.M.			
425	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.	1.35	Cu.M.			
426	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.	2.68	Cu.M.			
427	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete. (PEDESTAL)	0.72	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
428	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars posts and struts G. FLOOR	1.09	Cu.M.			
429	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars posts and struts G. FLOOR	0.26	Cu.M.			
430	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in BEAMS Ground Floor	2.42	Cu.M.			
431	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in BEAMS First Floor	1.57	Cu.M.			
432	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in SLABS for FIRST Floor	8.66	Cu.M.			
433	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with	0.28	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Lintels Ground Floor					
434	Providing Thermo Mechanically Treated bar (T.M.T.) (I.S.I. Mark) conforming to I.S. - 1786 Fe - 500D for R.C.C. work including bending, binding and placing in position complete. All floor Level	1899.8	Kg.			
435	Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm. In foundation and plinth in cement mortar 1:6 (1cement: 6 fine sand) (b) Conventional	13.19	Cu.M.			
436	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 12 cm x 7 cm. size including anodized aluminium fixtures and fastenings including Polishing with French polish on new wood and wood-based surface to give an even surface including cleaning, the surface of all dirt, dust and sand papering smooth and including a coat of wood filler (ii) Fully Panell	9.25	Sq.M.			
437	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement: 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement: 2 Coarse sand) finished with trowel including scaffolding curing etc. complete. GROUND FLOOR	61.96	Sq.M.			
438	20 mm. Thick sand faced GUTAKA FINISHED cement plaster on walls up to All height above ground level consisting of 12 mm. Thick backing coat of	88.31	Sq.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	C.M 1:3 (1 cement: 3 sand) and 8 mm. Thick finishing coat of C.M. 1:1 (1 cement: 1 sand) including making groove 6 mm wide and 8 mm deep as approved pattern etc. complete as directed.					
439	Providing and fixing HEXAGONAL chicken mesh Jali with square of 12.50 x 12.50 mm of 25 gauge at junction the Brick masonry and reinforcement cement concrete member including fixing materials scaffolding labour etc. complete	2.79	Sq.M.			
440	Providing and laying water proofing treatment with China mosaic tiles flooring over avg 40 mm C.C. 1:2:4 {1 Cement : 2 sand : 4 Kapachi / Grit 6 to 12 mm size} or BBCC of old bricks bats bedding for maintaining slope for plain and curve surface & 12 mm to 20 mm of broken piece of ceramic / glazed tiles (one for more colour as directed) to be laid over cement mortar bedding of C M 1:3 (1 cement : 3 sand) contain one Kg of water proofing materials per bag of O P C at plain or / and slops and to be tempered to bring mortar ceramic up to surface with using white cement and colour pigment including rounding of junctions and extending them up to 15 cm along the wall and curing with bends any patterns or design as per drawing and cleaning by using oxalic acid etc complete. .	31.41	Sq.M.			
441	Applying two coats of Birla or Asian acrylic lappy (putty) and two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	89.69	Sq.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
442	Finishing wall with weather proof exterior emulsion paint on wall surface (two coat) to give a required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials etc. Complete	80.01	Sq.M.			
443	Providing & Applying three coats (First two coats are with brush and final coat is with roller) of plastic emulsion paint of desired shade, of approved make, brand and manufacture, on any surface, at all heights, to give an even shade, including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth. The paint shall be applied after applying a coat of primer and putty.	89.69	Sq.M.			
444	Providing and laying polished Kota stone slab 25mm thick in risers of steps, skirting dado and pillars laid on 10mm thick cement mortal 1:3 and jointed with Gray cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. Complete	43.52	Sq.M.			
	22 - R.O PLANT ROOM					
445	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars posts and struts G. FLOOR	3.16	Cu.M.			
446	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in BEAMS First Floor	2.75	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
447	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in SLABS for FIRST Floor	5.79	Cu.M.			
448	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Lintels Ground Floor	0.38	Cu.M.			
449	Providing Thermo Mechanically Treated bar (T.M.T.) (I.S.I. Mark) conforming to I.S. - 1786 Fe - 500D for R.C.C. work including bending, binding and placing in position complete. All floor Level	1739.52	Kg.			
450	Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm. In foundation and plinth in cement mortar 1:6 (1cement: 6 fine sand) (b) Conventional	12.81	Cu.M.			
451	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 12 cm x 7 cm. size including anodized aluminium fixtures and fastenings including Polishing with French polish on new wood and wood-based surface to give an even surface including cleaning, the surface of all dirt, dust and sand papering smooth and including a coat of wood filler (ii) Fully Panelled	7.8	Sq.M.			
452	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement	77.57	Sq.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	plaster in cement mortar (1 Cement: 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement: 2 Coarse sand) finished with trowel including scaffolding curing etc. complete. GROUND FLOOR					
453	20 mm. Thick sand faced GUTAKA FINISHED cement plaster on walls up to All height above ground level consisting of 12 mm. Thick backing coat of C.M. 1:3 (1 cement: 3 sand) and 8 mm. Thick finishing coat of C.M. 1:1 (1 cement: 1 sand) including making groove 6 mm wide and 8 mm deep as approved pattern etc. complete as directed.	63.22	Sq.M.			
