

क्रमांक/याँ०प्र०/०७/२०१७/११४४

भोपाल, दिनांक ११/०८/२०१७

प्रति,

आयुक्त,
नगर पालिक निगम, भोपाल, इंदौर,
ग्वालियर एवं जबलपुर
मध्यप्रदेश

विषय:-प्रधानमंत्री आवास योजना के AHP घटक अंतर्गत Neutral Technology आधारित Construction हेतु मॉडल निविदा प्रपत्र के संबंध में।

संदर्भ:-भारत सरकार, आवासन एवं शहरी कार्य मंत्रालय का पत्र दिनांक ३० मई, २०१६, १३ जनवरी, २०१७, एवं ३० जनवरी, २०१७, तथा निर्माण सामग्री एवं प्रौद्योगिकी संवर्द्धन परिषद् का पत्र दिनांक ९ मई, २०१६ एवं १० मई, २०१७।

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प्रधानमंत्री आवास योजना (सबके लिए आवास - शहरी) कार्यक्रम के दिशानिर्देश मार्च, २०१६ की कण्डिका ९ में आवासों को बनाने के लिए प्रौद्योगिकी उपमिशन की स्थापना करते हुए आधुनिक अभिनव एवं हरित Technology के उपयोग को प्रोत्साहन देने का उल्लेख किया गया है जिसके सम्बंध में केंद्रीय स्वीकृति एवं निगरानी समिति द्वारा Alternate एवं New Technology उपयोग करने की अपेक्षा की गई है। अतः इन तकनीकों का उपयोग करके आवास गृह बनाये जाने का निर्णय लिया गया है। निर्माण सामग्री एवं प्रौद्योगिकी संवर्द्धन परिषद् (BMTPC) द्वारा भवन निर्माण में उपयुक्त होने वाली विभिन्न तकनीकों का अनुमोदन करते हुए उनके उपयोग की अनुशंसा की गई है। Conventional Technology की तुलना में Alternate Technology का उपयोग करके निर्माण के समय में भी बचत देखी गई है।

म.प्र. के भोपाल, इंदौर, ग्वालियर तथा जबलपुर शहरों में बड़ी संख्या में AHP घटक के अंतर्गत आवास गृहों का निर्माण किया जाना है। अतः इन नगरीय क्षेत्रों में Conventional Technology के साथ-साथ Alternate Technology पर भवनों का निर्माण किया जा सकता है, साथ ही अन्य निकायों में भी Alternate Technology के विकल्प पर विचार किया जा सकता है।

निर्णय लिया गया है कि Conventional Technology के साथ-साथ किफायती निर्माण को दृष्टिगत रखते हुए इस प्रकार निविदायें आमंत्रित की जायें कि Conventional Technology पर निर्माण के प्रस्ताव के साथ Alternate Technology पर भी निर्माण कार्य के प्रस्ताव प्राप्त हो। अतः योजना के अंतर्गत बनाये जाने वाले भवनों एवं विकास कार्यों के लिए Technology Neutral निर्माण पद्धति के लिए आयुक्त, नगरीय प्रशासन एवं विकास द्वारा अनुमोदित निविदा प्रपत्र संलग्न कर आपकी ओर भेजा जा रहा है। इस निविदा प्रपत्र को उपयोग करते

हुए निर्माण कार्य संपादन करने का निर्णय नगरीय निकाय स्तर पर लिया जाये एवं अतिशीघ्र स्वीकृत आवास गृहों के लिए निविदायें आमंत्रित की जाये। इसकी जानकारी भी इस कार्यालय को उपलब्ध करायी जाये कि किस स्थान पर कितने आवास गृहों की योजना इस निविदा प्रपत्र को उपयोग करते हुए संपादित किया जाना प्रस्तावित है।

(संलग्न :- उपरोक्तानुसार।)

(प्रभाकान्त) कटारे

प्रमुख अभियंता,
नगरीय प्रशासन एवं विकास
मध्यप्रदेश, भोपाल

पृ.क्रमांक/यां.प्र./07/2017/9989

भोपाल, दिनांक 11/08/2017

प्रतिलिपि:-

समस्त संभागीय अधीक्षण यंत्री/कार्यपालन यंत्री, नगरीय प्रशासन एवं विकास मध्य प्रदेश को निर्देशित किया जाता है, संभाग अंतर्गत नगरीय निकायों द्वारा जारी की जाने वाली निविदाओं में अथवा जो निविदायें जारी हैं किन्तु उनके तकनीकी एवं वित्तीय प्रस्ताव प्राप्त न हुए हो तो उनमें यथा संशोधन तत्काल जारी करायें।

प्रमुख अभियंता,
नगरीय प्रशासन एवं विकास
मध्यप्रदेश, भोपाल

----- (Name of the ULB)

FOR

Neutral Technology Construction pattern based Tender for
Construction of Residential flats/ Houses including
development of internal infrastructure with the land at
_____ (location) under Pradhan
Mantri Awas Yojana (PMAY) in _____ (City)

NIT Number and Date : _____

Agreement Number and Date : _____

Name of Work : Neutral Technology Construction
pattern based Tender for Construction
of Residential flats/ Houses including
development of internal infrastructure
with the land at _____ (location)
under Pradhan Mantri Awas Yojana
(PMAY) in _____ (City).

Name of the Contractor : _____

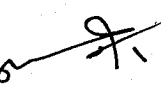
Probable Amount of Contract
(Rs. In Figure) : Lakhs.

(Rs. In Words) : lakhs

Contract Amount
(Rs. In Figure) : _____

(Rs. In Words) : _____

Stipulated Period of Completion : 18/24 Months (including rainy season)



Appendix 2.10 Tender Document

Table of Contents

Section No	Particulars	Page
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Section 3	Part - II Special Conditions of Contract (SCC)	
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SECTION 1
Notice Inviting e-Tenders
Government of Madhya Pradesh
(Name of City) Municipal Corporation

N.I.T. No. :-----

(Name of City), Dated -----

Online Neutral Technology based Bids are invited for the following works from contractors and firms fulfilling registration criteria:

S. No./ Package/ Code	Name of Work	District(s)	Probable Amount (Rs. in lakh)	Completion Period (months)
1	Neutral Technology Construction pattern based Tender for Construction of Residential flats/ Houses including development of internal infrastructure with the land at _____(location) under Pradhan Mantri Awas Yojana (PMAY) in _____(City)	(Name of City)		18/24 Months (including rainy season).

1. The interested bidders may view the Detailed Notice Inviting Tender on website <http://mpeproc.gov.in> from -----
2. The bid documents can be purchased online from 12:00 Noon of -----, 2017 to 5:30 PM of -----, 2017.
3. Amendments to this NIT would be published on website only, and not in news papers.

Commissioner
Municipal Corporation, (Name of City)

NOTICE INVITING e-TENDER
Government of Madhya Pradesh
(Name of City) Municipal Corporation

N.I.T. No _____/e-tender

dated _____

Online Neutral Technology based Bids are invited for the following works from contractors and firms fulfilling registration criteria:

S. No./ Package/ Code	Name of Work	Probable Amount of Contract (Rs. in	Earnest Money Deposit (EMD) (In lacs)	Cost of Bid Document (In Rupees)	Category of Contractor Centralized registration in MPPWD	Period of Completion (in Months)
1.	Neutral Technology Construction pattern based Tender for Construction of Residential flats/ Houses including development of internal infrastructure with the land at _____ (location) under Pradhan Mantri Awas Yojana (PMAY) in _____ (City)	A	18/24 Months (Including Rainy Season)

1. All details relating to the Bid Document(s) can be viewed and downloaded free of cost on the website <http://mpeproc.gov.in>
2. Bid Document can be purchased after making online payment of portal fees through Credit/Debit/Cash Card/internet banking.
3. At the time of submission of the Bid the eligible bidder shall be required to:
 - i) Pay the cost of Bid Document;
 - ii) Deposit the Earnest Money;
 - iii) Submit a check list; and
 - iv) Submit an affidavit.

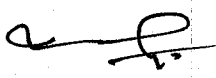
Details can be seen in the Bid Data Sheet

4. ELIGIBILITY FOR BIDDERS:

- (a) At the time of submission of the Bid the bidder should have valid registration with the Government of Madhya Pradesh, PWD in appropriate class. However, such bidders who are not registered with the Government of Madhya Pradesh and are eligible for registration can also submit their bids after having applied for registration with

appropriate authority.

- (b) The bidder would be required to have valid registration at the time of signing of the Contract.
 - (c) Failure to sign the contract by the selected bidder, for whatsoever reason, shall result in forfeiture of the earnest money deposit.
5. **Pre-qualification** – Prequalification conditions, wherever applicable, are given in the Bid Data Sheet.
 6. **Special Eligibility** – Special Eligibility Conditions, if any, are given in the Bid Data Sheet.
 7. The Bid Document can be purchased only online from 12:00 Noon of -----, 2017 to 5:30 PM of -----, 2017. (Date). Other key dates may be seen in bid data sheet.
 8. Amendments to NIT, if any, would be published on website only, and not in newspaper.
 9. Conditional tenders will not be accepted. Municipal Corporation reserves the rights to reject any or all the tenders without assigning any reasons thereof.
 10. Tender for Monolithic RCC technology shall not be accepted and contractors are requested not to quote for RCC Monolithic technology.



Commissioner
Municipal Corporation, (Name of City)

SECTION 2

INSTRUCTIONS TO BIDDERS (ITB)

A. GENERAL

1. SCOPE OF BID

The detailed description of work, hereinafter referred as 'work', is Construction of Houses and Development of Infrastructure for identified Localities in (Name of City), M.P. under PMAY at ---, shall be as under and shown in Bid Data Sheet.

2. The work has been split in to two components i.e.,

(I) Part-A: Construction and commissioning services of building on Turnkey basis;

(II) Part-B: Development and execution of infrastructure work on percentage rate basis.

The detailed scope of each component is given below.

2.1 Part – A: Drawings and Execution of work for houses on Turnkey basis:

2.1.1 Following details are provided to the bidder with tender documents.

- a) Unit plan
- b) Typical floor plan, parking and terrace plan
- c) Layout plan
- d) Elevation and Sections
- e) Cluster plan
- f) Doors & Window detail, Kitchen, wash, balcony, toilet detail plan and all other plumbing and sanitary detail drawings etc.
- g) Typical flooring detail plan
- h) All electrical work and fire-fighting works drawings.

(Refer Annexure – N for List of Drawings)

2.1.2 The work shall be executed on Turnkey basis from Structural Design, Construction and commissioning services including all necessary engineering survey, soil investigation, construction, structural designing, and method of erection in accordance with layout plan. The detailed structural drawings shall be prepared by contractor and approved by ULB and vetted by IIT/NIT or reputed Government Engineering Colleges.

2.1.3 Apart from conventional technology involving RCC formed structure with brick masonry and RCC slab building any contractor can use approved and proven, alternative construction material / technology for construction and development of the project except Monolithic RCC technology. However, the contractor shall have to provide for minimum specification as given in Appendix-A.

2.2 Part – B: Development and execution of Infrastructure work on Conventional technology on percentage rate basis:

Following details are provided to the bidder with tender documents.

- a) External development general arrangement drawings.
- b) General arrangement drawings for sewer, storm water drainage and water supply line.
- c) Landscaping plan of parks and plantation including shrubs and hedges.
- d) Road layout plan with cross-section of roads
- e) Location plan for STP, UGWT, pump house, water harvesting recharge pits.

(Refer Annexure – N for List of Drawings)

The infrastructure services like internal C.C. road, water supply with construction of underground sump, pump house, pumping machinery and connecting pipe line, Sewerage, storm water drainage percolating well for ground water recharge, paving works, development of garden, solar light, Transformers, DG sets Complete external electrical work, compound wall of plot boundary, Main entrance gates, approaches up to campus are covered under this Part.

3. Detailed scope of work:

The scope as described above is only indicative and not exhaustive. In additions to the above the contractor shall be responsible for executing all the items required for completing the houses in all respect to make the dwelling units habitable and ready for occupation and also all services, make the environment fit for habitation with electrical, horticultural, rain water harvesting works complete as per direction of Engineer-in-Charge. The above scope of work includes cost of all materials, manpower, equipment's, T&P fixtures, accessories, royalties, taxes, watch & ward, and all other essential elements for completion and maintenance of works as aforesaid whatsoever the approval accorded by ULB before acceptance of tender is only for tender evaluation. Any change, modification, revision etc. required to be done by ULB, proof consultants etc. in accordance with applicable standards and tender document will have to be done at contractor's cost and nothing extra shall be payable.

- a) The contractor will have to complete the works according to the layout plan and architectural drawings provided by ULB.
- b) The contractor will get the detailed soil investigation done, as per relevant IS code, NBC 2017 etc. as applicable through any approved lab. The ULB shall be free to verify the results submitted by the agency and take appropriate action
- c) Prepare complete structural design, structural drawing for foundation, super structure and for other related structures in the housing project i.e. UGWT, pump houses etc. to be provided in this housing scheme as per provision contained in IS code/ relevant codes. **The contractor shall have to provide for minimum specification as given in Appendix-A**
- d) The structural drawing shall be prepared by the contractor and approved by ULB after vetting by IIT/NIT or reputed Government Engineering Colleges. If any modification in design/ drawing is needed, the agency shall in this regard have to carry out such modifications without

any extra cost. The decision of the Municipal Commissioner shall be final and binding and no claim what so ever will be entertained.

- e) Provision of protection against seismic forces as per relevant IS codes for structure in Madhya Pradesh.
- f) Preparing drawing for internal services and execution of the same i.e. internal sanitary work, water supply work, drainage system etc. complete for the building including all pipes, its fittings, testing etc. complete with prior approval of EIC.
- g) Construction includes construction and finishing of the flats complete as well as related structure in this project as per specifications provided by ULB.

Note:- Land plan attached below is as per ULB record, Bidder has to visit site prior to furnishing the bids and also to carry out preliminary survey to ascertain land area and other data required for submission of bids.

4. INSTRUCTION FOR BIDDING FOR ALTERNATIVE BUILDING MATERIAL / TECHNOLOGY FOR (Clause 2.1)

Apart from conventional technology, any contractor can use approved and proven alternative construction material / technology for construction and development of the project except Monolithic RCC technology.

Conventional or Traditional building technology shall mean conventional building construction having framed structure of RCC with BB masonry, fly ash bricks or CC blocks etc.”.

4.1 The following additional certificates should be submitted in Part A:

Part-A Certification:

4.1.1 The alternate technology / materials must have the following certification:

- a) The technology adopted shall be approved by Building Materials and Technology Promotion Council (BMTPC).
- b) For the purpose of testing and quality assurance, either (i) Building materials used in technology should have IS codes or (ii) the institutions specified at 4.1.1 (a) above must have also certified construction manual and quality assurances plan including material testing.
- c) The contractor/technology provider should produce all the certificates relevant to the above clauses.

4.1.2 The above clarification should include the following critical quality aspects:

- a) Structural strength, serviceability, durability and stability
- b) Structural life of minimum 50 years.
- c) Thermal and energy performance and/ or efficiency

- d) Water penetration
- e) Behavior in fire
- f) Overall Durability
- g) Behavior against other natural hazards, like earthquake, flood, cyclone.
- h) Construction methodology.
- i) Quality assurance including material testing.
- j) The value of the above criteria should be at least as much as provided by the traditional building technology as provided in this tender document or more.
- k) The contractor shall have to provide for minimum specification as given in Appendix-A.

4.1.3 Other Certifications:

The developer/contractor should produce Certification of the following by a licensed structural Engineer:

- a) **Structural safety:** conforming with IS Codes, resistance to static and dynamic actions, both individually and in combination, impacts, intentional and unintentional abuse, accidental actions.
- b) **Structural serviceability:** resistance to loss of function, damage and avoidance of user comfort.
- c) **Structural durability:** performance retention of the structure (a structural warranty of minimum 50 years).
- d) The proposals and costs must be based for plans for a specified area strictly and overall scheme.
- e) The contractor shall arrange necessary training for the use and maintenance of the product, if needed.
- f) If needed, briefing session and exhibition of the construction technology shall be arranged prior opening of price bid.
- g) To ensure sustainability after the house has been constructed, the contractor shall ensure that an effective maintenance team is in place and trained from day one, including the beneficiary, if needed.

4.1.4 Details to be submitted by the Contractor in case of alternative technology

- a) While giving proposal for alternative technology the contractor shall submit the following.
- b) Product description
- c) Detailed technical information on how all the materials of the technology (including testing of the materials) meet IS Codes OR certification in this respect given by the abovementioned institution.
- d) Construction methodology.
- e) Design assumptions, detailed calculations, references to the necessary design standards and detailed design drawings.

- f) Design calculations
- g) The structural design calculations must clearly demonstrate structural integrity and stability, including connection details
- h) Design calculations should have proper sketches annotated in English.
- i) Quality Assurance Plan
- j) The screening committee will evaluate the technology on the basis of documents / certificates design which will be submitted by the developer / contractor as mentioned in the details of submission.

4.1.5 Bidding Condition:

- a) The minimum criteria for project will be applicable to the bid with alternative building material / technology which shall have to fulfill all the technical criteria mentioned in Annexure –C for alternative technology in order to be technically qualified.
- b) The minimum specification for interior and exterior finishing items can be suitably modified in accordance with alternative building material / technology such that the impact / effect of final finish is either maintained or enhanced than of conventional finish.
- c) Once shortlisted as technically qualified, its price bids will be opened with all other price bids. There shall not be any additional weightage for alternative building material / technology.
- d) For plants and equipment, the agency should provide details with respect to those items applicable to it as in page as well as details of plants and equipment that will be required by it in addition to what is mentioned in annexure I-4 and I-5 with such capacity as required to complete the project within given time schedule. Any important omission in this regard shall render the bidder technically disqualified.
- e) The technology submitted shall be technology approved by **BMTPC** and certification of the same shall be submitted by the bidder.

5. INSTRUCTIONS FOR BIDDING FOR INFRASTRUCTURE DEVELOPMENT (Clause 2.2)

- 5.1 **Water supply:** water supply lines will be laid as per scheme prepared approved as specified by ULB.
- a) UGR of the required capacity/ of the quantity as per drawing and specifications approved by ULB.
 - b) construction/ installation of underground reservoirs, water gallery pump houses for water supply, for fire-fighting tank including installing of pumps, standby pumps, etc. as per approved drawings/ specifications or as directed by Engineer-in-charge.
 - c) Pumping arrangement from UGWT to OHT of each block shall have to be provided by contractor after approval of Engineer In-Charge.

5.2 Sewerage:

- a) Internal storm water drains to be constructed with Rain water harvesting system as per drawings, specifications and approved norms.
- b) Execution of all services like water supply, rain water harvesting system, sewerage, drainage system, roads, paths and all connected sub structures and super structures within the premises, as per bye laws and norms of the ULB including making connections with the peripheral services. It is also clarified that scope of work/ tender includes cost of getting the services approved from the services provider as aforesaid and the services charges including supervision charges, if any, payable to the service provider. The cost of deficiency charges and rectifications of any defect at the end of the job is also to be borne by the contractor.

5.3 Landscaping: Landscaping work including parks, plantation, grass, shrubs and hedges execution of the same with following:

- a) Complete leveling/ dressing including filling of earth, its supply, disposal of surplus earth, (if any) shall be the property of ULB & will be disposed to the approved disposal point or at the place as directed by engineer in charge. No extra payment for disposal shall be allowed.

5.4 C.C. Roads: Construction of cement concrete roads should be as per road layout plan, cross-section plans provided by ULB. All road works shall be carried out in accordance with MORT&H latest specifications and IRC standards.

5.5 Construction of boundary wall for the whole scheme area, MS gate,, dustbin, sign boards, guide map, location board, direction boards, numbering of housing etc, if required all complete as per drawing provided and instructions of EIC by ULB.

5.6 The site has to be kept clean all the time of all debris, rubbish, dirt & surplus/waste material.

5.7 De-silting in requisite components will also be done by the agency before handing over the completed housing project to ULB. All machine, equipment and labour for this purpose will be arranged by contractor.

5.8 Internal & external electrification work as per specification given in the tender document & directions of ULB as per scope of work & specifications appended with the NIT which includes L T supply, water supply arrangement, fire-fighting, lifts, for both the interior and exterior of buildings.

5.9 Maintenance of building activities, such as cleaning, sweeping of project & de-silting of sewer lines, S.W. Drain shall be done only once prior to handing over the respective project.

5.10 The final ground level will be decided soon after actual start of work to avoid water logging at site.

6. GENERAL QUALITY OF WORK:

The work shall have to be executed in accordance with the technical specifications specified in the Bid Data sheet/ Contract Data, and shall have to meet high standards of workmanship, safety and security of workmen and works.

7. PROCEDURE FOR PARTICIPATION IN E-TENDERING

The procedure for participation in e-tendering is given in the Bid Data Sheet.

8. ONE BID PER BIDDER

8.1 The bidder can be an individual entity or a joint venture (if permitted as per Bid Data Sheet). In case the J.V. is permitted, the requirement of joint venture shall be as per the Bid Data Sheet.

8.2 No bidder shall be entitled to submit more than one bid whether jointly or severally. If he does so, all bids wherein the bidder has participated shall stand disqualified.

8.3 In case of Bid submitted by the Joint Venture only lead member should be essentially registered in appropriate class of Registration with the Government of Madhya Pradesh or registered with Central Government / State Government / PSUs but The lead member would be required to have valid registration with MPPWD in appropriate class at the time of signing of the Contract.

9. Cost of Bidding

The bidder shall bear all costs associated with the preparation and submission of his bid, and no claim whatsoever for the same shall lie on the Government.

10. Site Visit and examination of works

The bidder is advised to visit and inspect the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the work. All costs in this respect shall have to be borne by the bidder.

B. Bid Documents

11. CONTENT OF BID DOCUMENTS

The Bid Document comprises of the following documents:

1. NIT with all amendments

2. Instructions to Bidders, Bid Data Sheet with all Annexures

3. Conditions of Contract:

i. Part I General Conditions of Contract and the Contract Data with all Annexures;
and

ii. Part II Special Conditions of Contract.

4. Specifications
5. Drawings
6. Priced Bill of Quantities
7. Technical and Financial Bid. The specification proposed in Appendix A shall also from a part of Financial Bid.
8. Letter of Acceptance
9. Agreement, and
10. Any other document(s), as specified.

12. The bidder is expected to examine carefully all instructions, conditions of contract, the contract data, forms, terms and specifications, bill of quantities, forms and drawings in the Bid Document. Bidder shall be solely responsible for his failure to do so.

13. **PRE-BID MEETING**

Wherever the Bid Data Sheet provides for pre-bid meeting:

- 13.1 Details of venue, date and time would be mentioned in the Bid Data Sheet. Any change in the schedule of pre-bid meeting would be communicated on the website only, and intimation to bidders would not be given separately.
- 13.2 Any prospective bidder may raise his queries and/or seek clarifications in writing before or during the pre-bid meeting. The purpose of such meeting is to clarify issues and answer questions on any matter that may be raised at that stage. The Employer may, at his option, give such clarifications as are felt necessary.
- 13.3 Minutes of the pre-bid meeting including the gist of the questions raised and the responses given together with any response prepared after the meeting will be hosted on the website.
- 13.4 Pursuant to the pre-bid meeting if the Employer deems it necessary to amend the Bid Document, it shall be done by issuing amendment to the online NIT.

14. **AMENDMENT OF BID DOCUMENTS**

- 11.1 Before the deadline for submission of bids, the Employer may amend or modify the Bid Documents by publication of the same on website.
- 11.2 All amendments/corrigendums shall form part of the Bid Document.
- 11.3 The Employer may, at its discretion, extend the last date for submission of bids by publication of the same on the website.

C. Preparation of Bid

15. The bidders have to prepare their bids online, encrypt their Bid Data in the Bid Forms and submit Bid Seals (Hashes) of all the envelopes and documents related to the Bid required to be uploaded as per the time schedule mentioned in the key dates of the Notice Inviting e-Tenders after signing of the same by the Digital Signature of their authorized representative.

16. DOCUMENTS COMPRISING THE BID

The bid submitted online by the bidder shall be in the following parts:

Part 1 – This shall be known as Online **Envelope A** and would apply for all bids. Online **Envelope A** shall contain the following as per details given in the Bid Data Sheet:

- i) Registration number or proof of application for registration and organizational details in format given in the Bid Data Sheet.
- ii) Payment of the cost of Bid Document;
- iii) Earnest Money; and
- iv) An affidavit duly notarized.

Part 2 – This shall be known as Online **Envelope B** and required to be submitted only in works where pre-qualification conditions and/or special eligibility conditions are stipulated in the Bid Data Sheet. Online **Envelope B** shall contain a self-certified sheet duly supported by documents to demonstrate fulfillment of pre-qualification conditions.

Part 3 – This shall be known as Online **Envelope C** and would apply to all bids. **Envelope C** shall contain financial offer in the prescribed format enclosed with the Bid Data Sheet.

17. LANGUAGE

The bid as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Employer shall be in English. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in English. In such case, for the purposes of interpretation of the bid, such translation shall govern.

18. TECHNICAL PROPOSAL

18.1 Only, in case of bids with pre-qualification conditions defined in the Bid Data Sheet, the Technical Proposal shall comprise of formats and requirements

given in the Bid Data Sheet.

- 18.2** All the documents/ information enclosed with the Technical Proposal should be self-attested and certified by the bidder. The Bidder shall be liable for forfeiture of his earnest money deposit, if any document / information are found false/ fake/ untrue before acceptance of bid. If it is found after acceptance of the bid, the bid sanctioning authority may at his discretion forfeit his performance security/ guarantee, security deposit, enlistment deposit and take any other suitable action.

19. FINANCIAL BID

- 19.1** The bidder shall have to quote rates in format referred in Bid Data Sheet. Rate in per Sqm. in Indian Rupees for Part A (i.e, Construction of houses) & Overall percentage for Part B (i.e, Infrastructure Development) items. The overall percentage rate would apply for all items of work of part B. The specification of the proposed work for which rate in per square meter is being quoted by the contractor shall also be enclosed with the Financial Bid.
- 19.2** Rate per sqm. / Percentage rate shall be quoted in figures as well as in words. If any difference in figures and words is found, lower of the two shall be taken as valid and correct.
- 19.3** The bidder shall have to quote rates inclusive of all duties, taxes including GST, royalties and other levies; and the Employer shall not be liable for the same.
- 19.4** The material along with the units and rates, which shall be issued, if any, by the department to the contractor, is mentioned in the Bid Data Sheet.

20. PERIOD OF VALIDITY OF BIDS

The bids shall remain valid for a period specified in the Bid Data Sheet after the date of "close for bidding" as prescribed by the Employer. The validity of the bid can be extended by mutual consent in writing.

21. EARNEST MONEY DEPOSIT (EMD)

- 21.1** The Bidder shall furnish, as part of the Bid, Earnest Money Deposit (EMD), in the amount specified in the Bid Data Sheet.
- 21.2** The EMD shall be in the form of Fixed Deposit Receipt of a scheduled commercial bank, issued in favor of the name given in the Bid Data Sheet. The Fixed Deposit Receipt shall be valid for six months or more after the last date of receipt of bids. However, other form(s) of EMD may be allowed by the Employer by mentioning it in the Bid Data Sheet.
- 21.3** Bid not accompanied by EMD shall be liable for rejection as non-responsive.

- 21.4 EMD of bidders whose bids are not accepted will be returned within ten working days of the decision on the bid.
- 21.5 EMD of the successful Bidder will be discharged when the Bidder has signed the Agreement after furnishing the required Performance Security.
- 21.6 Failure to sign the contract by the selected bidder, within the specified period, for whatsoever reason, shall result in forfeiture of the earnest money deposit.

D. Submission of Bid

- 22. The bidder is required to submit online bid duly signed digitally, and Envelop 'A' in physical form also at the place prescribed in the Bid Data Sheet.

E. Opening and Evaluation of Bid

23 PROCEDURE

- 23.1 Envelope 'A' shall be opened first online at the time and date notified and its contents shall be checked. In cases where Envelop 'A' does not contain all requisite documents, such bid shall be treated as non-responsive, and Envelop B and/or C of such bid shall not be opened.
- 23.2 Wherever Envelop 'B' (Technical Bid) is required to be submitted, the same shall be opened online at the time and date notified. The bidder shall have freedom to witness opening of the Envelop 'B'. Envelop 'C' (Financial Bid) of bidders who are not qualified in Technical Bid (Envelop 'B') shall not be opened.
- 23.3 Envelope 'C' (Financial Bid) shall be opened online at the time and date notified. The bidder shall have freedom to witness opening of the Envelop 'C'.
- 23.4 After opening Envelop 'C' all responsive bids shall be compared to determine the lowest evaluated bid.
- 23.5 The Employer reserves the right to accept or reject any bid, and to annul the bidding process and reject all the bids at any time prior to contract award, without incurring any liability. In all such cases reasons shall be recorded.
- 23.6 The Employer reserves the right of accepting the bid for the whole work or for a distinct part of it.

24. Confidentiality

- 24.1 Information relating to examination, evaluation, comparison and recommendation of contract award shall not be disclosed to bidders or any other person not officially concerned with such process until final decision on the bid.
- 24.2 Any attempt by a bidder to influence the Employer in the evaluation of the

bids or contract award decisions may result in the rejection of his bid.

F. Award of Contract

25. Award of Contract

The Employer shall notify the successful bidder by issuing a 'Letter of Acceptance' (LOA) that his bid has been accepted.

26. Performance Security

26.1 Prior to signing of the Contract the bidder to whom LOA has been issued shall have to furnish performance security of the amount in the form and for the duration, etc. as specified in the Bid Data Sheet.

26.2 Additional performance security, if applicable, is mentioned in the Bid Data Sheet and shall be in the form and for the duration etc. similar to Performance Security.

27. Signing of Contract Agreement

27.1 The successful bidder shall have to furnish Performance Security and Additional Performance Security, if any, and sign the contract agreement within 15 days of issue of LOA.

27.2 The signing of contract agreement shall be reckoned as intimation to commencement of work. No separate work order shall be issued by the Employer to the contractor for commencement of work.

27.3 In the event of failure of the successful bidder to submit Performance Security and Additional Performance Security, if any or sign the Contract Agreement, his EMD shall stand forfeited without prejudice to the right of the employer for taking any other action against the bidder.


28. CORRUPT PRACTICES

The Employer requires that bidders observe the highest standard of ethics during the procurement and execution of contracts. In pursuance of this policy, the Employer:

28.1 may reject the bid for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract; and

28.2 may debar the bidder declaring ineligible, either indefinitely or for a stated period of time, to participate in bids, if it at any time determines that the bidder has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, a contract.

For the purposes of this provision, the terms set forth above are defined as follows:

- 
- a) "corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party;
 - b) "fraudulent practice" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
 - c) "coercive practice" means impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
 - d) "collusive practice" means an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party.

[End of ITB]

Bid Data Sheet

GENERAL

SR. No.	PARTICULARS	DATA
1	Office inviting tender	Commissioner (Name of City) Municipal Corporation
2	NIT No	-----
3	Date of NIT	-----
4	Bid document download available from date & time	-----
5	Website link	http:// www.mpeproc.gov.in

SECTION 1 – NIT

CLAUSE REFERENCE	PARTICULARS	DATA
2	Portal fees	Rs.
3	Cost of bid document	Rs. -----/(As per Norms)
	Cost of bid document Payable at	Online
	Cost of bid document In favor of	Commissioner (Name of City) Municipal Corporation (Online)
4	Affidavit format	Annexure B
5	Pre-qualifications required	YES
	If Yes, details	Annexure C
6	Special Eligibility	NO
	If Yes, details	Annexure D
	Key dates	Annexure A

SECTION 2 - ITB

CLAUSE REFERENCE	PARTICULARS	DATA
1	Name of 'work'	Construction of Houses and Development of Infrastructure for Identified Localities in '(Name of City)' M.P under PMAY at (Name of Location).
2	Specifications	Annexure – E
3	Procedure for participation in e-tendering	Annexure – F
4	Whether Joint Venture is allowed	YES
	Pre bid meeting to be held	YES
9	If Yes, Date, Time & Place	Date : ----- Time from: -----

Bid Data Sheet

CLAUSE REFERENCE	PARTICULARS	DATA
12	Envelope-A containing : i. Registration number or proof of application for registration and organizational details as per Annexure H ii. Cost of Bid Document iii. EMD iv. An affidavit duly notarized as per Annexure – B should reach in physical form	
14	Envelope-B Technical Proposal	Annexure - I and Annexure - I (Format I-1 to I-6)
15	Envelope-C Financial Bid Materials to be issued by the department	Annexure - J Not Applicable (Annexure - K)
16	Period of Validity of Bid	120 Days
17	Earnest Money Deposit Forms of Earnest Money Deposit	Rs. Rs./- i. FDR/ e-FDR ii. Demand draft of scheduled commercial bank iii. Interest bearing securities of post office.
	EMD valid for a period of	Six Months after the last date of receipt of bids
	FDR must be drawn in favour of	Commissioner / Chief Municipal officer Municipal Corporation / Municipal Council / Nagar Parishad
19	Schedule of Rates applicable for Part B i.e., Infrastructure Development Work	UADD SOR Detail: i) _____ ii) _____ iii) _____ amended upto the date of issue of NIT
21	Letter of Acceptance (LoA)	Annexure L
22	Amount of Performance Security	5% of contract amount
	Additional Performance Security, if any	NIL
	Performance security in the format	Annexure M
	Performance security in favour of	Commissioner / Chief Municipal officer Municipal Corporation / Municipal Council / Nagar Parishad
	Performance security valid up to	Valid Contract period plus 3 months

KEY DATES

Purchase of Tender Start Date :		Pre-bid meeting Date and Time:	
Purchase of Tender End Date:		Online Bid Submission End Date:	
Physical Bid Submission End Date:		Envelope-A Open Date:	
Envelope-B(Technical Bid) Open Date:		Envelope-C (Financial Bid) Open Date:	

Original term deposit receipt of earnest money deposit, demand draft for the cost of bid document and affidavit shall be submitted by the bidder so as to reach the office as prescribed in Bid Data Sheet, at least one calendar day before specified start time and date in key dates for opening of technical proposal as per Key dates in Bid Data Sheet

|| AFFIDAVIT ||**(To be contained in Envelope A)***(On Non Judicial Stamp of Rs. 100)*

I/we _____ who is/ are _____ (status in the firm/ company) and competent for submission of the affidavit on behalf of M/S _____ (contractor) do solemnly affirm an oath and state that:

I/we am/are fully satisfied for the correctness of the certificates/records submitted in support of the following information in bid documents which are being submitted in response to notice inviting e-tender No. _____ for _____ (name of work) dated _____ issued by the _____ (name of the department).

I/we am/are fully responsible for the correctness of following self-certified information/ documents and certificates:

1. That the self-certified information given in the bid document is fully true and authentic.
2. That:
 - a. Term deposit receipt deposited as earnest money, demand draft for cost of bid document and other relevant documents provided by the Bank are authentic.
 - b. Information regarding financial qualification and annual turnover is correct.
 - c. Information regarding various technical qualifications is correct.
3. No close relative of the undersigned and our firm/ company is working in the department.

OR

Following close relatives are working in the department:

Name _____ Post _____ Present Posting _____

Signature with Seal of the Deponent (bidder)

I/ We, _____ above deponent do hereby certify that the facts mentioned in above paras 1 to 4 are correct to the best of my knowledge and belief.

Verified today _____ (dated) at _____ (place).

Signature with Seal of the Deponent (bidder)

Note: Affidavit duly notarized in original shall reach at least one calendar day before opening of the bid.

PRE-QUALIFICATIONS CRITERIA

1. The bidder should have:

A. Financial & Physical -For Conventional Technology or Neutral Technology Construction pattern

- i. Experience of having successfully executed as prime contractor:
 - a) three similar works each costing not less than the amount equal to 20% of the probable amount of contract each work, having built-up area not less than 20% and height not less than 2/3rd of the height of the building proposed for construction in this NIT during the last 5 financial years; or
 - b) two similar works each costing not less than the amount equal to 30% of the probable amount of contract each work, having built-up area not less than 30% and height not less than 2/3rd of the height of the building proposed for construction in this NIT during the last 5 financial years; or
 - c) one similar work of aggregate cost not less than the amount equal to 50% of the probable amount of contract each work, having built-up area not less than 50% and height not less than 2/3rd of the height of the building proposed for construction in this NIT during the last 5 financial years;

Note:-

- i) The cost of executed work in the above shall be the payment received in the contract for the work. In case the executed work is a completed work, the original cost of work can be adjusted as per increase in Whole Sale Price Index (WPI) as given by Reserve Bank of India, from the date of work order of the subjected work to till date. The certificate of the Chartered Accountant be produced for cost adjustment.
- ii) The similar work shall mean a housing project, office building project, administrative building project or institutional building project
- iii) Bidder should have executed similar works as stipulated in the eligibility criteria with the technology proposed for the construction of houses.
- iv) Certificate issued by the Principal Employer should be submitted for each completed similar work. In case the Principal Employer is a private entity, the certificate from the Principal Employer shall be accompanied by a certificate of the Statutory Auditor regarding financial figures.
- v) Bidder will be allowed to construct houses by using Conventional technology or alternate building material /technology except **Monolithic RCC technology**. While bidding, the bidder shall clearly mention the technology which he is going to use for this project. However, for quoting rates and for financial evaluation all types of technologies be treated at par. The technology with which bidder has become eligible will be followed for the execution of work. Any alteration in technology with

which bidder has succeeded in becoming eligible, will not be allowed. For proposed buildings structures the agency will have to get approval of structural analysis and design from IIT/NIT or reputed Government Engineering Colleges, etc

2. Average annual construction turnover on the construction works not less than 50% of the probable amount of contract during the last 5 financial years.
3. The Bidder shall have positive net-worth as per the audited Balance Sheet of last financial year.
4. ULB reserves the right to ask for additional information or supporting documents, if required regarding the information submitted in the bid.

SPECIAL ELIGIBILITY CRITERIA

The bidder should have experience of:

NIL

SPECIFICATIONS

1. UADD, Specification / ISSR 2012, amended up to date of NIT
2. CPWD, Specifications, amended up to date of NIT.
3. National Building Code of India, amended up to date of NIT.
4. As per enclosed ANNEXURE – E1

(ANNEXURE - E1 Detailed
Specification Shall be enclosed
by concerned ULB as per DPR .)

The provisions of general / special conditions of contract, those specified elsewhere in the bid document, as well as execution drawings and notes, or other specifications issued in writing by the Employer shall form part of the technical specifications of this work.

Procedure for Participation in e-Tendering

1. Registration of Bidders on e-Tendering System:

All the PWD registered bidders are already registered on the new e-procurement portal <https://www.mpeproc.gov.in>. The user id will be the contractor ID provided to them from MP Online. The password for the new portal has been sent to the bidders registered email ID. For more details may contact M/s. Tata Consultancy Services Corporate Block, 5th Floor, DB City BHOPAL-462011 email id: eproc_helpdesk@mpsdc.gov.in. Helpdesk phone numbers are available on website.

2. Digital Certificate:

The bids submitted online should be signed electronically with a Class III Digital Certificate to establish the identity of the bidder submitting the bid online. The bidders may obtain Class III Digital Certificate issued by an approved Certifying Authority authorized by the Controller of Certifying Authorities, Government of India. A Class III Digital Certificate is issued upon receipt of mandatory identity proofs along with an application. Only upon the receipt of the required documents, a Digital Certificate can be issued. For details please visit cca.gov.in.

Note:

- i. *It may take upto 7 working days for issuance of Class-III Digital Certificate; hence the bidders are advised to obtain the certificate at the earliest. Those bidders who already have valid Class-III Digital Certificate need not obtain another Digital Certificate for the same.*
The bidders may obtain more information and the Application Form required to be submitted for the issuance of Digital Certificate from cca.gov.in
- ii. *Bids can be submitted till bid submission end date. Bidder will require digital signature while bid submission.*

The digital certificate issued to the Authorized User of a Partnership firm / Private Limited Company / Public Limited Company and used for online bidding will be considered as equivalent to a no-objection certificate / power of attorney to that user.

In case of Partnership firm, majority of the partners have to authorize a specific individual through Authority Letter signed by majority of the partners of the firm. In case of Private Limited Company, Public Limited Company, the Managing Director has to authorize a specific individual through Authority Letter. Unless the certificate is revoked, it will be assumed to represent adequate authority of the specific individual to bid on behalf of the organization for online bids as per information Technology Act 2000. This Authorized User will be required to obtain a Digital Certificate. The Digital Signature executed through the use of Digital Certificate of this Authorized User will be binding on the firm. It shall be the responsibility of Management / Partners of the concerned firm to inform the Certifying Authority, if the Authorized User changes, and apply for a fresh Digital Certificate for the new Authorized User.