454	Providing and fixing HEXAGONAL chicken mesh Jali with square of 12.50 x 12.50 mm of 25 gauge at junction the Brick masonry and reinforcement cement concrete member including fixing materials scaffolding labour etc. completed	9.29	Sq.M.			
455	Providing and laying water proofing treatment with China mosaic tiles flooring over avg 40 mm C.C. 1:2:4 {1 Cement : 2 sand : 4 Kapachi / Grit 6 to 12 mm size} or BBCC of old bricks bats bedding for maintaining slope for plain and curve surface & 12 mm to 20 mm of broken piece of ceramic / glazed tiles (one for more colour as directed) to be laid over cement mortar bedding of C M 1:3 (1 cement : 3 sand) contain one Kg of water proofing materials per bag of O P C at plain or / and slops and to be tempered to bring mortar ceramic up to surface with using white cement and colour pigment including rounding of junctions and extending them up to 15 cm along the wall and curing with bends any patterns or design as per drawing and cleaning by	40.73	Sq.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	using oxalic acid etc complete.					
456	Applying two coats of Birla or Asian acrylic lappy (putty) and two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	150.41	Sq.M.			
457	Finishing wall with weather proof exterior emulsion paint on wall surface (two coast) to give a required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials etc. Completed	63.22	Sq.M.			
458	Providing & Applying three coats (First two coats are with brush and final coat is with roller) of plastic emulsion paint of desired shade, of approved make, brand and manufacture, on any surface, at all heights, to give an even shade, including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth. The paint shall be applied after applying a coat of primer and putty.	150.41	Sq.M.			
459	Providing and laying polished Kota stone slab 25mm thick in risers of steps, skirting dado and pillars laid on 10mm thick cement mortal 1:3 and jointed with Gray cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. Complete	64.47	Sq.M.			
	23 - PUMP ROOM CIVIL					
460	Providing and laying controlled cement concrete M-250 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in	3.16	Cu.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	Columns, pillars posts and struts G. FLOOR					
461	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in BEAMS First Floor	2.75	Cu.M.			
462	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in SLABS for FIRST Floor	5.79	Cu.M.			
463	Providing and laying controlled cement concrete M-200 RMC and curing complete including the cost of formwork with sheathing steel sheets so as to give a fair finish but excluding the cost of reinforcement for reinforced concrete work in Lintels Ground Floor	0.38	Cu.M.			
464	Providing Thermo Mechanically Treated bar (T.M.T.) (I.S.I. Mark) conforming to I.S. - 1786 Fe - 500D for R.C.C. work including bending, binding and placing in position complete. All floor Level	1739.52	Kg.			
465	Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm. In foundation and plinth in cement mortar 1:6 (1cement: 6 fine sand) (b) Conventional	12.81	Cu.M.			
466	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 12 cm x 7 cm. size including anodized aluminium fixtures and fastenings including Polishing with French polish on	7.8	Sq.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	new wood and wood-based surface to give an even surface including cleaning, the surface of all dirt, dust and sand papering smooth and including a coat of wood filler (ii) Fully Panelled					
467	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement: 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement: 2 Coarse sand) finished with trowel including scaffolding curing etc. complete. GROUND FLOOR	77.57	Sq.M.			
468	20 mm. Thick sand faced GUTAKA FINISHED cement plaster on walls up to All height above ground level consisting of 12 mm. Thick backing coat of c.m. 1:3 (1 cement: 3 sand) and 8 mm. Thick finishing coat of c.m. 1:1 (1 cement: 1 sand) including making groove 6 mm wide and 8 mm deep as approved pattern etc. complete as directed.	63.22	Sq.M.			
469	Providing and fixing HEXAGONAL chicken mesh Jali with square of 12.50 x 12.50 mm of 25 gauge at junction the Brick masonry and reinforcement cement concrete member including fixing materials scaffolding labour etc. complete	9.29	Sq.M.			
470	Providing and laying water proofing treatment with China mosaic tiles flooring over avg 40 mm C.C. 1:2:4 {1 Cement : 2 sand : 4 Kapachi / Grit 6 to 12 mm size} bedding for maintaining slope for plain and curve surface & 12 mm to 20 mm of broken piece of ceramic / glazed tiles (one for more colour as directed) to be laid over cement mortar bedding of C M	40.73	Sq.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	1:3 (1 cement : 3 sand) contain one Kg of water proofing materials per bag of O P C at plain or / and slops and to be tempered to bring mortar ceramic up to surface with using white cement and colour pigment including rounding of junctions and extending them up to 15 cm along the wall and curing with bends any patterns or design as per drawing and cleaning by using oxalic acid etc complete.					
471	Applying two coats of Birla or Asian acrylic lappy (putty) and two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	150.41	Sq.M.			
472	Finishing wall with weather proof exterior emulsion paint on wall surface (two coast) to give a required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials etc. Complete	63.22	Sq.M.			
473	Providing & Applying three coats (First two coats are with brush and final coat is with roller) of plastic emulsion paint of desired shade, of approved make, brand and manufacture, on any surface, at all heights, to give an even shade, including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth. The paint shall be applied after applying a coat of primer and putty.	150.41	Sq.M.			
474	Providing and laying polished Kota stone slab 25mm thick in risers of steps, skirting dado and pillars laid on 10mm thick cement mortal 1:3 and jointed with Gray cement slurry mixed	64.47	Sq.M.			