3. Set Up of Bidder's Computer System:

In order for a bidder to operate on the e-tendering System, the Computer System of the bidder is required to be set up for Operating System, Internet Connectivity, Utilities, Fonts, etc. The details are available at <https://www.mpeproc.gov.in>

4. **Key Dates:**

The bidders are strictly advised to follow the time schedule (Key Dates) of the bid on their side for tasks and responsibilities to participate in the bid, as all the stages of each bid are locked before the start time and date and after the end time and date for the relevant stage of the bid as set by the Department.

5. **Preparation and Submission of Bids**

The bidders have to prepare their bids online, encrypt their bid Data in the Bid forms and submit Bid of all the envelopes and documents related to the Bid required to be uploaded as per the time schedule mentioned in the key dates of the Notice inviting e-Tenders after signing of the same by the Digital Signature of their authorized representative.

6. **Purchase of Bid Document**

For purchasing of the bid document bidders have to pay Service Charge online ONLY which is Rs. [as per Bid Date Sheet]. Cost of bid document is separately mentioned in the Detailed NIT. The Bid Document shall be available for purchase to concerned eligible bidders immediately after online release of the bids and upto scheduled time and date as set in the key dates.

The payment for the cost of bid document shall be made online through Debit/ Credit card, Net banking or NeFT Challan through the payment gateway provided on the portal.

7. **Withdrawal, Substitution and Modification of Bids**

Bidder can withdraw and modify the bid till Bid submission end date.

JOINT VENTURE (J.V.)

If J.V. is allowed following conditions and requirements must be fulfilled –

1. Number of partners in a Joint Venture shall not exceed 3 (three). The partners shall comply with the following requirements :
 - a. One of the partners shall be nominated as being Lead Partner, and this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the partners;
 - b. The bid and, in case of successful bid, the Agreement, shall be signed so as to be legally binding on all partners;
 - c. The partner in charge shall be authorized to incur liabilities and receive instructions for and on behalf of any and all partners of the joint venture and the entire execution of the contract, including payment, shall be done exclusively with the partner in charge;
 - d. All the partners of the joint venture shall be liable jointly and severally for the execution of the contract in accordance with the contract terms, and a statement to this effect shall be included in the authorization mentioned under [c] above, as well as in the bid and in the Agreement [in case of successful bid];
 - e. Bidder shall submit the joint venture agreement indicating precisely the role and responsibilities of all the members of JV in respect of planning, design, construction equipment, key personnel, work execution, and financing of the project. All members of JV should have active participation in execution during the currency of the contract. This should not be varied/modified subsequently without prior approval of the employer;
 - f. a copy of the Joint Venture Agreement entered into by the partners shall be submitted with the bid.
 - g. The joint venture agreement shall be registered at the time of agreement, so as to be legally valid and binding on all partners.
2. All the partners should meet out the minimum qualifying criteria required for the bid and collectively must meet the criteria specified in full. Failure to comply with this requirement will result in rejection of the joint venture's bid.
3. The performance security of joint venture shall be in the name of the partner Lead partner/joint venture.
4. Attach the power of attorney of the partners authorizing the Bid signatory(ies) on behalf of the joint venture
5. An individual Bidder cannot at the same time be member of a Joint Venture applying for this Bid. Further, a member of a particular Bidder Joint Venture cannot be member of any other Bidder Joint Venture applying for this bid.
6. A copy of the Joint Venture agreement entered into by the partners made on Rs 500/- Non-judicial stamp duly notarized shall be submitted with the bid. However at the time of agreement bidder shall get the joint venture agreement registered, so as to be legally valid and binding on all partners.
7. Furnish details of participation proposed in the joint venture as below:

PARTICIPATION DETAILS	FIRM 'A' (Lead partner)	FIRM 'B'	FIRM 'C'
Financial			
Name of the Banker(s)			
Planning			
Construction Equipment			
Key personnel			
Execution of Work (Give details on contribution of each)			

8. The partners of J.V. should satisfy the qualification criteria as below,
 - a. The Lead Partner must have the share of 51% in the J.V.
 - b. The other partner(s) must have a share of minimum 24% in the J.V.
 - c. The lead partner and the other partners must also meet 51% and 24% of the all qualification criteria respectively except for the requirement of work experience described in Annexure 'C'. All the partners must satisfy the full (100%) qualification criteria jointly. For this purpose the qualification of individual partners shall be added (for annual average turnover, Net worth).

9. For the meeting the minimum qualification criteria of experience of similar nature work for Conventional Technology or work for Alternative Technology / Material,
- i. Out of 3 similar works of value more than 20% of PAC, at least 2 works must be done by lead partner and one work to be done by other partner,
Or
 - ii. Out of 2 similar works of value more than 30% of PAC, at least 1(one) work must be done by lead partner and 1 (one) work to be done by other partner,
Or
 - iii. In case of one similar work of value more than 50% of PAC the lead partner must satisfy the criteria. However the other partner must satisfy the criteria of least one work of 20% of PAC.

ORGANIZATIONAL DETAILS

(To be Contained in Envelope - A)

S. No.	Particulars	Details
1.	Valid Registration of bidder in appropriate class through Centralized Registration of Government of MP	Registration No. _____ Date _____ (Scanned copy of Registration to be uploaded)
2.	Name of Organization/ Individual/ Proprietary Firm/ Partnership Firm	
3.	Entity of Organization Individual/ Proprietary Firm/ Partnership Firm (Registered under Partnership Act)/ Limited Company (Registered under the Companies Act 1956)/ Corporation/ Joint Venture	
4.	Address of Communication	
5.	Telephone Number with STD Code	
6.	Fax Number with STD Code	
7.	Mobile Number	
8.	E-mail Address for all communications	
	Details of Authorized Representative	
9.	Name	
10.	Designation	
11.	Postal Address	
12.	Telephone Number with STD Code	
13.	Fax Number with STD Code	
14.	Mobile Number	
15.	E-mail Address	

Note: *In case of partnership firm and limited company certified copy of partnership deed/ Articles of Association and Memorandum of Association along with registration certificate of the company shall have to be enclosed.*

Signature of Bidder with Seal

Date: _____

Envelope – B, Technical Proposal

Technical Proposal shall comprise the following documents:

S No.	Particulars	Details to be submitted
1	Experience – Financial & Physical	Annexure - I (Format: I-1)
2	Annual Turnover	Annexure - I (Format: I-2)
3	List of technical personnel for the key positions	Annexure - I (Format: I-3)
4	List of Key equipments/ machines for quality control labs	Annexure - I (Format: I-4)
5	List of Key equipments/ machines for construction work	Annexure - I (Format: I-5)
6	Details of Pending Litigations	Annexure-I (Format:I-6)

 Note:

1. Technical Proposal should be uploaded duly page numbered and indexed.
2. Technical Proposal uploaded otherwise will not be considered.

FINANCIAL & PHYSICAL EXPERIENCE DETAILS

1. The bidder should have:

A. Financial & Physical -For Conventional Technology or Neutral Technology Construction pattern

- i. Experience of having successfully executed as prime contractor:
- three similar works each costing not less than the amount equal to 20% of the probable amount of contract each work, having built-up area not less than 20% and height not less than 2/3rd of the height of the building proposed for construction in this NIT during the last 5 financial years; or
 - two similar works each costing not less than the amount equal to 30% of the probable amount of contract each work, having built-up area not less than 30% and height not less than 2/3rd of the height of the building proposed for construction in this NIT during the last 5 financial years; or
 - one similar work of aggregate cost not less than the amount equal to 50% of the probable amount of contract each work, having built-up area not less than 50% and height not less than 2/3rd of the height of the building proposed for construction in this NIT during the last 5 financial years;

 **Note:-**

- The cost of executed work in the above shall be the payment received in the contract for the work. In case the executed work is a completed work, the original cost of work can be adjusted as per increase in Whole Sale Price Index (WPI) as given by Reserve Bank of India, from the date of work order of the subjected work to till date. The certificate of the Chartered Accountant be produced for cost adjustment.
- The similar work shall mean a housing project, office building project, administrative building project or institutional building project
- Bidder should have executed similar works as stipulated in the eligibility criteria with the technology proposed for the construction of houses.
- Certificate issued by the Principal Employer should be submitted for each completed similar work. In case the Principal Employer is a private entity, the certificate from the Principal Employer shall be accompanied by a certificate of the Statutory Auditor regarding financial figures.
- Bidder will be allowed to construct houses by using Conventional technology or alternate building material /technology except **Monolithic RCC technology**. While bidding, the bidder shall clearly mention the technology which he is going to use for this project. However, for quoting rates and for financial evaluation all types of technologies be treated at par. The technology with which bidder has become

eligible will be followed for the execution of work. Any alteration in technology with which bidder has succeeded in becoming eligible, will not be allowed. For proposed buildings structures the agency will have to get approval of structural analysis and design from IIT/NIT or reputed Government engineering colleges, etc.

2. Average annual construction turnover on the construction works not less than 50% of the probable amount of contract during the last 5 financial years.
3. The Bidder shall have positive net-worth as per the audited Balance Sheet of last financial year.
4. ULB reserves the right to ask for additional information or supporting documents, if required regarding the information submitted in the bid.

To be filled in by the contractor:

- i. Details of successfully completed similar works shall be furnished in the following format.
- ii. Certificate duly signed by the employer shall also be enclosed for each completed similar work.
- iii. Duly self certified photographs and/or video of the completed works shall be attached in support of each completed similar work.

Completed Similar Works

Agreement Number & Year	Name of Work	Technology used in construction	Date of Work Order	Date of Completion	Amount of Contract	Employer's Name and Address

ANNUAL TURN OVER

Requirement:

Average annual construction turnover on the construction works not less than 50% of the probable amount of contract during the last 5 financial years;

To be filled in by the contractor:

Financial Year	Payments received for contracts in progress or completed
1	
2	
3	
4	
5	

Note:

- i. Annual turnover of construction should be certified by the Chartered Accountant.
- ii. Audited balance sheet including all related notes, and income statements for the above financial years to be enclosed.

Annexure - I (Format: I-3)

(See clause 14 of Section 2 –ITB
& Clause 6 of GCC)

List of Technical Personnel for the Key Positions														
S. No.	Key Position	Minimum requirement				Qualification	Similar Work experience (Years)	Total Work Experience (Years)	Available with the bidder					
		For PAC up-to Rs. 50 Cr.	For PAC of Rs. 51-100 Cr.	For PAC of Rs. 101-200 Cr.	For PAC of Rs. 201-300 Cr.				S. No.	Name of Personnel	Key Position	Qualification	Similar work experience	Total Work Experience
1	Project In-Charge	1	1	1	1	Graduate in civil Engineering	10	15						
2	Project Engineer	1	2	2	3	Graduate in civil Engineering	8	10						
3	Site Engineer	2	3	4	5	Diploma in civil Engineering	3	5						
4	Electrical Engineer	1	1	1	1	Graduate in Electrical Engineering	5	7						
5	Supervisor	3	5	8	10	12 th Passed	5	10						
6	Lab Technician	1	1	2	3	Diploma in Civil Engineering	5	7						
7	Quality Control Engineer	1	1	1	1	Graduate in civil Engineering	8	10						

Note: The List of Technical Personnel for the Key Positions are tentative and are subjected to change as per requirement of the engineer.

Annexure-I (Format: I-4)

(See clause 14 of Section 2 -ITB)

List of Key Equipments/ Machines for Quality Control Labs

(Refer Annexure-II, Section 53 of CPWD Works Manual'12)

Minimum requirement			Available with the bidder	
S. No.	Name of Equipment/ Machinery	Quantity	Name of Equipment/ Machinery	Quantity
1.	Balances: i) 7-10Kg Cap. (Semi-Self Indicating type – Accuracy 10 gm.) ii) 500 gm Cap. (Semi-Self Indicating type – Accuracy 10 gm.) iii) Pan Balance-5Kg (Accuracy 10 gm.)	01 Nos. 01 Nos. 01Nos.		
2.	Ovens : Electrically Operated, Thermostatically Controlled upto 100°C– Sensitivity 1°C	01 Nos.		
3.	Sieves - As per IS:460 *IS Sieves : 450 mm internal dia of size 100 mm, 80 mm, 63mm, 50mm, 40mm, 25mm, 20mm, 12.5mm, 10mm, 6.3mm, 4.75 mm, complete with lid and plan. * IS Sieves: 200 mm internal Dia (brass frame) consisting of 2.36 mm, 1.18mm, 500 microns, 425 microns, 300 microns, 212 microns, 150 microns, 90 microns, 75 microns with lid and pan.	01 Set		
4.	Sieve shaker capable of 200 mm and 300 mm dia sieves, manually operated with riming switch assembly.	01 Nos.		
5.	Equipment for slump test - Slump Cone, Steel plate, tamping rod, steel scale, scoop.	02 Set		
6.	Dial gauges 25mm travel - 0.01 mm/ division least count	02 Nos.		
7.	Compression testing machine (100T), electrically operated	01 Nos.		
8.	Graduated measuring cylinders 200 ml capacity	03 Nos.		
9.	Enamel trays (for efflorescence test for bricks) - 300mmx250mmx40mm	02 Nos.		

10.	Circular plates of 250 mm dia	04 Nos.	
11.	15 cm moulds for concrete cubes	38 Nos.	
12.	Micrometer Screw 25mm gauge	02 Nos.	
13.	Rebound hammer for testing concrete, dynamic penetrometer	01 Nos.	
14.	Moisture meter for timber	01 Nos.	

FIELD TESTING INSTRUMENTS

(Refer Annexure-II, Section 53 of CPWD Works Manual'12)

S. No.	Minimum Requirement		Available with the Bidder	
	Name of Instrument	Quantity	Name of Instrument	Quantity
01.	Steel Tapes – 3m, 10m, 15m, 30m, 50m, 100m	03 Nos. Each		
02.	Vernier Calipers	02 Nos.		
03.	Good Quality Plumb Bob	02 Nos.		
04.	Spirit Level (minimum 30cm long with 3 bubbles for horizontal and vertical)	03 Nos.		
05.	Wire Gauge (circular type) Disc	02 Nos.		
06.	Foot Rule	02 Nos.		
07.	Long Nylon Thread	As required		
08.	Rebound Hammer for testing concrete	02 Nos.		
09.	Dynamic Penetrometer	02 Nos.		
10.	Magnifying Glass	02 Nos.		
11.	Screw Driver – 30 cms long	03 Nos.		
12.	Ball Pin Hammer – 100 gms	02 Nos.		
13.	Plastic Bags for taking samples	As required		
14.	Moisture Meter for timber	02 Nos.		
15.	Earth Resistance Test (for Electrical Division)	As required		
16.	Megger (for Electrical Division)	As required		

Note:- The requirement of equipment/machine shown above will be applicable for projects up-to the cost of Rs 50 Cr. The minimum requirement of equipment / machinery shall be increased depending on the quantum of various items of work and mandatory requirement for the testing of material and workmanship in the given time schedule.

List of Key Equipment's/ Machines for Construction Work

Minimum requirement			Available with the bidder	
S. No.	Name of Equipment/ Machinery	Quantity	Name of Equipment/ Machinery	Quantity
1.	Excavator cum loader with sufficient number of dumpers / trucks	02 Nos.		
2.	Breakers	04 Nos.		
3.	Steel Shuttering	5000 sq.m.		
4.	Needle Vibrators	12 Nos.		
5.	Table Vibrators	06 Nos.		
6.	Material Hoists	02 Nos.		

Note:- The requirement of equipment/machine shown above will be applicable for projects up-to the cost of Rs 50 Cr. The minimum requirement of equipment / machinery shall be increased depending on the quantum of various items of work and mandatory requirement for the testing of material and workmanship in the given time schedule.

Pending Litigation

Applicant's Legal Name:

Date:



Signature of Bidder

FINANCIAL BID

(To Be Contained in Envelope-C)

NAME OF WORK: Construction of Houses and Development of Infrastructure for Identified Slums in '(Name of City)' Under PMAY (Name of City) Municipal Corporation.

I/We hereby bid for the execution of the above work within the time specified at the rates based on the Built up area for construction of houses and percentage rate based on Bill of Quantities and item wise rates for Infrastructure Development given as below in all respects and in accordance with the specifications, designs, drawings and instructions in writing in all respects in accordance with such conditions so far as applicable. I/We have visited the site of work and am/ are fully aware of all the difficulties and conditions likely to affect carrying out the work: I/We have fully acquainted myself/ ourselves about the conditions in regard to accessibility of site and quarries/ kilns, nature and the extent of ground, working conditions including stacking of materials, installation of tools and plants conditions effecting accommodation and movement of labour etc. required for the satisfactory execution of contract.

Should this bid be accepted, I/We hereby agree to abide by and fulfill all the terms and provisions of the said conditions of contract annexed hereto. In case of default thereof, I/We hereby agree for forfeiture and payment to the -----(Name of the ULB) or his successors in office the sums of money mentioned in the said conditions.

Note:

- 3/2*
- I. *For Part – A Rate based on the built up area in sqm. given therein.*
 - i) *Rate shall be quoted in figures as well as in words. If any difference in figures and words is found lower of the two shall be taken as valid and correct rate. If the bidder is not ready to accept such valid and correct rate and declines to furnish performance security and sign the agreement his earnest money deposit shall be forfeited.*
 - ii) *Bidder may quote for any of technology for Part – A either Conventional Technology or Alternative Technology specifying the technology for which he is quoting.*
 - iii) *All duties, taxes, and other levies payable by the bidder shall be included in the rates quoted by the bidder.*
 - iv) *The **built up area shall mean** Roof slab area excluding any projection such as chajjas to windows/Doors, slab projection beyond outer wall, any opening to sky in plan, security cabin, water pumping station, fire station, electric substation etc. to be executed as per requirement for which no extra shall be paid but including staircase (plan area), lift and passage (corridor) etc.*
 - v) *General planning and finishing should be such that enhances overall salability and livability. Initial municipal/Local authority charges except development fees will not be charged. All other fees and charges will be borne by the bidder. Fire safety norms shall be followed as per prescribed standards.*
 - II. *For Part –B*
 - i) *For Part –B Only one rate of percentage above or below or at par based on the Bill of Quantities and item wise rates given therein shall be quoted.*
 - ii) *Rate and Percentage shall be quoted in figures as well as in words. If any difference in figures and words is found lower of the two shall be taken as valid and correct rate. If the bidder is not ready to accept such valid and correct rate and declines to furnish performance security and sign the agreement his earnest money deposit shall be forfeited.*
 - iii) *In case the percentage "above" or "below" is not given by a bidder, his bid shall be treated as non-responsive.*

- iv) All duties, taxes, and other levies payable by the bidder shall be included in the percentage quoted by the bidder.

Part – A: Construction of Houses on Turn Key basis-

1. Bid for Conventional Technology or Alternative Technology/Material

S No.	Item	Rate Per Sq. M. Of Built Up Area	
		(In figure)	(In words)
	Neutral Technology Construction pattern based Tender for Construction of Residential flats/ Houses under Pradhan Mantri Awas Yojana (PMAY) in _____ (City) as per enclosed specification which are either superior or equivalent to minimum specification given as per Appendix A of this document including, necessary engineering survey, structural designing, and all constructing activities like excavation, construction of all types of structure, finishing works like masonry work, plastering, painting, flooring etc, doors, windows, grills, and all internal & external amenities, electrification, water supply, drainage, storm water drain, R.C.C. roads, path, water proofing treatment, anti-termite treatment, lift-elevators, compound wall, gate, firefighting system, landscaping, rainwater harvesting, Sewage Treatment with all material and labour etc. and design approved by ULB, including all taxes, charges, royalties, etc. complete as mentioned in the scope of work of the tender documents.		

Total Amount (in figures):

Total Amount (in words):

Part – B: Infrastructure Development Work-

S.no.	Amount as per Bill of quantities (In. Rs.)	Rate by contractor percent below/ above or at par based on the Bill of Quantities		Amount as per quoted rate by contractor considering percentage (In. Rs.)
		(in figure)	(in words)	
1.				

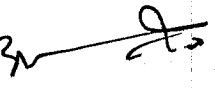
Total Amount of Contract: (Part A + Part B)

S.no.	Item	Total Amount Qouted		Total Amount of Contract Total of (Part – A +Part B) (In. Rs.)
		(in figure)	(in words)	
1.	Part A			
2.	Part B			

Grand Total Amount (in figures):

Grand Total Amount (in words):

Signature of Bidder Name of Bidder



The above bid is hereby accepted by me on behalf of the -----(Name of the ULB) dated the _____ day of _____ 20__

Signature of Officer by whom accepted

Appendix A

Specification of Building Works Proposed.

Name of Technology: - Conventional / _____ (specify the alternative Technology)

S NO.	DESCRIPTION	PROPOSED SPECIFICATIONS
1	RCC WORK	
	RCC in columns, beams and slabs	
2	Masonry work	
3	Railing in staircase & balcony	
4	Conduits for electrical and Telecommunication cables	
5	Door Shutters & Frame	
	Door Shutters	
	Main Door	
	Other Door	
	Frame	
	Door Fittings	
6	Aluminum Window section	
	Window	
	ventilator	
	Door Fittings	
7	Flooring and Skirting	
8	Wall Tiles	
	Above kitchen Platform	
	Wash area	
	W.C.	
	Bath	
9	Finishing work	
	Internal plaster	
	Ceiling	
	External Plaster	
10	Painting	
	Internal Painting	
	External Painting	
	Putty	

	Painting on wood and steel work		
11	Roof treatment		
12	Internal Sanitary/Water Supply System		
	W.C. Pan		
	PVC pipes		
	Gully Trap		
	Chamber		
	Pipe connecting house manhole and service manhole and onwards		
	Internal Water supply		
13	Fire safety		
14	Lift.		

SCHEDULE OF PAYMENT AT STAGES-APPLICABLE FOR CONSTRUCTION OF DUs

Name of work: Neutral Technology Construction pattern based Tender for Construction of Residential flats/ Houses including development of internal infrastructure with the land at _____ (location) under Pradhan Mantri Awas Yojana (PMAY) in _____ (City)

Applicable for Part A (Construction of Houses)

S NO.	Description		Individual in percentage	Cumulative
1	Submission and approval of foundation designs and complete structural drawings for superstructure, UG Tank complete and other works to be executed at site for its completion.		0.25	0.25
2	Submission and approval of all services plans from ULB		0.25	0.50
3	Completion of R.C.C. frame structure/erection up to Plinth level		8.00	8.50
4	Completion of R.C.C. frame structure /erection in super structure			
i.	up to 1 st floor roof slab	10.00	10.00	18.50
ii.	up to 3 rd floor roof slab	10.00	10.00	28.50
iii.	up to 5 th floor roof slab	10.00	10.00	38.50
iv.	up to 7 th floor roof slab and above	10.00	10.00	48.50
5	Completion of masonry, lintel, chajja etc.			
i.	up to 2 nd Floor	3.50	3.50	52.00
ii.	up to 4 th Floor	3.50	3.50	55.50
iii.	up to 6 th Floor	3.50	3.50	59.00
iv.	up to 8 th Floor and above	3.50	3.50	62.50
6	Internal & external Plaster			
i.	up to 2 nd Floor	2.00	2.00	64.50
ii.	up to 4 th Floor	2.00	2.00	66.50
iii.	up to 6 th Floor	2.00	2.00	68.50
iv.	up to 8 th Floor and above	2.00	2.00	70.50
7	Internal all type Flooring including skirting, dado			
i.	up to 2 nd Floor	2.00	2.00	72.50
ii.	up to 4 th Floor	2.00	2.00	74.50
iii.	up to 6 th Floor	2.00	2.00	76.50
iv.	up to 8 th Floor and above	2.00	2.00	78.50
8	Providing/Fixing Door Shutters, Balcony railing, Staircase railing, window grills and other steel work			
i.	up to 2 nd Floor	1.00	1.00	79.50
ii.	up to 4 th Floor	1.00	1.00	80.50
iii.	up to 6 th Floor	1.00	1.00	81.50
iv.	up to 8 th Floor and above	1.00	1.00	82.50
9	Internal water supply & Sanitary Work		2.00	84.50
10	Internal electrification		2.00	86.50
11	Internal & external painting		2.00	88.50

12	Doors / windows fittings and fixtures including glass panes.		2.00	90.50
13	Supply and Erection of Lifts		3.50	94.00
14	Commissioning testing of lift and getting license		0.50	94.50
15	Completion of all remaining items of work i/c handing over of flats defect free in all respects and testing of all services to the satisfaction of engineer-in-charge and handing over of services to ULB.		1.50	96.00
16	Modifications/alterations (as per the monitoring agency)		1.00	97.00
17	Ready for possession in all Aspects.		1.00	98.00
18	After handing over the DUs to beneficiaries/ULB		2.00	100.00

NOTE: (1) The work will proceed broadly as per the stages indicated above. However, for work between two consecutive stages, the payment will be released for the lower stage. If some work is not executed as per the above sequence and later sequence is executed first, then the payment for that stage will be released at the discretion of the Engineer-in-charge and his decision in this regard shall be final and binding.

(2) The above provisions are only to release stage payments and these payments shall be treated as advance till the final bill is prepared and accepted.

(3) Payment will be considered block wise and stage wise progress of each block.

(4) Monthly payment will be made on pro rata base for each stage on submission of running account bill the contractor after due certification by ULB. This schedule is for specified storey's, if bidder proposes other than specified, individual percentage of payment of that stage will be distributed evenly.

(5) In case of other type of building like commercial building, shops, anganwadi, electric substation, community hall etc. payment shall not be released floor wise in sr. no. 4 to 8 in payment schedule table above. The payment will be released for whole stage upon completion of that stage. The decision of ULB in this regard will be final.

MATERIALS TO BE ISSUED BY THE DEPARTMENT

S. No.	Name of material	Rate (Issue rate)	Unit	Remarks

NOT APPLICABLE

28/11

LETTER OF ACCEPTANCE (LOA)

No.: _____

Dated: _____

To,

M/s. _____ (Name and address of the contractor)

**Subject: Construction of Houses and Development of Infrastructure for Identified Slums
in '(Name of City)' Under PMAY at (Name of City) Municipal Corporation.**

Dear Sir(s),

Your bid for the work mentioned above has been accepted on behalf of the Governor of
Madhya Pradesh at your bided Rates as follows:

- i) Part A: Construction of houses @ of _____ per sqm. for built up area;
- ii) Part B: Infrastructure Development @ of _____ above / below/ at par of the Bill of
Quantities and item rate wise given therein.

You are requested to submit within 15 (Fifteen) days from the date of issue of this
letter:

- a. The performance security/ performance guarantee of Rs. _____ (in figures)
(Rupees _____ in words only). The
performance security shall be in the shape of term deposit receipt/ bank
guarantee of any nationalized / schedule commercial bank valid up contract period
plus three months.
- b. Sign the contract agreement.

Please note that the time allowed for carrying out the work as entered in the bid is
_____ months including rainy season, shall be reckoned from the date of signing the
contract agreement.

Signing the contract agreement shall be reckoned as intimation to commencement of
work and no separate letter for commencement of work is required. Therefore, after signing of
the agreement, you are directed to contact the Engineer-in-charge for taking the possession of
site and necessary instructions to start the work.

Yours Faithfully

**Commissioner / Chief Municipal officer
Municipal Corporation, /
Municipal Council/
Nagar Parishad**

PERFORMANCE SECURITY

To,

_____ [name of Employer]

_____ [name of Employer]

WHEREAS _____ [name and address of Contractor] (Hereinafter called "the Contractor") has undertaken, in pursuance of Letter of Acceptance No. _____ dated _____ 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 Contractor 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 the types and proportions of currencies in which the Contract Price 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 us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract of the Works to be performed there under or of any of the Contract documents which may be made between you 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 modification.

This guarantee shall be valid until 3 (three) months from Valid Contract Period.

Signature, Name and Seal of the guarantor _____

Name of Bank _____

Address _____

Phone No., Fax No., E-mail Address, of Signing Authority _____

Date _____

* An amount shall be inserted by the Guarantor, representing the percentage the Contract Price specified in the Contract including additional security for unbalanced Bids, if any and denominated in Indian Rupees.

SECTION 3
Conditions of Contract
Part – I General Conditions of Contract [GCC]

Table of Clauses of GCC

Clause No	Particulars	Clause No	Particulars
	A. General	21	Payments for Variations and / or Extra Quantities
1	Definitions	22	No compensation for alterations in or restriction of work to be carried out.
2	Interpretations and Documents	23	No Interest Payable
3	Language and Law	24	Recovery from Contractors
4	Communications	25	Tax
5	Subcontracting	26	Check Measurements
6	Personnel	27	Termination by Engineer in Charge
7	Force Majeure	28	Payment upon Termination
8	Contractor's Risks	29	Performance Security
9	Liability For Accidents To Person	30	Security Deposit
10	Contractor to Construct the Works	31	Price Adjustment
11	Discoveries	32	Mobilization and Construction Advance Machinery
12	Dispute Resolution System	33	Secured Advance
	B. Time Control	34	Payments Certificates
13	Programme		E. Finishing the Contract
14	Extension of Time	35	Completion Certificate
15	Compensation for Delay	36	Final Account
16	Contractor's quoted percentage		F. Other Conditions of Contract
	C. Quality Control	37	Currencies
17	Tests	38	Labour
18	Correction of Defects noticed during the Defect Liability Period	39	Compliance with Labour Regulations
	D. Cost Control	40	Audit and Technical Examination
19	Variations - Change in original Specifications, Designs, Drawings etc.	41	Death or Permanent Invalidity of Contractor
20	Extra Items	42	Jurisdiction

A. General

1. DEFINITIONS

- 1.1. **Bill of Quantities:** means the priced and completed Bill of Quantities forming part of the Bid.
- 1.2. **Engineer in Chief / Chief Engineer:** means Engineer in Chief / Chief Engineer of the Directorate of Urban Administration & Development.
- 1.3. **Completion:** means completion of the work as certified by the Engineer-in-Charge, in accordance with provisions of agreement.
- 1.4. **Contract:** means the Contract between the Employer and the Contractor to execute, complete and/or maintain the work. Agreement is synonym of Contract and carries the same meaning wherever used.
- 1.5. **Contract Data:** means the documents and other information which comprise of the Contract.
- 1.6. **Contractor:** means a person or legal entity whose bid to carry out the work has been accepted by the Employer.
- 1.7. **Contractor's bid:** means the completed bid document submitted by the Contractor to the Employer.
- 1.8. **Contract amount:** means the amount of contract worked out on the basis of accepted bid.
- 1.9. **Completion of work:** means completion of the entire contracted work. Exhaustion of quantity of any particular item mentioned in the bid document shall not imply completion of work or any component thereof.
- 1.10. **Day:** means the calendar day.
- 1.11. **Defect:** means any part of the work not completed in accordance with the specifications included in the contract.
- 1.12. **Department:** means Department of the State Government viz. Urban Development & Environment Department.
- 1.13. **Drawings:** means drawings including calculations and other information provided or approved by the Engineer-in-Charge.
- 1.14. **Employer:** means the party as defined in the **Contract Data**, who employs the Contractor to carry out the work. The Employer may delegate any or all functions to a person or body nominated by him for specified functions. The word Employer / Government / Department wherever used denote the Employer.
- 1.15. **Engineer:** means the Engineer designated by the Commissioner / Chief Municipal Officer, Municipal Corporation / Municipal Council / Nagar Parishad
- 1.16. **Engineer in charge:** means the Executive Engineer of the department or the person designated by the (Name of City) Municipal Corporation / Municipal Council / Nagar Parishad.
- 1.17. **Equipment:** means the Contractor's machinery and vehicles brought temporarily to the Site for execution of work.
- 1.18. **Government:** means Government of Madhya Pradesh.
- 1.19. **In Writing:** means communicated in written form and delivered against receipt.
- 1.20. **Material:** means all supplies, including consumables, used by the Contractor for incorporation in the work.
- 1.21. Deleted
- 1.22. **Project** means: Construction of Houses and Development of Infrastructure for Identified in '(Name of City)' Under PMAY at (Name of Location)
- 1.23. Deleted
- 1.24. **Stipulated period of completion:** means the period in which the Contractor is required to

- complete the work. The stipulated period is specified in the **Contract Data**.
- 1.25. **Specification:** means the specification of the work included in the Contract and any modification or addition made or approved by the Engineer-in-Charge.
- 1.26. **Start Date:** means the date of signing of agreement for the work.
- 1.27. **Sub-Contractor:** means a person or corporate body who has a Contract with the Contractor, duly authorized and approved by the employer to carry out a part of the construction work under the Contract.
- 1.28. **Temporary Work:** means work designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the work.
- 1.29. **Tender/Bid, Tenderer/Bidder:** are the synonyms and carry the same meaning where ever used.
- 1.30. **Variation:** means any change in the work which is instructed or approved as variation under this contract.
- 1.31. **Work:** The expression "work" or "works" where used in these conditions shall unless there be something either in the subject or context repugnant to such construction, be construed and taken to mean the work by virtue of contract, contracted to be executed, whether temporary or permanent and whether original, altered, substituted or additional.

2. INTERPRETATIONS AND DOCUMENTS

2.1 Interpretations

In the contract, except where the context requires otherwise:

- a. words indicating one gender include all genders;
- b. words indicating the singular also include the plural and vice versa.
- c. provisions including the word "agree", "agreed" or "agreement" require the agreement to be recorded in writing;
- d. "written" or "in writing" means hand-written, type-written, printed or electronically made, and resulting in a permanent record;

2.2 Documents Forming Part of Contract:

1. NIT with all amendments.
2. Instructions to Bidders (ITB, Bid Data Sheet with all Annexures)
3. Conditions of Contract:
 - i. Part-I General Conditions of Contract and the Contract Data; with all Annexures
 - ii. Part-II Special Conditions of Contract.
4. Specifications
5. Drawings
6. Bill of Quantities
7. Technical and Financial Bid
8. Agreement, and
9. Any other document(s), as specified.

3. Language and Law

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

4. Communications

All certificates, notice or instruction to be given to the Contractor by Employer/ Engineer shall be sent to the address or contact details given by the Contractor in [Annexure-H of ITB]. The address and contact details for communication with the Employer/Engineer shall be as per the details given in the Contract Data. Communication between parties that are referred to in the conditions shall be in writing. The notice sent by facsimile (fax) or other electronic means (email) shall also be effective on confirmation of the

transmission. The notice sent by registered post or speed post shall be effective on delivery or at the expiry of the normal delivery period as undertaken by the postal service. In case of any change in address for communication, the same shall be immediately notified to Engineer-in-Charge.

5. Subcontracting

Subcontracting shall be permitted for contracts of value more than amount specified in the Contract Data with following conditions.

- a. The Contractor may subcontract up to 25 percent of the contract price with the approval of the Employer in writing, but will not assign the Contract. Subcontracting shall not alter the Contractor's obligations.
- b. Following shall not form part of subcontracting:
 - i. Hiring of labour through a labour contractor.
 - ii. The purchase of Materials to be incorporated in the works.
 - iii. Hiring of plant & machinery
- c. The sub-contractor will have to be registered in the **appropriate category** in the centralized registration system for contractors of the GoMP.

6. Personnel

- 6.1 The Contractor shall employ for the construction work and routine maintenance the technical personnel as provided in the Annexure I-3 of Bid Data Sheet, if applicable. If the Contractor fails to deploy required number of technical staff, recovery as specified in the Contract Data will be made from the Contractor.
- 6.2 If the Engineer asks the Contractor to remove a person who is a member of the Contractor's staff or work force, stating the reasons, the Contractor shall ensure that the person leaves the Site within three days and has no further connection with the Works in the Contract.

7. Force Majeure

7.1 The term "Force Majeure" means an exceptional event or circumstance:

- (a) Which is beyond a Party's control,
- (b) Which such Party could not reasonably have provided against before entering into the Contract,
- (c) Which, having arisen, such Party could not reasonably have avoided or overcome, and
- (d) Which is not substantially attributable to the other Party.

Force Majeure may include, but is not limited to, exceptional events or circumstances of the kind listed below, so long as conditions (a) to (d) above are satisfied:

- (i) War, hostilities (whether war be declared or not), invasion, act of foreign enemies,
- (ii) Rebellion, terrorism, sabotage by persons other than the Contractor's Personnel, revolution, insurrection, military or usurped power, or civil war,
- (iii) Riot, commotion, disorder, strike or lockout by persons other than the Contractor's Personnel,
- (iv) Munitions of war, explosive materials, ionizing radiation or contamination by radio-activity, except as may be attributable to the Contractor's use of such munitions, explosives, radiation or radio-activity, and
- (v) Natural catastrophes such as earthquake, hurricane, typhoon or volcanic

activity.

- 7.2. In the event of either party being rendered unable by force majeure to perform any duty or discharge any responsibility arising out of the contract, the relative obligation of the party affected by such force majeure shall upon notification to the other party be suspended for the period during which force majeure event lasts. The cost and loss sustained by either party shall be borne by respective parties.
- 7.3 For the period of extension granted to the Contractor due to Force Majeure the price adjustment clause shall apply but the penalty clause shall not apply. It is clarified that this sub clause shall not give eligibility for price adjustment to contracts which are otherwise not subject to the benefit of price adjustment clause.
- 7.4 The time for performance of the relative obligation suspended by the force majeure shall stand extended by the period for which such cause lasts. Should the delay caused by force majeure exceed **twelve** months, the parties to the contract shall be at liberty to foreclose the contract after holding mutual discussions.

8. Contractor's Risks

- 8.1 All risks of loss or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract are the responsibility of the Contractor.
- 8.2 All risks and consequences arising from the inaccuracies or falseness of the documents, drawing, designs, other documents and/or information submitted by the contractor shall be the responsibility of the Contractor alone, notwithstanding the fact that the designs/ drawings or other documents have been approved by the department.

9. Liability for Accidents to Person

The contractor shall be deemed to have indemnified and saved harmless the Government against all action, suits, claims, demands, costs etc. arising in connection with injuries suffered by any persons employed by the contractor or his subcontractor for the works whether under the General law or under Workman's Compensation Act, or any other statute in force at the time of dealing with the question of the liability of employees for the injuries suffered by employees and to have taken steps properly to ensure against any claim there under.

10. Contractor to Construct the Works

- 10.1 The Contractor shall construct, install and maintain the Works in accordance with the Specifications and Drawings as specified in the **Contract Data**.
- 10.2 In the case of any class of work for which there is no such specification as is mentioned in Contract Data, such work shall be carried out in accordance with the instructions and requirement of the Engineer-in-charge.
- 10.3 The contractor shall supply and take upon himself the entire responsibility of the sufficiency of the scaffolding, timbering, machinery, tools and implements, and generally of all means used for the fulfillment of this contract whether such means may or may not be approved or recommended by the Engineer.

11. Discoveries

Anything of historical or other interest or of significant value unexpectedly discovered on the Site shall be the property of the Employer. The Contractor shall notify the Engineer of such discoveries and carry out the Engineer's instructions for dealing with them.

12. Dispute Resolution System

- 12.1 No dispute can be raised except before the Competent Authority as defined in Contract Data in writing giving full description and grounds of dispute. It is clarified that merely recording protest while accepting measurement and/or payment shall not be taken as raising a dispute.
- 12.2 No dispute can be raised after 45 days of its first occurrence. Any dispute raised after expiry of 45 days of its first occurrence shall not be entertained and the Employer shall not be liable for claims arising out of such dispute.
- 12.3 The **Competent Authority** shall decide the matter within 45 days.
- 12.4 Appeal against the order of the Competent Authority can be preferred within 30 days to the **Appellate Authority** as defined in the **Contract Data**. The Appellate Authority shall decide the dispute within 45 days.
- 12.5 Appeal against the order of the Appellate Authority can be preferred before the Madhya Pradesh Arbitration Tribunal constituted under Madhya Pradesh *Madhyastham Adhikaran Adhiniyam*, 1983.
- 12.6 The Contractor shall have to continue execution of the Works with due diligence notwithstanding pendency of a dispute before any authority or forum.

B. Time Control

13. Programme

- 13.1 Within the time stated in the Contract Data, the Contractor shall submit to the Engineer for approval a Programme showing the general methods, arrangements, order and timing for all the activities for the construction of works.
- 13.2 **The program shall be supported with all the details regarding key personnel, equipment and machinery proposed to be deployed on the works for its execution.** The contractor shall submit the list of equipment and machinery being brought to site, the list of key personnel being deployed, the list of machinery/equipment being placed in field laboratory and the location of field laboratory along with the Programme.
- 13.3 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 Works, including any changes to the sequence of the activities.
- 13.4 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 certificate and continue to withhold this amount until the next payment after the date on which the overdue Programme has been submitted.
- 13.5 The Engineer's approval of the Programme shall not alter the Contractor's obligations.

14. Extension of Time

- 14.1. If the Contractor desires an extension of time for completion of the work on the ground of his having been unavoidably hindered in its execution or on any other grounds, he shall apply, in writing, to the Engineer-in-charge, on account of which he desires such extension. **Engineer-in-Charge shall forward the aforesaid**

application to the Competent Authority as prescribed.