Item No	Description of Item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate In figures	Rate In words	Amount
1	2	3	4	5	6	7
	with pigment to match the shade of slab including rubbing and polishing etc. Complete					
				Total Rs		

(A) Total Tendered Amount

(B) Rebate on above tendered amount (if any) % (in figure)
(in words).....

(C) Net Tendered Amount (A-B) (in figure)
(in words).....

1	The Contractor shall exhibit a board with detailed specification and details of work as directed by the Engineer-In-Charge for which no extra payment shall be made.
2	The labor cess will be deducted as per prevailing rules i.e., 1% of the work done.
3	GST and Income tax TDS will be deducted at a source while making payments of bills
4	1 % Material Testing Charge will be deducted at a source while making payments of bills
5	0.50 % Water uses charge will be deducted at a source while making payments of bills
6	In all R.C.C. Items in Rate Analysis Standard Cement Consumption has been taken as per Govt. G.R.: PRC-10/2017 Cement Consumption/16/C Date:11/05/2017 as stated in S.O.R. therefore in R.C.C. items where there is a change as per actual mix design the cost of difference of cement consumption have been deducted from the rate of original item at the rate of input rate mentioned in all the tender.

The Agricultural Produce Market Committee UNJHA



NAME OF WORK:

**Construction of New Sub Market yard at Brahmanwada
R.S. NO-613 of A.P.M.C. Unjha. Under the scheme of
AMI sub scheme of ISAM**

ESTIMATED COST PUT TO TENDER ₹. 627789022.10

Chairman
APMC

SECTION - 8
SECURITIES AND OTHER FORMS

BID SECURITY (BANK GUARANTEE)

WHEREAS, ----- (name of Bidder) (hereinafter called the "The Bidder") has submitted his bid Dated ----- (Date) for the construction of ----- (Name of Contractor hereinafter called "the Bid")

KNOW ALL PEOPLE by these presents that We -----
(name of Bank) of ----- (name of country) having our
registered office at ----- (hereinafter called
"the bank") are bound unto ----- (name of Employer)
(hereinafter called "The Employer") in the sum of ----- *
for which payment well and truly to be made to the said Employer the Bank itself, his
successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this ----- day of ----- 20

THE CONDITIONS of these obligations are:

(1) If after Bid opening the Bidder withdraws his bid during the period of Bid validity
specified in the Form of Bid;