- 14.2 The competent authority shall grant such extension at each such occasion within a period of 30 days of receipt of application from contractor and shall not wait for finality of work. Such extensions shall be granted in accordance with provisions under **clause- 15** of this agreement.
- 14.3 In case the work is already in progress, the Contractor shall proceed with the execution of the works, including maintenance thereof, pending receipt of the decision of the competent authority as aforesaid with all due diligence.

15. Compensation for delay

- 15.1 The time allowed for carrying out the work, as entered in the agreement, shall be strictly observed by the Contractor.
- 15.2 The time allowed for execution of the contract shall commence from the date of signing of the agreement. It is clarified that the need for issue of work order is dispensed with.
- 15.3 In the event milestones are laid down in the Contract Data for execution of the works, the contractor shall have to ensure strict adherence to the same.
- 15.4 Failure of the Contractor to adhere to the timelines and/or milestones shall attract such liquidated damages as is laid down in the Contract Data.
- 15.5 In the event of delay in execution of the Works as per the timelines mentioned in the Contract Data the Engineer-in-charge shall retain from the bills of the Contractor amount equal to the liquidated damages leviable until the Contractor makes such delays good. However, the Engineer-in-charge shall accept bankable security in lieu of retaining such amount.
- 15.6 If the Contractor is given extension of time after liquidated damages have been paid, the Engineer-in-Charge shall correct any over payment of liquidated damages by the Contractor in the next payment certificate.
- 15.7 In the event the Contractor fails to make good the delay until completion of the stipulated contract period (including extension of time) the sum so retained shall be adjusted against the liquidated damages levied.

16. Contractor's quoted percentage

The Contractor's quoted percentage rate referred to in the "Bid for works" will be deducted/ added from/to the net amount of the bill after deducting the cost of material supplied by the department.

C. Quality Control

17. Tests

- 17.1 The Contractor shall be responsible for:
- Carrying out the tests prescribed in specifications, and
 - For the correctness of the test results, whether performed in his laboratory or elsewhere.
- 17.2 The contractor shall have to establish field laboratory within the time specified and having such equipments as are specified in the **Contract Data**.
- 17.3 Failure of the Contractor to establish laboratory shall attract such penalty as is specified in the **Contract Data**.

- 17.4 The Contractor shall submit to the engineer for approval, a quality assurance plan showing the general methods, arrangements, order and timing of the activities of Quality Control including mandatory testing of material and workmanship. This general quality assurance program shall be submitted at the time of commencement of work. However, depending on the progress of work detailed, an updated quality assurance plan will also be submitted by the contractor to the engineer for approval within the time prescribed by the engineer.
- 17.5 The program shall be supported with all the details regarding the field laboratory and equipment/machinery proposed to be deployed for Quality Control.
- 17.6 If the contractor does not submit a Quality Assurance Plan at the commencement of the work or updated detailed Quality Assurance Plan within the time specified by the engineer, the engineer may withhold the amount as may be appropriate depending on the quantum of work.

18. Correction of Defects noticed during the Defect Liability Period

- 18.1 The Defect Liability Period of work in the contract shall be as per the **Contract Data**.
- 18.2 The Contractor shall promptly rectify all defects pointed out by the Engineer well before the end of the Defect Liability Period. The Defect Liability Period shall automatically stand extended until the defect is rectified.
- 18.3 If the Contractor has not corrected a Defect pertaining to the Defect Liability Period to the satisfaction of the Engineer, within the time specified by the Engineer, the Engineer will assess the cost of having the Defect corrected, and the cost of correction of the Defect shall be recovered from the Performance Security or any amount due or that may become due to the contractor and other available securities.

D. Cost Control

19. Variations - Change in original Specifications, Designs, and Drawings etc.

- 19.1 The Engineer-in-charge shall have power to make any alterations, omissions or additions to or substitutions in the original specifications, drawings, designs and instructions, that may appear to him to be necessary during the progress of the work and the contractor shall carry out the work in accordance with any instructions which may be given to him in writing signed by the Engineer-in-charge, and such alterations, omission, additions or substitutions shall not invalidate the contract and any altered, additional or substituted 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 agrees to do the main work.
- 19.2 The time for the completion of the work shall be adjusted in the proportion that the altered, additional or substituted work bears to the original contract work and the certificate of the Engineer-in-charge shall be conclusive as to such proportion.

20. Extra items

- 20.1 All such items which are not included in the priced BOQ shall be treated as extra items.

21. Payments for Variations and / or Extra Quantities

- 21.1 The rates for such additional (Extra quantity), altered or substituted work / extra items under this clause shall be worked out in accordance with the following provisions in their respective order:-

- a. The contractor is bound to carry out the additional (Extra quantity), work at **the same rates** as are specified in the contract for the work.
- b. If the item is not in the priced BOQ and is included in the SOR of the department, the rate shall be arrived at by applying the quoted tender percentage on the SOR rate.
- c. **If the rates for the altered or substituted work are not provided in applicable SOR** – such rates will be derived from the rates for a similar class (type) of work as is provided in the contract (priced BOQ) for the work.
- d. **If the rates for the altered, substituted work cannot be determined in the manner specified in the sub clause (c) above** - then the rates for such composite work item shall be worked out on the basis of the concerned Schedule of Rates minus/plus the percentage quoted by the contractor.
- e. If the rates for a particular part or parts of the item is not in the Schedule of Rates and the rates for the altered, or substituted work item cannot be determined in the manner specified in sub clause (b) to (d) above, the rate for such part or parts will be determined by the Competent Authority as defined in the Contract Data on the basis of the rate analysis derived out of prevailing market rates when the work was done.
- f. But under no circumstances, the contractor shall suspend the work on the plea of non-acceptability of rates on items falling under sub clause (a) to (d). In case the contractor does not accept the rate approved by the Engineer in Charge for a particular item, the contractor shall continue to carry out the item at the rates determined by the Competent Authority. The decision on the final rates payable shall be arrived at through the dispute settlement procedure.

22. No compensation for alterations in or restriction of work to be carried out.

- 22.1 If at any time after the commencement of the work, the Engineer-in-charge, for any reason whatsoever, not require the whole or any part of the work as specified in the bid to be carried out; the Engineer-in-charge shall give notice in writing of the fact to the Contractor and withdraw that whole or any part of the work.
- 22.2 The Contractor shall have no claim to any payments or compensation whatsoever, on account of any profit or advantage which he might have derived from the execution of work in full or on account of any loss incurred for idle men and machinery due to any alteration or restriction of work for whatsoever reason.
- 22.3 The Engineer-in-charge may supplement the work by engaging another agency to execute such portion of the work, without prejudice to his rights.

23. No Interest Payable

No interest shall be payable to the Contractor on any payment due or awarded by any authority.

24. Recovery from Contractors

Whenever any claim against the Contractor for the payment arises under the contract, the Department may be entitled to recover such sum by:

- (a) Appropriating, in part or whole of the Performance Security and Additional Performance Security, if any; and/or Security Deposit and / or any sums payable under the contract to the contractor.
- (b) If the amount recovered in accordance with (a) above is not sufficient, the balance sum may be recovered from any payment due to the contractor under any other contract of the department, including the securities which become due for release.
- (c) The department shall, further have an additional right to effect recoveries as arrears of land revenue under the *M.P. Land Revenue Code*.

25. Tax

- 25.1 The rates quoted by the Contractor shall be deemed to be inclusive of the commercial tax and other levies, duties, cess, toll, taxes of Central and State Governments, local bodies and authorities.
- 25.2 The liability, if any, on account of quarry fees, royalties, octroi and any other taxes and duties in respect of materials actually consumed on public work, shall be borne by the Contractor.
- 25.3 Any changes in the taxes due to change in legislation or for any other reason shall not be payable to the contractor.

26. Check Measurements

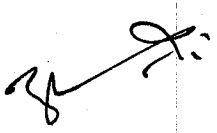
- 26.1 The department reserves to itself the right to prescribe a scale of check measurement of work in general or specific scale for specific works or by other special orders.
- 26.2 Checking of measurement by superior officer shall supersede measurements by subordinate officer(s), and the former will become the basis of the payment.
- 26.3 Any over/ excess payments detected, as a result of such check measurement or otherwise at any stage up to the date of completion of the defect liability period specified in this contract, shall be recoverable from the Contractor, as per **clause 24** above.

27. Termination by Engineer in Charge

- 27.1 If the Contractor fails to carry out any obligation under the Contract, the Engineer-in-Charge may by notice require the Contractor to make good the failure and to remedy it within a specified reasonable time.
- 27.2 The Engineer in Charge shall be entitled to terminate the Contract if the Contractor
 - a) abandons the Works or otherwise plainly demonstrates the intention not to continue performance of his obligations under the Contract;
 - b) the Contractor is declared as bankrupt or goes into liquidation other than for approved reconstruction or amalgamation;

- c) without reasonable excuse fails to comply with the notice to correct a particular defect within a reasonable period of time;
 - d) the Contractor does not maintain a valid instrument of financial security as prescribed;
 - e) the Contractor has delayed the completion of the Works by such duration for which the maximum amount of liquidated damages is recoverable;
 - f) If the Contractor fails to deploy machinery and equipment or personnel or set up a field laboratory as specified in the **Contract Data**;
 - g) If the contractor, in the judgment of the Engineer in charge has engaged in corrupt or fraudulent practices in competing for or in executing the contract;
 - h) Any other fundamental breaches as specified in the **Contract Data**.
- 27.3 In any of these events or circumstances, the Engineer in Charge may, upon giving 14 days' notice to the Contractor, terminate the Contract and expel the Contractor from the Site. However, in the case of sub-paragraph (b) or (g) of **clause 27.2**, the Engineer-in-Charge may terminate the Contract immediately.
- 27.4 Notwithstanding the above, the Engineer-in-Charge may terminate the Contract for convenience by giving notice to the Contractor.

28. Payment upon Termination

-  28.1 If the contract is terminated under **clause 27.3**, the Engineer shall issue a certificate for value of the work accepted on final measurements, less Advance Payments and Penalty as indicated in the **Contract Data**. The amount so arrived at shall be determined by the **Engineer-in-Charge** and shall be final and binding on both the parties.
- 28.2 Payment on termination under **clause 27.4** above -
If the Contract is terminated under **clause 27.4** above, the Engineer shall issue a certificate for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract and less taxes due to be deducted at source as per applicable law.
- 28.3 If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be recovered as per **clause 24** above.

29. Performance Security

The Contractor shall have to submit performance security and additional performance security, if any, as specified in the **Bid Data Sheet** at the time of signing of the contract. The contractor shall have to ensure that such performance security and additional performance security, if any, remains valid for the period as specified in the **Contract Data**.

30. Security Deposit-

- 30.1 Security Deposit shall be deducted from each running bill at the rate as specified in the **Contract Data**. The total amount of Security Deposit so deducted shall not

- exceed the percentage of Contract Price specified in the **Contract Data**.
- 30.2 The security deposit may be replaced by equivalent amount of bank guarantee or fixed deposit receipt assigned to the Employer, with validity up to 3 (three) months beyond the completion of Defect Liability Period/ extended Defect Liability Period.
- 30.3 The Security Deposit shall be refunded on completion of Defect Liability Period.

31. Price Adjustment - Deleted

32. Mobilization Advance

- 32.1 Payment of advances shall be applicable if provided in the **Contract Data**.
- 32.2 If applicable, the Engineer in Charge shall make interest bearing advance payment to the contractor of the amounts stated in the **Contract Data**, against provision by the contractor of an unconditional Bank Guarantee in a form and by a nationalized/ scheduled banks, in the name as stated in the **Contract Data**, in amounts equal to 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.
- 32.3 The rate of interest chargeable shall be as per **Contract Data**.
- 32.4 Mobilization advance not exceeding 10% (Ten percent) of the tendered value may be given, if requested by the contractor in writing within one month of the order to commence the work. Such advance shall be paid in two or more installments to be determined by Engineer-in-Charge, at sole discretion. The first installment of such advance shall be released by the Engineer-in-Charge to the contractor on the request made by the contractor to the Engineer-in-Charge in this regard. The second and subsequent installments shall be released by the Engineer-in-Charge only after the contractor furnishes a proof of the satisfactory utilization of the earlier installment to the entire satisfaction of the Engineer-in-Charge. Before any installment of Mobilization advance is released, the contractor shall execute a Bank Guarantee Bond from Schedule Bank for the specified 110% of amount of advance and valid for the contract period. This shall be renewed from time to time to cover the balance amount and likely period of complete recovery, together with interest.
- 32.5 The advance payment shall be recovered as stated in the **Contract Data** by deducting proportionate amounts from payment otherwise due to the Contractor. No account shall be taken of the advance payment or its recovery in assessing valuations of work done, variations, price adjustments, compensation events, or liquidated damages.

33. Secured Advance - Deleted

34. Payment Certificates

The payment to the contractor will be as follows for construction work:

- (a) The Contractor shall submit to the Engineer monthly statements of the value of the work executed less the cumulative amount certified previously, supported with detailed measurement of the items of work executed.
- (b) The Engineer shall check the Contractor's monthly statement and certify the amount

- to be paid to the Contractor.
- (c) The value of work executed shall be determined, based on the measurements approved by the Engineer/ Engineer-in-charge.
 - (d) The value of work executed shall comprise the value of the quantities of the items in the Bill of Quantities completed.
 - (e) The value of work executed shall also include the valuation of Variations and Compensation Events.
 - (f) All payments shall be adjusted for deductions for advance payment, security deposit, other recoveries in terms of contract and taxes at source as applicable under the law.
 - (g) 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.
 - (h) Payment of intermediate certificate shall be regarded as payments by way of advance against the final payment and not as payments for work actually done and completed.
 - (i) Intermediate payment shall not preclude the requiring of bad, unsound and imperfect or unskilled work to be removed and taken away and reconstructed or be considered as an admission of the due performance of the contractor any part thereof, in any respect or the occurring of any claim.
 - (j) The payment of final bill shall be governed by the provisions of **clause 36 of GCC**.

E. Finishing the Contract

35. Completion Certificate

- 35.1 A Completion Certificate in the prescribed format in **Contract Data** shall be issued by the Engineer-in-Charge after physical completion of the Work.
- 35.2 After final payment to the Contractor, a Final Completion Certificate in the prescribed format in the **Contract Data** shall be issued by the Engineer-in-Charge.

36. Final Account

- 36.1 The Contractor shall supply the Engineer with a detailed account of the total amount that the Contractor considers payable for works under the Contract within 21 days of issue of certificate of physical completion of works. The Engineer shall issue a Defects Liability Certificate and certify any payment that is due to the Contractor within 45 days of receiving the Contractor's account if it is correct and complete. If the account is not correct or complete, the Engineer shall issue within 45 days a schedule that states the scope of the corrections or additions that are necessary. If the Account is still unsatisfactory after it has been resubmitted, the matter shall be referred to the Competent Authority as defined in the Contract Data, who shall decide on the amount payable to the Contractor after hearing the Contractor and the Engineer in Charge.
- 36.2 In case the account is not received within 21 days of issue of Certificate of Completion as provided in clause 32.1 above, the Engineer shall proceed to finalize the account and issue a payment certificate within 28 days.

F. Other Conditions of Contract

37. Currencies

All payments will be made in Indian Rupees.

38. Labour

38.1 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, housing, feeding and transport.

38.2 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.

39. Compliance with Labour Regulations

39.1. During continuance of the Contract, the Contractor and his sub-Contractors shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications 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 notification 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 construction industry are given in the **Contract Data**. 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 their under, 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 non-observance of the provisions stipulated in the notifications/ byelaws/ Acts/ Rules/ regulations including amendments, if any, on the part of the Contractor, the Engineer/Employer shall have the right to deduct from any money due to the Contractor including his amount of performance security. The Employer/Engineer shall also have 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 of time.

40. Audit and Technical Examination


Government shall have the right to cause an audit and technical examination of the works and the final bill of the contract including all supporting vouchers, abstract etc. to be made after payment of the final bill and if as a result of such audit and technical examination any sum is found to have been overpaid in respect of any work done by the contractor under the contract or any work claimed by him to have been done under the contract and found not to, have been executed, the Contractor shall be liable to refund the amount of overpayment and it shall be lawful for Government to recover the same from him in the manner prescribed in **clause 24** above and if it is found that the Contractor was paid less than what was due to him, under the contract in respect of any

work executed by him under it, the amount of such under payment shall be duly paid by Government to the Contractor.

41. Death or Permanent Invalidity of Contractor

If the Contractor is an individual or a proprietary concern, partnership concern, dies during the currency of the contract or becomes permanently incapacitated, where the surviving partners are only minors, the contract shall be closed without levying any damages/compensation as provided for in **clause 28.2** of the contract agreement. However, if the competent authority is satisfied about the competence of the survivors, then the competent authority shall enter into a fresh agreement for the remaining work strictly on the same terms and conditions under which the contract was awarded.

42. Jurisdiction

 This contract has been entered into the State of Madhya Pradesh and its validity, construction, interpretation and legal effect shall be subjected to the courts at the place where this agreement is entered into. No other jurisdiction shall be applicable.

[End of GCC]

Contract Data

Clause Ref.	Particulars	Data
1.14	Employer	(Name of City) Municipal Corporation / Municipal Council / Nagar Parishad
1.15	Engineer	Person as designated by the Engineer-in-Chief (Name of City) Municipal Corporation,
1.16	Engineer in Charge	Executive Engineer of the department incharge of Project.
1.22	Stipulated period of completion	18/24 Months (including Rainy Season)
3	Language & Law of Contract	English & Indian Contract Act, 1872
	Address & contact details of the Contractor	As per Annexure H
4	Address & contact details of the Employer/ Engineer - phone, Fax, e-mail	(Name of City) Municipal Corporation / Municipal Council / Nagar Parishad
5	Subcontracting permitted for the Contract Value	not more than 25 % of tender amount
6	Technical Personnel to be provided by the contractor – requirement	As per Annexure I (Format I-3)
6	Penalty, if required Technical Personnel not employed	Rs. 20,000/- per month per Technical Personnel For 1-3 in As per Annexure-I (Format: I – 3) Rs. 15,000/- per month per Technical Personnel For 4-6 in As per Annexure-I (Format: I – 3)
10	Specifications	As per Annexure E
10	Drawings	As per Annexure - N
12	Competent Authority for deciding dispute under Dispute Resolution System	E.E./Authorized by Commissioner / Chief Municipal Officer , Municipal Corporation / Municipal Council / Nagar Parishad, (Name of City)
12	Appellate Authority for deciding dispute under Dispute Resolution System	Commissioner / Chief Municipal Officer , Municipal Corporation / Municipal Council / Nagar Parishad, (Name of City) Engineer-in- Chief (Name of City) Municipal Corporation,
	Period of submission of work programme	15 days from the date of signing the agreement
	Period for submission of updated construction program	Three months (Quarterly)
13	Amount to be withheld for not submitting construction program in prescribed period	Rs. 1,00,000/- per event
14	Competent Authority for granting Time Extension	Commissioner / Chief Municipal Officer , Municipal Corporation / Municipal Council / Nagar Parishad (Name of City)
15	Milestones laid down for the contract	Yes
15	If Yes, details of Milestones	As per Annexure - O
	Liquidated damage	As per Annexure - P
	List of equipment for lab	As per Annexure - Q
17	Time to establish lab	Before execution of work at site
17	Penalty for not establishing field Laboratory	Rs. 1,00,000/- per month for the delay

18	Defect Liability Period	24 Months after issue of final completion certificate
21	Competent Authority for determining the rate	Commissioner / Chief Municipal Officer , Municipal Corporation / Municipal Council / Nagar Parishad (Name of City) (UADD SOR-2012)
27	Any other condition for breach of contract	
28	Penalty	Penalty Shall include (a) Security Deposit as per clause 30 of General Conditions of Contract, and (b) Liquidated Damages imposed as per clause 15 of Performance Security (Guarantee) including Additional Performance Security (Guarantee), if any, as per clause 29 of General Conditions of Contract, whichever is higher
29	Performance guarantee (Security) shall be valid up to	Valid Contract period plus 3 months
30	Security Deposit to be deducted from each running bill Maximum limit of deduction of Security Deposit	At the rate of 5%.(Five percent) Up to 5% of Final Contract Amount.
31	Price Adjustment formula and procedure to calculate	Deleted
31.1 (1)	Price adjustment shall be applicable	Deleted
32	32.1 Mobilization Advance Applicable	Yes
	32.2 If yes, Unconditional Bank Guarantee of 110 % of Mobilization Advance	In the format prescribed in Annexure - S
	32.3 If yes, Rate of interest chargeable on advances	Interest rate (computed quarterly) as per notified bank rate on the date of inviting tender
	32.4 If yes, Type & Amount of Advance payment that can be paid	1. Mobilization advance not exceeding 10% (Ten percent) of the tendered value may be given, if requested by the contractor in writing within one month of the order to commence the work. Such advance shall be paid in two or more installments to be determined by Engineer-in-Charge, at sole discretion. The first installment of such advance shall be released by the Engineer-in-Charge to the contractor on the request made by the contractor to the Engineer-in-Charge in this regard. The second and subsequent installments shall be released by the Engineer-in-Charge only after the contractor furnishes a proof of the satisfactory utilization of the earlier installment to the entire satisfaction of the Engineer-in-Charge Before any installment of Mobilization advance is released, the contractor shall execute a Bank Guarantee Bond from Schedule Bank for the specified 110% of amount of advance and valid for the contract period. This shall be renewed from time to time to cover the balance amount and likely period of complete recovery, together with interest.

	32.5 If yes, Recovery of advance payment	Recovery of Mobilization advance shall commence when 10% of the contract amount is executed and recovery of total advance shall be done on pro-rata basis and shall be completed by the time work equivalent to 80% of the contract amount is executed. In addition to the recovery of principal amount, recovery of interest shall be carried out as calculated on the outstanding amount of principal at the close of each month. The interest shall be accrued from the day of payment of advance and the recovery of interest shall commence when 10% of the contract amount is executed and shall be completed by the time work equivalent to 80% of the contract amount is executed.
33	33.1 Secured Advance Applicable	No Secured Advance payable.
	33.2 if yes, Unconditional Bank Guarantee	Not Applicable
	33.2 if yes, Amount of Secured Advance	Not Applicable
	33.3 if yes, Conditions for secured advance	Not Applicable
	33.4 if yes, Recovery of Secured advance	Not Applicable
35	Completion Certificate – after physical completion of the Work	As per Annexure - U
	Final Completion Certificate – after final payment on completion of the Work	As per Annexure- V
36	Competent Authority	Commissioner / Chief Municipal Officer , Municipal Corporation / Municipal Council / Nagar Parishad (Name of City)
37	Salient features of some of the major labour laws that are applicable	As per Annexure-W

Drawings

List of drawings –

For Part A (Construction of Houses):

- a) Site plan
- b) Unit plan
- c) Typical floor plan, parking and terrace plan
- d) Layout plan
- e) Elevation and Sections
- f) Cluster plan
- g) Doors & Window detail, Kitchen, wash, balcony, toilet detail plan and all other plumbing and sanitary detail drawings etc.
- h) Typical flooring detail plan
- i) All electrical work and fire-fighting works drawings.

For Part B (Development of Infrastructure):

- a) External development general arrangement drawings.
- b) General arrangement drawings for sewer, storm water drainage and water supply line.
- c) Landscaping plan of parks and plantation including shrubs and hedges.
- d) Road layout plan with cross-section of roads
- e) Location plan for STP, UGWT, pump house, water harvesting recharge pits
- f) All electrical work drawings.

Details of Milestones

Design & Construction of Houses And Development of Infrastructure for Identified at ' (NAME OF CITY) ' Under PMAY (Name of City) Municipal Corporation.

The time allowed for the carrying out the work, as entered in the tender form shall be strictly observed by the contractor and shall be deemed to be essence of the contract and shall be reckoned immediately from the date of signing of agreement to commence the work issued to the contractor.

The work shall throughout the stipulated period of contract be proceeded with all due diligence keeping in view that time is the essence of the contract. The contractor shall be bound in all cases, to complete the following financial target,

- 1/8th of the whole work before 1/4th of the whole time allowed under the contract has elapsed,
- 3/8th of the work before 1/2 of such time has elapsed
- 3/4th of the work before 3/4 of such time has elapsed.

Compensation for Delay

If the contractor fails to achieve the milestones, and the delay in execution of work is attributable to the contractor, the Employer shall retain an amount from the sums payable and due to the contractor as per following scale -

- i. Slippage up to 25% in financial target during the milestone under consideration -2.5% of the work remained unexecuted in the related time span.
- ii. Slippage exceeding 25% but Up to 50% in financial target during the milestone under consideration -5% of the work remained unexecuted in the related time span.
- iii. Slippage exceeding 50% but Up to 75% in financial target during the milestone under consideration -7.5% of the work remained unexecuted in the related time span.
- iv. Slippage exceeding 75% in financial target during the milestone under consideration - 10% of the work remained unexecuted in the related time span.

Note: For arriving at the dates of completion of time span related to different milestones, delays which are not attributable to the Contractor shall be considered. The slippage on any milestone is if made good in subsequent milestones or at the time of stipulated period of completion, the amount retained as above shall be refunded. In case the work is not completed within the stipulated period of completion along with all such extensions which are granted to the Contractor without penalty, the compensation shall be levied on the contractor at the rate of 0.05% per day of delay limited to a maximum of 10% of contract price.

The decision of Employer shall be final and binding upon both the parties.

List of Equipment for Quality Control Lab
As per Annexure-I (Format I-4)



PRICE ADJUSTMENT - DELETED



Bank Guarantee Form for Mobilization Advance

To

_____ [name of Employer]
_____ [address of Employer] _____ [name of Contractor]

In accordance with the provisions of the General Conditions of Contract, clause 31 ("Mobilization and Construction Machinery Advance") of the above-mentioned Contract _____ [name and address of Contractor] (hereinafter called "the Contractor") shall deposit with _____ [name of Employer] a bank guarantee to 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 modification of the terms of the Contractor or Works to be performed there under 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 modification.

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.

Yours truly,

Signature and Seal : _____

Name of Bank/Financial Institution: _____ Address :

_____ Date : _____

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

Bank Guarantee Form for Secured Advance - DELETED

25/11

Physical Completion Certificate

Name of Work:

.....
.....
.....

Agreement No. Date

Amount of Contract Rs

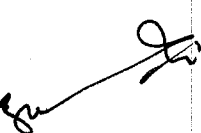
Name of Agency :

Used MB No.

Last measurement recorded

a. Page No. & MB No. _____

b. Date _____

 Certified that the above mentioned work was physically completed on (date) and taken over on (date) and that I have satisfied myself to best of my ability that the work has been done properly.

Date of issue

**Commissioner / Chief Municipal officer
Municipal Corporation, /
Municipal Council /
Nagar Parishad**

Final Completion Certificate

Name of Work: **Construction of Houses and Development of Infrastructure for Identified Slums at ' (NAME OF CITY) ' Under PMAY (Name of City) Municipal Corporation.**

Agreement no. Date

Name of Agency :

Used MB No.

Last measurement recorded

a. Page No. & MB No.

b. Date

Certified that the above mentioned work was physically completed on (date) and taken over on (date).

Agreed amount Rs.

Final Amount paid to contractor Rs.

Incumbency of officers for the work

I have satisfied myself to best of my ability that the work has been done properly.

Date of issue

**Commissioner / Chief Municipal officer
Municipal Corporation, /
Municipal Council/
Nagar Parishad**

Salient Features of Some Major Labour Laws Applicable

- 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 the prescribed minimum years (say, five years) of service or more or on death the rate of prescribed minimum days' (say, 15 days) wages for every completed year of service. The Act is applicable to all establishments employing the prescribed minimum number (say, 10) or more employees.
- c) **Employees P.F. and Miscellaneous Provision Act 1952:** The Act Provides for monthly contributions by the Employer plus workers at the rate prescribed (say, 10% or 8.33%). The benefits payable under the Act are:
- i. Pension or family pension on retirement or death as the case may be.
 - ii. Deposit linked insurance on the death in harness of the worker.
 - iii. 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 prescribed minimum (say 20) or more contract labour.
- f) **Minimum Wages Act 1948:** The Employer is 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 buildings, roads, runways is scheduled employment.
- g) **Payment 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 Remuneration 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 matters of transfers, training and promotions etc.
- i) **Payment of Bonus Act 1965:** The Act is applicable to all establishments employing prescribed minimum (say 20) or more workmen. The Act provides for payments of annual bonus within the prescribed range of percentage of wages to employees drawing up to the prescribed amount of wages, calculated in the prescribed manner. The Act does not apply to certain establishments. The newly set-up establishments are exempted for five years in certain circumstances. States may have different number of employment size.
- j) **Industrial Disputes Act 1947:** The Act lays down the machinery and procedure for resolution 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 prescribed minimum (say, 100, or 50). The Act provides for laying down rules governing the conditions of employment by the Employer on matters provided in the Act and gets these certified by the designated Authority.
- l) **Trade Unions Act 1926:** The Act lays down the procedure for registration of trade unions of workmen and Employers. The Trade Unions registered under the Act have been 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 processes and provides for regulations 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 prescribed minimum (say, five) 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, in an establishment to which this Act becomes applicable, are required to be provided certain facilities such as Housing, Medical-Aid, Travelling expenses from home up to 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 construction work and employs the prescribed minimum (say, 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 work place etc. The Employer to whom the Act applies has to obtain a registration certificate from the Registering Officer 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 the prescribed minimum (say, 10) persons or more with aid of power or another prescribed minimum (say, 20) or more persons without the aid of power engaged in manufacturing process.

MINIMUM ACCEPTABLE SPECIFICATIONS:

S NO.	DESCRIPTION	MINIMUM SPECIFICATIONS
1	RCC WORK	
	RCC in columns, beams and slabs	The detailed dimensions & mix of R.C.C. to be adopted shall be as per approved and vetted structural design and as per IS 456 (Only steel props ,H fame shall be used for shuttering below slab) In case of non-conventional technology as per proposal or bidder.
2	Masonry work	Masonry work shall be fly Ash brick in C:M 1:6 proportion and partition wall shall be in C:M 1:4 proportion. Peripheral and below foundation brick work is 200 mm thick. In case of non-conventional technology as per proposal or bidder.
3	Railing in staircase & balcony	1.00 mt high MS railing in all the houses in the staircase of the approved pattern with hand railing 50mm MS tube (medium class pipes, app railing wt 14 kg / m) and vertical bars embedded in waist slab. The height of the railing shall be 1.00 m from finished level of step as specified in drawing. II. 1.15 m high MS railing in balconies of approved pattern with hand railing of 40mm MS tube (medium class pipes, app railing wt 14 kg / m) above floor. III. Parapet on the terrace shall be 1.15 m above the finished terrace level. Parapet shall be provided of 100 mm thick RCC wall.
4	Conduits for electrical and Telecommunication cables	PVC Conduits to be laid as per National Building Code/ BIS standards and to be concealed mostly.
5	Door Shutters & Frame	
	Door Shutters	
	Main Door	30 MM thick non decorative flush doors shutters. With oil paint.
	Other Door	30 MM thick non decorative flush doors shutters. with oil paint. In case of non-conventional technology as per proposal or bidder.
	Frame	Main door and other doors except Toilet door - Pressed steel frames of Size 80x50mm Single Rebated Toilet Door Frame-MS angle 50x50x5mm In case of non-conventional technology as per proposal or bidder.
	Door Fittings	S.S fittings e.g. Tower bolts, handles, door stoppers, aldrops etc. will be provided as per standards.
6	Aluminum Window section	
	Window	2 tracks or 3 track sliding aluminum powder coated window having aluminum section frame wt. 1.0 kg/m with 4 mm thick transparent glass with all fixtures and fastening. Marble sill at bottom only. Safety grill should be provided.
	ventilator	Aluminum powder coated

	Door Fittings	S.S fittings e.g. Tower bolts, handles, door stoppers, aldrops etc. will be provided as per standards.
7	Flooring and Skirting	600mmx600mmx10mm Vitrified tiles in bed room, Living room, Kitchen, Wash, and Balcony. Ceramic floor tiles in toilets flooring with 100 mm high skirting in all rooms, Passage in residential, commercial area & Staircase polished kota stone .Kota stone Platform with sink.
8	Wall Tiles	
	Above kitchen Platform	Ceramic glazed wall tiles of 600mm high
	Wash area	Ceramic glazed wall tiles of 900mm high
	W.C.	Ceramic glazed wall tiles of 900mm high
	Bath	Ceramic glazed wall tiles of 1500mm high
9	Finishing work	
	Internal plaster	12 mm thick in 1:4 cement mortar.
	Ceiling	6 mm thick in 1:3 cement mortar.
	External Plaster	20 mm thick in 1:5 cement mortar.
10	Painting	
	Internal Painting	Deluxe Multi surface paint of superior quality.
	External Painting	Acrylic Smooth exterior paint
	Putty	Cement Based Putty in Living and Passage
	Painting on wood and steel work	Superior quality ready mixed paint over appropriate prime coat of ISI mark for all wood and steel work except outer faces which shall be synthetic enamel paint ISI mark.
11	Roof treatment	Waterproofing with Screed concrete
12	Internal Sanitary/Water Supply System	
	W.C. Pan	Indian/ Western type W.C .pan with flushing cistern as per the choice of user.
	PVC pipes	110/90/75 mm PVC pipes of 6kg/cm ² including all PVC fittings as per approved plumbing design.
	Gully Trap	Brick Masonry Chamber with Gully trap C.I. cover
	Chamber	Brick masonry with brick work of size 90 x 80 cm with Medium duty cover.
	Pipe connecting house manhole and service manhole and onwards	RCC NP2 class pipes of required Diameter
	Internal Water supply	G.I lines from OHT & terrace, From Terrace downward to all

		floors UPVC composite pressure pipes and fittings confirming to IS code, as per approved design.
13	Fire safety	As per norms
14	Lift.	Eight person capacity lift (With Machine Room) shall be provided confirming to relevant BIS Code and facade shall be cladded. Lift shall be automatic with gear mechanism & with lift cabin at terrace. Landing door, cabin door, shall be powder coated. Lift shall be with Automatic Rescue Device.

SECTION 3

Conditions of Contract

Part – II Special Conditions of Contract [SCC]

1.0 General

- 1.1 Subject to the nomenclature of the item and the specifications indicated hereafter, the work, in general, shall be carried out in accordance with the UADD ISSR 2012, CPWD Specifications and National Building Code of India read with correction slips issued up to the date of receipt of tenders and relevant IS Codes.
- 1.2 Wherever reference to any Indian standard specification occurs in the documents relating to this contract, the same shall be inclusive of all amendments issued thereto or revisions thereof, if any, up to the date of receipt of tenders.
- 1.3 Before commencement of the work, the successful bidder shall co-relate nomenclature of the items with all the relevant architectural and structural drawings to satisfy himself that the information available there from is complete and unambiguous. The figures and written dimensions on the drawings shall be followed. The dimensions shall not be scaled out. The contractor shall submit for approval of Engineer-in-Charge his workshop / fabrication drawings and the sample of work to be performed under the specified items of work before actually commencing the mass execution of work under the item. Nothing extra shall be payable on this account.
- 1.4 The contractor shall prepare and submit all shop drawings and Bar Bending Schedule to Engineer-in-Charge for approval prior to commencement of work.
- 1.5 The discrepancy in the drawings issued, if any, shall be brought to the notice of Engineer-in-Charge and architect for immediate decision before execution of the work. The contractor, alone, shall be responsible for any loss or damage occurring by the commencement of work on the basis of any erroneous information and no claim whatsoever, shall be entertained on this account.
- 1.6 In the event of any difference or discrepancy in the description of any item or its specifications, the same shall be resolved in the following sequence and decision of the Engineer-in-charge shall be conclusive, final and binding on the contractor:
- a) The nomenclature of the item shall take precedence over all and anything stated elsewhere.
 - b) The conditions and specifications attached to the tender documents shall take precedence over the provisions of UADD ISSR 2012 with up to date correction slips and relevant IS Codes.

- c) The UADD ISSR 2012 with amended correction slip up to the date of receipt of tender shall take precedence over provisions of relevant IS Codes.
- d) In case, it is not possible to resolve the issue with the help of tender documents, the provisions of relevant IS Codes shall be relied upon.
- e) In case, it is not possible to resolve issue with the help of any of the above stated documents, the decision and directions of the Engineer-in-charge shall be followed for execution and completion of any item of work.
- 1.7 The tenderer shall acquaint himself with the proposed site of work, its sub soil strata, soil investigating reports, underground water tables and its approach roads before quoting his rates. The construction of new approach road or repair of the existing approach and its maintenance during the execution of the work shall all be carried out by the contractor and nothing extra shall be payable over his quoted rates.
2. If for any reasons, any part of the site is not available temporarily for some time for part of the work under the contract, the agreed construction schedule shall be suitably modified and contractor shall diligently divert his men and materials to utilize them appropriately, profitably and no claim of damages whatsoever shall be entertained on this account. However, the contractor shall be allowed extension of time for completing the work as deemed fit by the competent authority. The contractor shall also not be entitled to any compensation for any loss suffered by him and revision in the rates quoted by him:
- a) On account of delay in commencing the work by the contractor
- b) On account of reduction in the scope of work.
- c) On account of suspension of work or abandoned after award of work.
3. The contractor shall make his own arrangement for obtaining electric connection required for execution of work and make necessary payments directly to the concerned departments and nothing extra shall be payable on this account.
4. The contractor shall make his own arrangement for water suitable for construction. The water for construction work shall be got tested quarterly from the laboratory approved by the Engineer-in-charge to ensure its suitability for construction. The charges for these tests and related arrangements shall be borne by the Contractor. In the event of water being found unsuitable for construction, the contractor shall make alternative arrangement for suitable water from any other source to the satisfaction of the Engineer-in-charge. However, the contractor shall not be paid extra on this account.
5. The contractor shall construct a sample (mock up) unit and make of samples of different activities complete in all respect as per the directions of the Engineer-in-charge and Architect. This sample unit shall be got approved from the Engineer-in-charge and Architect before commencing the mass work.
6. The contractor shall take care of all safety precautions pertaining to construction works, such as scaffolding, ladder, working platforms, gangways, electric arc/ gas welding, use of hoist and construction machinery.
7. On account of security consideration, some restrictions may be imposed by the security staff on the working movement of men and materials etc. The contractor shall be bound to follow all such restrictions/ instructions and he shall organize his work accordingly. No claim on this account, whatsoever, shall be payable.
8. The contractor shall take all precautions to avoid accidents by exhibiting necessary caution boards during day and night, speed limit boards, red flags, red lights and providing barriers. He shall be responsible for all damages and accidents caused to existing/ new work due to negligence on his part. No hindrance shall be caused to traffic during the execution of the work.

9. The Contractor shall take full responsibility for the care of the works and materials and Plant for incorporation therein from the Commencement Date until the date of issue of the Taking-Over Certificate for the whole of the works, when the responsibility for the said care shall pass to the Employer. The contractor shall be responsible for the watch and ward of the building safety of all fittings and fixtures including sanitary and water supply fittings and fixtures against pilferage and breakage during the period of installation and thereafter till the building is physically handed over to the department. Provided that the Engineer issues a Taking-Over Certificate for any Section or part of the Permanent Works, the Contractor shall cease to be liable for the care of that Section or part from the date of issue of the Taking-Over Certificate.
10. The contractor shall take all preventive measures against any damage caused by rain, snowfall, floods or any other natural calamity, whatsoever, during the execution of the work. The contractor shall be fully responsible for any damage to the Owner's property and to the work for which the payment has been advanced to him under the contract. This will also cover the defect liability period. Nothing extra on this account shall be payable to the contractor for maintaining such Insurance Policy.
11. Scope of Work during Defect Liability Period
- A) **Defect Liability Period shall be of 24 (Twenty four months)** after issuance physical completion certificate of work for the entire works (except water proofing and termite treatment) by the competent authority of the project. The scope of work during this period shall be as follows:-
- 1) The cost of maintenance shall be deemed to be included in tender and nothing extra shall be paid.
 - 2) Remove defects observed during this period in all permanent structures, drains etc. completely.
 - 3) If any item has manufacturing defect, contractor shall replace the same at his own cost. If it is damaged by any other means, the fixtures/ fittings shall be provided by the Department, and the same shall be installed by contractor at his own cost.
 - 4) Shall got tested every six months the firefighting system to ensure its suitability and functionality.
- B) Defect Liability shall be of 5 years (Five years) for the water proofing and Anti-termite treatment works of the project. If any defects are observed, they should be rectified immediately by the contractor. An amount of 5% of the total amount of water proofing and Anti-termite treatment works amount of works shall be retained by the department in the form of Bank Guarantee or interest bearing securities from any Nationalized/ Scheduled Bank for Water proofing and Anti-termite works and shall be released after successful completion of the defects liability period.
12. The work shall be carried out, complying in all respects, with the requirements of relevant bye-laws of the local body under the jurisdiction of which the work is to be executed, specifications, conditions of contract, drawings or as directed by the Engineer-in-Charge and nothing extra shall be paid on this account.
13. The contractor shall comply with proper and legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charges which may be liable.
14. The contractor shall give due notices to Municipal, Police and/or other authorities that may be required under the law/rules under force in the area and obtain all requisite licenses for

temporary obstructions / enclosures and pay all charges which may be levied on account of his execution of work under the agreement. Nothing extra shall be payable on this account.