Or

(2) If the Bidder has been notified of the acceptance of his bid by the Employer
during the period of Bid Validity:

A Fails or refuses to execute the Form of Agreement in accordance with the
Instructions to Bidders, if required; or

B. Fails or refuse to furnish the Performance Security, in accordance with the
Instructions to Bidders; or

C. does not accept the correction of the Bid Price pursuant to Clause 27
(Correction of Errors)

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

This Guarantee will remain in force up to and including the date ----- **
days after the deadline for submission of Bids as such the deadline is stated in the
Instructions to Bidders or as it may be extended by the Employer, 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-----

WITNESS -----

SEAL-----

(Signature, name and address)

* The Bidder should insert the amount of the guarantee in words and figures
denominated in Indian Rupees. This figure should be the same as shown in
Clause 16.1(Bid Security) of the Instructions to Bidders.

****45 days** after the **end of the validity period** of the Bid. Date should be
inserted by the Employer before the Bidding documents are issued.

PERFORMANCE SECURITY

TO,

----- (Name of Employer)
----- (Address of Employer)

WHEREAS ----- (name and address of contractor) (hereafter called "the Contractor") has undertaken, in pursuance of Contracts No. ----- dates ----- to execute -----
----- (name of Contract and brief description of Works) (hereinafter called "The Contract")

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligation in accordance with the Contract.

AND WHEREAS we have agreed to give the Contractors such a bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you on behalf of the Contractor, up to a total of -----
(amount of guarantee)*----- (in words), such sum being payable in types and proportions of currencies in which the Contract prices is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of -----
(amount of guarantee) as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the contractor before presenting is with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract to of the Works to be performed thereunder or of any of the Contract documents which may be made between your and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such charge, addition or modifications.

This guarantee shall be valid until 60 days from the date of expiring of the Defect Liabilities period.

Signature and Seal of the guarantor -----

Name of Bank -----

Address -----

Date -----

*An amount shall be inserted by the Guarantor, representing the percentage the Contract price specified in the Contract denominated in Indian Rupees.

ADDITIONAL PERFORMANCE SECURITY

[Clause 34.1. (A)]

TO,

----- (Name of Employer)
----- (Address of Employer)

WHEREAS ----- (Name and address of contractor) (hereafter called "The Contractor") has undertaken, in pursuance of Contracts No. ----- dates ----- to execute -----
----- (Name of Contract and brief description of Works) (hereinafter called "The Contract")

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligation in accordance with the Contract.

AND WHEREAS we have agreed to give the Contractors such a bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you on behalf of the Contractor, up to a total of -----
(amount of guarantee)----- (in words), such sum being payable in types and proportions of currencies in which the Contract prices is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of -----
(amount of guarantee) as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the contractor before presenting is with the demand

We further agree that no change or addition to or other modification of the terms of the Contract to of the Works to be performed thereunder or of any of the Contract documents which may be made between your and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such charge, addition or modifications.

This guarantee shall be valid until **28 days** from the project completion date.

Signature and Seal of the guarantor -----

Name of Bank -----

Address -----

Date -----

BANK GUARANTEE FOR ADVANCE PAYMENT

TO,

----- (Name of Employer)

----- (Address of Employer)

----- (Name of Contractor)

Gentlemen:

In accordance with the provisions of the Conditions of Contract, sub-clause 51.1 ("Advance Payment") of the above mentioned Contract, ----- (name and address of Contractor) (hereinafter called "the Contractor") shall deposit with ----- (name of Employer) a bank guarantee his proper and faithful performance under the said Clause of the Contract in an amount of ----- (amount of Guarantee)* - ----- in words).

We, the ----- (bank of financial institution), as instructed by the Contractor, agree unconditionally and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to ----- (name of Employer) on his first demand without whatsoever right of obligation on our part and without his first claim to the Contractor, in the amount not exceeding --- ----- (amount of guarantee)* ----- (in words)

We further agree that no change or addition to or other modifications of the terms of the Contractor or Works to be performed thereunder or of any of the Contract documents which may be made between ----- (name of Employer) and the Contractor, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modifications.

This guarantee shall remain valid and in full effect from the date of the advance payment under the Contract until ----- (name of employer) receives full repayment of the same amount from the contractor.