15. Materials to be incorporated in the work shall be arranged by the contractor and shall be in accordance with the specifications and bearing ISI Certification Mark only unless otherwise specified or allowed in writing by the Engineer-in-Charge. Any material banned by the department shall not be used in the work. In case of specific items the material shall be in accordance with the enclosures approved items.
16. The contractor shall submit to the Engineer-in-charge and Architect samples of all materials for approval. Such samples of materials which affect aesthetics of the work shall also be got approved from the Engineer-in-charge and Architect of the project before procuring bulk supplies. These approved samples shall be preserved and retained in the custody of the Engineer-in-charge as standards of materials till the completion of the work. The cost of such samples shall be borne by the Contractor and nothing shall be payable on this account over the Agreement rates.
17. The contractor shall be required to get all the necessary mandatory and other tests as per the specifications/ IS codes, carried out on materials/ work from an approved laboratory as per the direction of the Engineer-in-charge. The testing charges and conveyance from the site shall be borne by the contractor.
18. In case any material, work is found sub-standard the same shall be rejected by the Engineer-in-charge/ Architect representative and the same shall be removed from the site of work within 48 hours, failing which the same shall be got removed by the Engineer-in-charge at the risk and cost of the contractor without giving any further notice and time.
19. The treads and risers in staircase, door & window sills shall be in single piece stone only, unless otherwise shown on the drawings or as directed by Engineer-in-Chief & Architect.
20. In order to ensure quality of work during its execution, the Engineer-in-charge and Architect representative may require samples for mandatory or routine testing of materials. All costs of these samples, their packaging, conveyance from the site to the testing laboratory and return, shall be borne by the contractor.
21. Even ISI marked materials may be subjected to quality test at the discretion of the Engineer-in-charge/ Architect. Whenever ISI marked materials are brought to the site of work the contractor shall, if required by the Engineer-in-charge/ Architect, furnish manufacturer's test certificate or test certificate from approved testing laboratory to establish that the materials procured by the contractor, satisfy the provisions of relevant ISI codes. The testing charges shall be borne by the contractor. However, cement/ steel will be necessarily tested before start of work and also during the execution of work as per the requirements of specifications and will not be used until test certificates are obtained and approved by Engineer-in-Charge/ Architect.
22. The contractor shall procure minimum 43 grade (conforming to IS:8112) Ordinary Portland Cement only as required for the work from the reputed manufacturers of cement, such as A.C.C., J.P., Ultratech, J.K., Birla or equivalent as approved by the employer or EIC. Supply of cement shall be taken in 50 kg bags bearing manufacturers name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-charge and got tested in accordance with provisions of relevant IS codes. In case test results indicate that the cement arranged by the contractor does not conform to the relevant IS codes, the same shall stand rejected and shall be removed from the site by the contractor at his cost within a week's time of the written order from the Engineer-in-charge to do so.

- (i) The cement shall be brought at site in not less than 25 tons lots or as decided by the Engineer-in-charge / Architect.
- (ii) The cement store room shall have a capacity of minimum of 2000 bags of cement. The store should be constructed by the contractor at site of work for which no extra payment shall be made. The contractor shall be responsible for the watch and ward and safety of the cement store room. The contractor shall facilitate the inspection of the cement store room by the Engineer-in-charge at any time.
- (iii) The contractor shall supply free of charge the cement/other material required for testing. The cost of tests shall be borne by the contractor.
- (iv) The actual issue and consumption of cement on work shall be regulated and proper accounts should be maintained. The theoretical consumption of cement shall be worked out as per procedure prescribed in the contract and shall be governed by conditions laid therein.
- (v) Cement brought to site and remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-charge at any time.

23. The contractor shall procure steel reinforcement bars TMT FE-500 only (Thermo Mechanically Treated) confirming to relevant IS Codes such as SAIL, TISCO, VAIZAG, RINL, Jindal or equivalent as approved by the employer or EIC. Structural steel of main Producer TATA, SAIL, Jindal or equivalent as approved by the employer or EIC shall be permitted for use. The contractor shall have to obtain and furnish test certificates to the Engineer-in-charge in respect of all supplies of steel brought by him to the site of work. Samples shall also be taken and got tested by the Engineer-in-charge as per the provision in this regard in relevant IS codes. In case the test results indicate that the steel arranged by the contractor does not conform to BIS codes the same shall stand rejected and shall be removed from the site of work by the contractor at his cost within a week's time from the written orders from the Engineer-in-charge to do so. The cost of steel, testing charges and to & fro cartage shall be borne by the contractor.

- (i) The steel reinforcement shall be stored by the contractor at site of work in such a way as to prevent distortion and corrosion and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking at any time as and when desired by the Engineer-in-charge/ Architect.
- (ii) The contractor shall supply free of charge the steel required for testing.
- (iii) The actual issue and consumption of steel on work site shall be calculated and proper accounts shall be maintained. The theoretical consumption of steel shall be worked out as per the standard procedure and shall be governed by conditions laid therein.
- (iv) Steel brought to site and steel remaining unused shall not be removed from site without the written permission of the Engineer-in-charge.

24. The work shall be executed and measured in metric system. The metric dimensions given in the schedule of quantities and drawing, etc. shall be followed. (The dimension in FPS units wherever indicated, is for guidance only). The figures in the drawings shall be followed.

25. For measurement purpose the floor level shall mean the top surface of main structural RCC slabs of that floor and not the top of sunken floor of toilets or any other depressed floor.

26. The contractor shall be responsible for completing the work and for satisfying all terms and conditions of the contract without any extra payment over his quoted rates unless otherwise

specified. The contractor shall quote his rate for various items of work accordingly and no claim whatsoever shall be entertained for any incidental or extra work involved in the execution of the work as per nomenclature of the item and the specifications indicated in the tender documents.

27. Subject to the nomenclature of the item as per schedule of quantities, the specification indicated in the tender documents, the rates quoted shall include cost of all materials including royalty and taxes if any, labor, sundry inputs, execution of work at all heights, levels, pattern and design for all leads, lifts and depths including overhead charges and contractor's profit. Nothing extra shall be paid on this account.
28. The rate shall be inclusive of making design, pattern and execution of work as per Architectural and structural drawings, at all levels and heights.
29. The rates shall be inclusive of making any holes in walls/ RCC work for fixing any fixture/ frame work and making good the structure to its original shape and finish.
30. The rate of items of flooring shall be inclusive of work for sunken or depressed floors.
31. The rate shall be inclusive of working under water and adverse or foul conditions and including pumping out or bailing out water, dewatering unless otherwise specified in the nomenclature. This will include water encountered from any source such as rains, floods and any other cause whatsoever and including sub-soil water.
32. Other agencies doing works related with this project will also simultaneously execute the works and the contractor shall afford necessary co-ordination for unhindered completion of these sub-works.
33. The contractor shall leave necessary holes, opening, etc. as may be directed by the Engineer-in-Charge for lying, burying or fixing, conduits, pipes, boxes, hooks, fans etc. Conduits for electrical wiring/ cables shall be laid in a way that they leave enough space for concreting and do not adversely affect structural members.
34. The contractor shall give a satisfactory performance test of installations individually and as a whole to ensure their proper functioning before the work is finally declared and completed and accepted.
35. The contractor shall continue to maintain watch and ward to safeguard the Owner's property in his possession until the same is formally handed over as per directions of the Engineer-in-charge. Nothing extra shall be paid on this account.
36. All tools, plants and measuring or weighing equipments shall be arranged by the contractor himself and nothing extra shall be paid to the contractor on this account.
37. The contractor shall protect the adjoining buildings or works and the work under execution from fire and shall make adequate arrangements for fire protection and fire fighting and if any property is damaged by fire due to the negligence of the contractor, the same shall be made good by the contractor at his own cost to the complete satisfaction of Engineer-in-charge.
38. The contractor shall provide adequate lighting arrangements as approved by the Engineer-in-charge for carrying out the work during night time, if so required and also provide all other facilities for the labour employed to carry out the work as per direction of Engineer-in-Charge. Nothing extra shall be paid on this account
39. In order to achieve the targeted date of completion the contractor may have to work in multiple shifts, round the clock including public and gazetted holidays and nothing extra shall be paid on this account.

40. The contractor shall get the samples of all the materials to be used in the work approved from Engineer-in-Charge and Architect before going for bulk procurement. Bulk procurement shall be taken up only after obtaining approval from the Engineer-in-charge. Any delay in getting the samples approved shall be contractor's responsibility.
41. All materials, articles and workmanship shall be of respective best quality and kind for the class described in the schedule of quantities and specifications. All materials so used in different items of work shall be subject to the approval of the Engineer-in-charge and Architect.
42. The contractor shall be responsible for all statutory provisions and deductions towards ESI, PF or any other, as the case may be or any other levies and taxes shall be borne by the contractors.
- Taxes: All duties and taxes including Commercial Tax, VAT, Works Contract Tax, Service Tax, TDS, Octroi, Duties, Royalties, Labour Welfare Cess and any other direct or indirect taxes and duties levied by the Central Government, State Government, Local Bodies and any other Government agency or private individuals on the contractor's work are inclusive in the contract/ tender price of this tender and such taxes and duties will be borne and paid by the contractor.
43. The contractor is supposed to abide by the minimum wages act, and shall produce all records to the Engineer-in-charge or any other statutory authority as and when called for. The Engineer-in-charge does not hold any responsibility on account of any lapses in this regard.
44. For any clarification/ doubt, the employer/Progressive view may organize regular meetings with Contractor. The contractor shall attend such meetings invariably as and when required.
45. Management review meetings shall be held monthly or at discretion of the Engineer-in-Charge with a notice of 7 days and senior management personnel from the contractor shall be present during such meetings. Nothing extra shall be paid on this account.
46. In respect of the work of other agencies, where the commencement or progress of such work of any other agency is dependent upon the completion of particular portions of the contractor's work or generally upon the contractor maintaining progress in accordance with the approved coordinated construction program, it shall be the responsibility of the Contractor to complete such portions and maintain such progress. Should any difference arise between the contractor and the other agencies, these shall immediately be brought to the attention of the Engineer-in-Charge who after reviewing the matter(s) causing the differences will give their decision which shall be final and binding on the contractor.
47. The contractor shall have to do all drilling of holes and cutting of walls, chases or other elements of the building for the complete and proper installation of the pipe lines / ducts other equipments by using electrically operated tools such as drills / chases cutting machine etc. Manual drilling or chiseling or cutting shall be permitted on special request only. No chiseling or cutting or drilling of RCC columns, beams, girders and other principal structural members shall be done unless prior permission has been granted by the Engineer-in charge in writing.
48. All chases and openings made by the contractor for his pipe lines shall be filled / covered over with cement plaster in reasonable manner. Before rough plastering on the pipe surfaces the concealed pipes shall be secured to the wall by using proper supports / clamps.
49. After completion of work and before issuance of certificate of completion the contractor shall submit eight (8) sets to the Engineer-in-charge all the as-built drawings including layout drawing drawn at an appropriate scale and with 2 copies on CD/DVD indicating the complete

PLUMBING/ SANITARY / Electrical system 'as installed', with written approval of Engineer-in-charge on the 8 sets.

50. The contractor shall prepare and produce instruction, operation and maintenance manuals with warranties and guarantees in English for the use, operation and maintenance of the supplied equipments and installations, and submit to the Engineer-in-charge in (8) copies at the time of handing over. Generally these consist of the following:
- a. Description of the project
 - b. Operating instructions
 - c. Maintenance instructions including procedures for preventive maintenance
 - d. Manufacturer's catalogues
 - e. Spare parts list
 - f. Trouble shooting charts
 - g. Drawings
 - h. Type and routine test certificates for major items
 - i. One (1) set of reproducible 'as built' drawings on appropriate material as directed by Engineer-in-Charge
 - j. Warranties and guarantees of Installed Plant and Equipment and other work like waterproofing, Anti-termite treatment of the soil
51. (i) The Contractor shall employ competent fully licensed/ qualified plumber for the work of Plumbing/ Sanitary installations in accordance with the drawings and specifications. The licensed plumber shall be available at all times at site to receive instructions from the Engineer-in-Charge in the day to day activities throughout the duration of execution of plumbing/ sanitary work.
- (ii) On completion of the Plumbing/ Sanitary installation a certificate shall be furnished by the contractor, countersigned by the licensed plumber under whose direct supervision the installation was carried out. This certificate shall be in the form as required by the Engineer-in-charge.
52. (i) The contractor shall not be provided storage/ office space for his use. The space has to be constructed/ maintained by the contractor as per his usage requirements. The contractor shall arrange to provide site office accommodation at an appropriate location for employer, Staff and Architect's Staff, along with all required good quality office furniture, as directed by Engineer-in-Charge/ Architect for which no extra payment will be made. All spaces allotted to the contractor as described above shall be vacated and all structures shall be removed from site at any time as and when required and directed by the Engineer-in-charge unconditionally and without any reservation. The Engineer-in-charge will not be obliged to give any reason for such removal. Upon receiving instructions to vacate the space, the contractor shall immediately remove all his structures, materials, etc. from the sources and clear and clean-up the site to the satisfaction of the Engineer-in-charge. It shall be the responsibility of the Contractor to safeguard the site and ensure that no illegal encroachments are made by outside elements within the area allotted to the contractor. Upon completion of the work or earlier as required by Engineer-in-Charge, the contractor shall vacate the land totally without any reservation.
- (ii) The contractor will arrange to erect, at his own cost, G.I. Sheet fencing or other approved appropriate fence around the infrastructure site, with entry/exit gates at suitable points. The contractor shall, at his own cost, provide and erect suitable fencing around the spaces allotted to him at the infrastructure sites to ensure the security of his men, materials and equipment within the sites and in relation to other contractors who will also be allotted

spaces at above sites. The security of workmen, materials, equipment stores etc. within the area allotted to the contractor shall be the responsibility of the contractor.

(iii) The office shall have computer facilities with following computer configuration along with printers, plotters, photocopiers etc.:-

- (a) Processor: Core I3, 3.10 GHz : 4NOS
- (b) RAM: 4GB (min) A+ HDD 500 GB
- (c) DVD ROM Drive with DVD writer,
- (d) Mouse, Keyboard, Modem.
- (e) Plotter: Sufficient for A1 size Page
- (f) Photocopier: Sufficient for A3 size page.
- (g) High Speed Broadband Internet connection
- (i) Digital Camera with Data Transfer capabilities.
- (j) Software shall be as required.

(iv) The contractor shall periodically take photographs / videos of site prior to commencement of work, during construction and after completion of work as suggested and shall submit the photographs / videos in soft and hard copies to employer and Architect for which no extra payment will be made. The contractor shall, apart from the above, take photographs or digital videos of critical elements as instructed by Engineer-in-Charge and submit the same for which no extra shall be payable.

(v) Site order book with numbered pages shall be kept on site. Contractor shall carry out all instructions properly and to the satisfaction of Engineer-in-Charge.

53. The Contractor(s) will have to keep on site complete survey instruments like Total Station / Theodolite / Auto Level along with full time technical personal to operate those instruments to facilitate and obtain the information required as instructed by Engineer-in-Charge and Architect, for which no extra payment will be made.

54. If required and directed by Engineer-in-Charge or Architect, contractor shall arrange visits of his personnel comprising of Engineer-in-Charge's, Architect's representative etc. to various places/ plants in or outside project town to check and verify the quality of material at manufacturer's places. No extra cost shall be given for this to contractor.

55. The site of the work shall have a full-fledged testing laboratory (of minimum 25 sq.m.) equipped with the following equipments for testing of materials, This laboratory shall be established at work site by the contractor at his own cost and nothing extra shall be payable on this account. Test report or material shall be maintained for inspection to be done by the employer at all times in the testing laboratory by the contractor. **Refer Annexure-I (Format:I-4)**

56. The number of equipments for testing shall be decided as per the quantum of work and frequency of test and contractor shall provide for the same accordingly.

57. The list of mandatory tests is as follows:

Material	Test	Relevant IS Code of testing	Field/ Laboratory Test	Minimum quantity of materials/ work out test	Frequency of testing
Sand	a) Silt content	IS:2386 part-I	Field	20 cum	Every 20 cum or part thereof or more frequently as decided by the Engineer-in-Charge.

Material	Test	Relevant IS Code of testing	Field/ Laboratory Test	Minimum quantity of materials/ work out test	Frequency of testing
Stone Aggregate	a) Percentage of soft or deleterious material	IS:2386 Part-II	General visual inspection, laboratory test where required by the Engineer-in-Charge		As required by Engineer-in-Charge.
	b) Particle size distribution	IS:2386 Part-I		45 Cum	For every 45cum or part thereof as decided by the Engineer-in-Charge
	c) 10% fine value	IS:2386 Part-IV	Laboratory	45 cum	Initial test and subsequent test as and when required by Engineer-in-Charge.
Cement Concrete, Reinforced Cement Concrete (not leaner than M15)	Slump test	IS:1199	Field	15 Cum	15 cum or part thereof or more frequently as required by Engineer-in-Charge.
Reinforced Cement Concrete	Cube strength	IS:456	Field	As per relevant IS Code	
Steel (if arranged by the contractor)	a) Tensile Strength b) Bend Test	IS:1608	Laboratory	As per IS Code	Every 20 tonne or part thereof confirming to IS:1786-1985
Cement (if arranged by the contractor)	a) Test for initial and Final setting Times	IS:4031	Field	10 tonne	IS:4031-1988
	b) Test of Determination of compressive strength of Cement	IS:4031	Field	50 tonne	IS:4031-1988
Bricks	Testing of Brick			As per relevant IS Code	For every 1,00,000 bricks or part thereof.
	a) Dimension	IS:1077	Laboratory/ Field	As per relevant IS Code	
	b) Water absorption & efflorescence	IS:3495	Laboratory	As per relevant IS Code	
	c) Compressive	IS:3495	Laboratory	As per relevant IS	

Material	Test	Relevant IS Code of testing	Field/ Laboratory Test	Minimum quantity of materials/ work out test	Frequency of testing
	strength			Code	
Brick tiles	a) Compressive strength & dimensions	IS:3495	Laboratory	50000	For every 50000 or part thereof.
	b) Water Absorption				One test for source of manufacture.
Marble	a) Moisture Absorption	IS:1130	Laboratory	Cost of Marble work Rs. 10000	Rs. 1000 or part thereof if required by Engineer-in-Charge.
Timber	a) Moisture Contents	IS:11215	(By moisture meter field / laboratory test in case of dispute as required by Engineer-in-Charge.	1 Cum	Every one cum or part thereof.
Flush door	a) Emersion Test b) Knife test c) Adhesion	IS:2191 and 22021	Laboratory	---	For testing of shutters discretion of Engineer-in-Charge may be adopted however a certificate from the manufacturer may be taken for the quality of the product. If required necessary testing may be done as per IS Code.
Aluminium door or windows fittings	Thickness of Anodic Coating	IS:1948	Laboratory	If the cost of fittings exceed Rs. 3000	Rs. 5000 or part thereof required by the Engineer-in-Charge.
Mortise Lock	Testing of Spring		Laboratory	50 Nos.	100 or part thereof.
Terrazzo Tiles	a) Transverse Strength	IS:1237	Laboratory	2000 tiles	2000 tiles of part thereof.
	b) Water Absorption				
	c) Abrasion Test				
White Glazed	a) Water Absorption	IS:777	Laboratory	3000 Nos.	3000 Nos. or part thereof.

Sampling of Concrete:

The minimum frequency of sampling of concrete or each grade shall be in accordance with the following:-

Quantity of concrete in	Number of Samples
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work (Cum)	
1-5	1
6-15	2
16-30	3
31-50	4
51 and above	4 plus one additional sample for each additional 50 cum or part thereof.

Note: At least one sample shall be taken from each shift. Where concrete is produced at continuous production unit, such as ready mixed concrete plant, frequency of sampling may be agreed upon mutually by supplier and purchasers.