YOUR'S TRULY

Signature and Seal _____
Name of Bank/ Financial Institution _____
Address _____
Date _____

* An amount shall be inserted by that Bank or Financial Institution representing the amount of the Advance Payment, and denominated in Indian Rupees.

Letter of Acceptance
(Letter head paper of the Employer)

_____ (date)

To, _____ (Name and address of the Contractor)

Dear Sirs,

This is to notify you that your Bid dated _____ for execution of the _____ (Name of the contract and identification number, as given in the Instructions to Bidders) for the Contract Price of Rupees _____ (_____) (amount in words and figures) as corrected and modified in accordance with the Instructions to Bidders* is hereby accepted by our agency.

You are requested to furnish performance security, in the form detailed in para 34.1 of ITB for an amount equivalent to Rs. _____ within **10 days** of the receipt of this letter of acceptance up to beyond **60 days** from the date of expiry of defects Liability period i.e. up to _____ and the Additional Performance Security for an amount equivalent to Rs. _____ shall be valid beyond 28 (twenty-eight) days of Project Completion Date i.e. up to _____ and sign the contract, failing which action as stated in Para 34.3 of ITB will be taken.

Yours Faithfully

Authorized Signature
Name and title of Signatory
Name of Employer

* Delete "Corrected and" or and modified if only one of these actions applies. Delete as corrected and modified in accordance with the Instructions to Bidders, if corrections or modifications have not been affected.

Issue of Notice to proceed with the work

(Letterhead of the Employer)

To, _____ (date)

_____ (Name and address of the Contractor)

Dear Sirs,

Pursuant to your furnishing the requisite security in ITB Clause 34.1 and
signing of the Contract for the construction of _____

_____ at a bid Price of Rs.

_____.

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

Yours faithfully

(Signature, name and title of signatory authorized
To sign on behalf of Employer)

AGREEMENT FORM

This agreement, made on the _____ day of _____ between _____ (name and address of Employer) (Hereinafter called "the Employer") and _____ (name and address of contractor) hereinafter called "the Contractor" of the other part.

Whereas the Employer is desirous that the Contractor execute

Name and identification number of contract (hereinafter called "the works") and the employer has accepted the Bid by the Contractor for the execution and completion of such works and the remedying of any defects therein, at a cost of Rs.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the conditions of contract hereinafter referred to and they shall be deemed to form and be read construed as part of this Agreement.
2. In Consideration of the payment to be made by the Employer to the contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to executive and complete the works and remedy any defects therein in conformity in all aspects with the provisions of the contracts.
3. The employer hereby covenants to pay the Contractor in consideration of the execution and completion of the works and the remedying the defects wherein contract price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the contract.
4. The Following documents shall be deemed to form and be ready and construed as part of this Agreement viz
 - i) letter of Acceptance
 - ii) Notice to proceed with the works:
 - iii) Contractor's Bid

- iv) Conditions of contract: General and Special
- v) Contract Data
- vi) Additional conditions
- vii) Drawings
- viii) Bill of Quantities and
- ix) Any other documents listed in the Contract data as forming part of the Contract.

In witness whereof the parties there to have caused this Agreement to be executed the day and year first before written

The Common seal of _____

Was hereunto affixed in the presence of :

Signed, sealed and Delivered by the said _____

In the presence of

Binding signature of Employer _____

Binding Signature of Contractor _____

UNDERTAKING

(For Investment)

I, the undersigned do hereby undertake that our firm M/s would invest a minimum cash up to **25%** of the value of the work during implementation of the contract.

(Signed by an Authorized officer of the firm)

Title of officer

Name of firm

DATE

UNDERTAKING
(For Validity)

I, the undersigned do hereby undertake that our firm M/s
..... agree to abide by this bid for a perioddays
for date fixed for receiving the same and it shall be binding on us and may be accepted at
any time before the expiration of that period.

(Signed by an Authorized officer of the firm)

Title of officer

Name of firm

DATE

The Agricultural Produce Market Committee UNJHA



DRAWINGS

NAME OF WORK:

**Construction of New Sub Market yard at Brahmanwada
R.S. NO-613 of A.P.M.C. Unjha. Under the scheme of
AMI sub scheme of ISAM**

ESTIMATED COST PUT TO TENDER ₹. 627789022.10

Chairman
APMC
Unjha

SECTION - 9
DRAWINGS

Attached separately

SECTION - 10
DOCUMENTS TO BE FURNISHED BY BIDDER