58. Minimum 20% of the prescribed number of tests of the material to be used in the work shall be got tested at National Accreditation Board for Testing and Calibrating Laboratories (NABL) accredited testing laboratory at cost of the contractor, and nothing extra shall be payable on this account.
59. All the records of tests carried out shall be maintained at site by the contractor and shall be available at all times for inspection.
60. The contractor shall arrange minimum plant and equipments as **Annexure-I (Format:I-5)** at site for the execution of work. These may have to be increased depending on the requirement site.
61. The quantities indicated are for guidance only. However, it may vary to any extent and the contractor should not have any financial or other implications for such variations. The employer reserves the right to reduce the scope of work of any item if the contractor fails to deliver the works in time and the contractor shall not ask for any financial consideration for such deletion of scope of the work.
62. All fossils, coins, articles of value or antiquity and structures and other remains or things of geological or archaeological interest discovered / excavated on the Site shall, as between the Employer and the Contractor, be deemed to be the absolute property of the Employer. The Contractor shall take reasonable precautions to prevent his workmen or any other persons from removing or damaging any such article or thing and shall, immediately upon discovery thereof and before removal, acquaint the Engineer of such discovery and carry out the Engineer's instructions for dealing with the same. Any excavated material, as deemed fit for use in the works, shall be put to use by the contractor as instructed by the Engineer-in-Charge. All such materials used shall be deducted from the payment for works at a rate as decided by the Engineer-in-Charge.
64. All statutory approvals and sanctions from Electrical Inspectors and respective electric supply and regulatory authority for Permanent connection etc. are to be obtained by the Contractor at no extra cost. Only the official payment made in the Government treasury for deposit etc. will be reimbursed against the treasury slip.
65. All statutory approvals for Permanent Water, drainage, fire fighting, Municipal and other services are to be obtained by contractor at no extra cost. Only the official payment made in the Government treasury or to the local bodies for deposit etc. will be reimbursed against the treasury slip.
66. The contractor shall have to furnish a ROYALTY CLEARANCE CERTIFICATE from the District Collector before final bill.
67. The contractor has to get himself registered regarding the service tax with the Commissioner, Customs, Central Excise & Service Tax, Government of India as per rules applicable.

68. All statutory approvals for permanent fire NOC and other services are to be obtained by contractor at no extra cost. Only the official payment made in the Government treasury or to the local bodies for deposit etc. will be reimbursed against treasury slip.

69. Road Works

- i. The contractor shall have to produce test certificate in the Performa prescribed/ approved by BIS, from the manufacturer for every batch of steel brought to site of work.
- ii. Top layer of B.C. Soil is to be removed up to the required level and sub grade should be compacted up to at least 97% of maximum dry density. The compaction would be done by soil compactor Vibratory rollers.
- iii. All road works shall be carried out in accordance with MORT&H latest specifications.
- iv. No lead will be payable for transportation of excavated materials. The excavated materials shall be spread and dressed anywhere in the campus area itself / nearby up to a distance of 5 Kms as per direction of Engineer-in-charge.
- v. The cost of materials consumed on testing either at site or in different laboratory and the cost of testing will not be paid.
- vi. Frequencies of the prescribed tests to be carried out must not be less than the prescribed frequencies in MORT&H latest specifications and relevant IS codes. Copies of register containing record of such tests shall be presented along with running bill. Test shall be conducted by the contractor's engineer under the supervision of the Engineer-in-charge or his authorized representatives.
- vii. Frequent testing as desired by the Engineer-in-charge and Architect will have to be carried out at other reputed laboratory to check the quality of materials procured by the contractor at site and to check the quality of the work executed. All charges for testing shall be paid by the contractor, failing which the same shall be got done by Engineer-in-charge and charges shall be recovered from the contractor's bill at double the rates charged by the testing agency.
- viii. All RCC pipes shall be as per the latest IS code no 458 & ISI marked pipe shall be of Socket & spigot type only. Contractor should produce the certificate in support of the same.
- ix. Contractor shall have to submit Royalty clearance certificate for the materials consumed from the concerned authority along with the bills.

70. Special Conditions for Electrical Works

- i. The estimate and working drawings for entire electrical works is to be got approved by the contractor from concern M.P. Viduyat Vitran Co. Ltd. before execution of work. All the electrical lines and sub stations etc. i.e. Electrical works should be got installed by contractor after getting necessary shut down, if required from concern M.P. Viduyat Vitran Co. Ltd. and he has to obtain all necessary permission from state / central or other departments as and when applicable before and during the construction or execution of work.
- ii. The contractor has to maintain all safety precautions as per rules and regulations of Indian Electricity Act, M.P. Licensing Board, concern M.P. Viduyat Vitran Co. Ltd., all concerned departments of Central Government and State Government etc. The contractor shall be fully and solely responsible for the insurance of his own work, material, working staff, employee and directly or indirectly employed labourers / working and any accident or any damage caused to any person or property from / during the course of execution of the work till handing it over to concern M.P.

Viduyat Vitran Co. Ltd. / Municipal Corporation / or other Competent Authority as applicable for the work. Any officer/employee / consultant of the employer shall not be responsible for any accident or any damage caused to any person or property for during the execution of the work till handing it over to the departments mentioned above and thereafter.

- iii. All material supplied and installed shall be of the best quality and strictly as per the approved makes only as approved by architecture, Engineer in charge. RMC reserves the right to get any or all items checked at contractor's cost from any Government Laboratory (CPRI/ NABL/ eRDA etc.) Government approved/ Private Laboratory of national or local level as required. The quality of items should be as per relevant IS specifications or described in items. The samples of all materials (as required) shall be got approved by EIC / technical committee before installation and execution of work. Samples approval / rejection on any parameter should be binding on contractor and department does not bind himself to give any reason for his decision. The contractor shall arrange testing for any parameter of material / equipments at site or at approved laboratories or at factory. No extra cost shall be paid for any expenses occurred in such testing contractor shall bear all the cost of travelling, lodging etc. of inspection team. To assure that all material installed by the contractor is genuine the contractor should purchase all material of approved make through authorized agent or representative of the manufacturers of approved make. If required by the Engineer-in-charge / Engineer (Electrical), the contractor shall show the original purchase bills and submit photo copies of these bills and the original certificate from the manufactures showing that the material supplied / installed is genuine.
- iv. The drawing which may be issued with the tender are diagrammatic and indicative to the arrangement of various components of the Systems and to the extent of work. But the actual work to be carried out will be as per the approved working drawings which can vary to any extent. The quantities given in the tender may vary and some items may not be used at all depending on work conditions and / or concern M.P. Viduyat Vitran Co. Ltd. requirements and the contractor shall have no claim on this account.
- v. Contractor has to prepare detailed working drawings, shop drawings, fabrication drawings based on the basic of General Arrangement drawings / guidelines as per the relevant Standards, specifications site / situations rules and laws and he will get prior approval for these drawing from Competent Authorities / departments and Engineer-in-charge before starting the work. After approval, contractor shall make the requisite changes as suggested and submit the final execution drawing in six copies will be returned to him for execution duly signed by EIC & Consultant. No extra cost shall be given for this to the contractor.
- vi. On the completion of the work the contractor shall supply completion drawing in 3 copies with original tracing. A soft copy of completion drawings (on AutoCAD) shall also be provided by the contractor. All test reports of the internal and external electrification installation in three copies shall be handed over to engineer in-charge in good condition by the contractor before finalization of his final bill. The contractor shall supply all above items free of cost.
- vii. After completion of the entire work, test report should be submitted to the Competent Authorities of concern M.P. Viduyat Vitran Co. Ltd. and M.P. Licensing Board and also to the Engineer in Charge and NOC is to be obtained from M.P. Licensing Board and submitted to the Competent Authorities of concern M.P.

Viduyat Vitran Co. Ltd. and RMC Necessary charges (Government Fees) will be paid by RMC for charging of work.

The contractor has to get the entire electrical work charged and the entire external electrification work including the lighting installation should be handed over to concern M.P. Viduyat Vitran Co. Ltd. / Municipal Corporation / or other Competent Authority as applicable in this matter as per the instructions of the Engineer in Charge.

During the maintenance period the contractor / agency have to carry out all necessary repairs within required period looking to the urgency of work as decided by engineer in- charge. The maximum limit, if allowed by engineer-in-charge, shall be 3 days of receipt of such communication from Engineer-in-charge. If defects & damages are not rectified to full satisfaction of engineer-in-charge within time limit, then department reserves right to get the work done by any outside agency & amount paid for such works will be recovered from the amount deposited by contractor / agency against Performance & Maintenance Security & Security Deposit etc.

Handing over formalities must be done by agency / contractor immediately after completion of work along with charging of line and if any bonafide intention of delay is observed n that case department reserves the right to with hold/ encases security of the contractor / agency and no separate advance notice to this respect shall be necessary.

71. If the probable amount of contract is more than Rs. 50.00 Crore:
(a) The Contractor will have to install, at project site, a fully automatic batching plant (Ready Mix Concrete Plant) having capacity to produce concrete work required for the project. This Ready Mix Concrete Plant shall have adequate transit mixture including arrangement for pumping of concrete.
(b) The contractor shall have to use H frames for Scaffoldings and steel/ply wood shuttering for beam and columns as instructed by the Engineer.
72. An electrical sub contractor should have "A" class license from the office of chief electrical inspector in-charge of the area under which work is executed. The Sub contractor shall appoint licensed electrical supervisors and wiremen to carry out the complete HT and LT electrification work.
73. In case temporary/transit accommodation for beneficiaries during construction period is required, the Contractor will have to provide Transit housing including all material and Labour as per the norms specified by Government and as per details given for the slum dwellers (Beneficiaries) who may have to be temporarily shifted to facilitate the construction. These transit accommodations will necessarily consist of all the provisions of basic amenities like toilets, water, electricity etc.
74. Special conditions as mentioned above shall supersede the relevant clause(s) of the NIT, conditions of contract and relevant condition(s) of relevant SOR.
75. The Bid drawings attached with the tender are tentative and subject to changes as per site Conditions during execution. The bidders shall not have any claim whatsoever on account Of such changes in drawings at later stage during execution.

LIST OF APPROVED BRANDS AND MAKE OF CIVIL WORK

S. NO.	ITEM	MAKE
01.	Grey Cement	Ultratech, ACC, JK or equivalent make as approved by EIC and Architect.
02.	White Cement	JK, Birla or equivalent make as approved by EIC and Architect.
03.	HRC-TMT Reinforcement Bars – High Corrosion Resistant, Thermo Mechanically Tested (TMT) Hot Rolled Deformed Bars	Conforming to IS and TISCO, SAIL, RINL make or equivalent make as approved by EIC and Architect.
04.	Concrete Additive	FOSROC, CICO-TL, SIKA or equivalent make as approved by EIC and Architect.
05.	Flush Doors	GREEN, DURO, CENTURY or equivalent make as approved by EIC and Architect.
06.	Plywood / Block Board	ANCHOR, GREEN, CENTURY, DURO or equivalent make as approved by EIC and Architect.
07.	Pre-laminated Particle Board	NOVAPAN, ARCHIDLAM or equivalent make as approved by EIC and Architect.
08.	Laminates	CENTURY, GREENLAM, FORMICA or equivalent make as approved by EIC and Architect.
09.	Vitrified Tiles	KAJARIA, ASIAN, SOMANY or equivalent make as approved by EIC and Architect.
10.	Ceramic Tiles	KAJARIA, ASIAN, SOMANY or equivalent make as approved by EIC and Architect.
11.	Anti-skid tiles	KAJARIA, ULTRA, ASIAN or equivalent make as approved by EIC and Architect.
12.	Tiles & Stone fixing Adhesive	BAL, KARKQUALL or equivalent make as approved by EIC and Architect.
13.	All Paint, primer, oil bound distemper & synthetic enamel	Asian, ICI, Nerolac or equivalent make as approved by EIC and Architect.
14.	Water proof exterior paint	Asian, ICI, Nerolac or equivalent make as approved by EIC and Architect.

15.	Float Glass	MODI GUARD, SAINT GOBAIN, ASAHI or equivalent make as approved by EIC and Architect
16.	Water proofing compound Agency	As Approved by EIC and Architect
17.	Anti-termite Treatment Agency	As Approved by EIC and Architect
18.	Anodized Aluminum fittings	ZINDAL, INDAL, HINDALCO or equivalent make as approved by EIC and Architect.
19.	Hinges	EBCO, Flora or equivalent make as approved by EIC and Architect.
20.	Bricks	Best Quality Open Bhatta Bricks as approved by EIC.
21.	Sand	Narmada Sand as approved by EIC.
22.	Aggregate	Best quality locally available obtained from cone crusher as approved by EIC.
23.	Lock	Godrej Make or or equivalent make as approved by EIC and Architect.
24.	Automatic Door / Hydraulic Door Closer / Floor Spring	DORMA, GEZE or equivalent make as approved by EIC and Architect.
25.	Stone Texture Finish	UNITILE, ASIAN or equivalent make as approved by EIC and Architect.
26.	Door Fittings	DORMA, GEZE, EBCO or equivalent make as approved by EIC and Architect.
27.	Sanitary Ware	KOHLER, DURAVIT or equivalent make as approved by EIC and Architect.
28.	Bath Fittings	KOHLER, HANSGROHE or equivalent make as approved by EIC and Architect.
29.	ACP Sheet	ALSTRONG, ALCOBOND or equivalent make as approved by EIC and Architect.
30.	Gypsum board	As approved by EIC and Architect
31.	Polycarbonate sheet	As approved by EIC and Architect
32.	Colour coated sheet	As approved by EIC and Architect
33.	GI Pipes	TATA, JINDAL or Approved Equivalent
34.	CPVC Pipes / Fittings	ASTRAL or equivalent make as approved by EIC and Architect.
35.	PVC Pipes / Fittings	Finolex, Prince, Suprime or equivalent make as approved by EIC and Architect.
36.	CI Pipes	As approved by EIC and Architect.
37.	Nahai Trap PVC	Finolex or equivalent make as approved by EIC and Architect.
38.	SS Pipe 304 grade	As approved by EIC and Architect.
39.	Aluminium Panel Sun Louvres	Hunter Douglas India Pvt. Ltd. or equivalent make as approved by EIC and Architect.

NOTE:

This is a general indicative list of the materials for the brand and make of the material to be used by the contractor. The specification mentioned in the Schedule of Quantities shall take precedence. However, the contractor shall take approval of Architect and EIC regarding the make and type of each material before execution. The Architect and EIC's decision regarding the use of material mentioned above or mentioned in Schedule of Quantities or equivalent will be final and binding on the contractor. In case contractor wishes an alternative other than suggested by Architect, equivalent to those listed above or mentioned in Schedule of Quantities for economy and better quality, the name shall be submitted to Architect and EIC giving detailed specification, catalogue, price list along with the samples for approval from the Architect. All the necessary test shall be carried out at no extra cost and report be submitted to EIC and Architect. The Architect and EIC reserve the right to permit or nor permit the contractor for use of other alternate without any reasons and contractor is bound to follow the decision of the EIC and Architect in this regard.

LIST OF APPROVED MAKES FOR ELECTRICAL

S. NO.	ITEM DESCRIPTION	MAKES
01	Distribution Transformer, Star Rating	ABB, Tesla Transformer, Voltamp, Schneider
02	Power Transformer	BHEL, Crompton Greaves, ABB, Schneider
03	Vacuum Circuit Breaker, SF-6/Gas filled Circuit Breaker	ABB, Schneider, Siemens, crompton
04	ACB	ABB, Schneider, Siemens
05	PSS/CSS with HT/LT Switch Gear, Transformer and connected accessories	ABB, Schneider, Siemens, L&T
06	MCCB, MCB, ELCB, RCCB, DB, ICTPN, TP, HRC Fuse, Change over Switch, Switch Fuse Unit	ABB, Schneider, Siemens, L&T
07	XLPE Cable 11/33kV grade	CCI, Gloster, Finolex, Ravin cable
08	PVC/XLPE Power Cables up to 1.1kV grade	CCI, Gloster, Universal, Ravin cable
09	Instrument Voltmeter, Ammeter, PF meter	Schneider, Automatic Electric, Siemens, HPL
10	33/11kV Cable End Termination & Jointing Kits	Raychem, 3M, Mahendra
11	Relays	Siemens, Schneider, C&S
12	Lighting Fixtures	Phillips, Schreder, Crompton Greaves, Wipro CleanRay, GE
13	PVC insulated Elect. Wires Sheathed/unsheathed, PVC flexible LT cable, multicore, single core, Flat cable for submersible pumps	Finolex, RR cable, HPL
14	Current Transformer	Schneider, Automatic Electric, Siemens, HPL
15	On line UPS, Servo Stabilizer, Inverter, CVT	APC, TATA Libert
16	Rotary Switches, Selector Switches	Kaycee, Siemens, Schneider
17	Exhaust fan/ Air Circulator/ Bracket & Pedestal fans/ Ceiling fan	Crompton Greaves, Polar
18	Electronic Energy Meter	Secure, ABB, Schneider
19	Capacitors- PF correction for Electrical General Services	BHEL, ABB, Schneider, EPCOS
20	DG Sets - Portable	Birla Yamaha, CGL, Shriram Honda,
21	DG Engine	Cummins, Kirloskar, Caterpillar, Ashok Leyland, Penta-Volvo
22	Alternator for DG set	KEC, CGL, Stamford, Leroy-Somer, Kirloskar-Green

23	LT Switchgear & control gears- Contactors & motor starters, Energy Efficient Soft Starter panel/ Earthing Switch, Single phase preventer	ABB, Siemens, Schneider, C&S	
24	Timers - Electronic Solid State	ABB, Siemens, Schneider	
25	Water Coolers	Blue Star, Fedders, Kelvinator, Voltas	Shriram, Sidwal,
26	Electrical Accessories (Piano Switch, Plugs & Sockets, Ceiling Rose, Angle Holder, Holders)	Legrand, Schneider, Havells	
27	Bell Buzzer	Schneider	
28	Electronic Fan Regulator	Crompton Greaves	
29	GI/MS Pipe	TATA, Jindal, TT Swastik, Prakash Surya	
30	Geysers	Crompton Greaves, Recold	
31	Lifts & Escalators	OTIS, ThyssenKrupp, Shindler, KONE, Mitsubhisi.	
32	Solar Water Heaters	As per MNES approved sources.	
33	Solar Distilled Water Plants	Makes can be approved on the recommendation of divisions.	
34	Battery Charger for battery room	Amar Raja, Exide, RS Power	
35	PVC Conduit pipe & Casing capping for electrical wiring	A.K.G., Polycab, BEC	
36	Aluminum Ladders	Sumer, Beatfire	
37	LT Panels	From CPRI tested firms.	
38	Air Curtain	Aircon, ALMONARD, CGL	
39	Early Streamer Emission Lightning Conductor Air Terminal (ESELIC)	Ingesco (Spain)	
40	33 KV Air break switch	Atlas (Bomay)	
41	33 KV LA	Elpro, CGL	
42	33 KV Drop out fuse	Atlas (Bomay)	
43	Control and Relay Panel	ABB, AREVA, Schneider, Siemens	
44	Batteries	Exide, ULBo, Amar Raja, HBL Nife	
45	Battery Charger	Chhabi, HBL, Caldine, Masstech, DUBAS, Statcon	
46	Fire Protection System	Vijay, Unitech, Technofab, Mather & Platt, Steelage.	
47	Wires - Copper Type	Finolex, RR	
48	Telephone Wire	Finolex, Indoplast, RR, Delton	
49	Telephone Cable	Finolex, Delton, Nicco, Indoplast, RR	

50	Wall Brackets, Ceiling Light, Bollard	Philips, Wipro, Schredder
51	Coaxial TV Cable	Finolex, Havells, American North Star, RR
52	Octagonal Pole	Philips, Wipro, Schredder
53	Pump	KSB, Kirloskar, Grundfos
54	Advance Lightening System	Indelec, LPI, Ingesco

NOTE:-

This is a general indicative list of the material for the brand and make of the material to be used by the contractor. The specification mentioned in the Schedule of Quantities shall take precedence. However the contractor shall take approval of Architect and EIC regarding the make and type of each material before execution. The Architect and EIC decision regarding the use of material mentioned above or mentioned in Schedule of Quantities or equivalent will be final and binding on the contractor. In case contractor wishes an alternative other than suggested by Architect, equivalent to those listed above or mentioned in Schedule of Quantities for economy and better quality, the name shall be submitted to Architect and EIC giving detailed specification, catalogue, price list along with the samples for approval from the Architect. All the necessary test shall be carried out at no extra cost and report be submitted to EIC and Architect. The Architect and EIC reserve the right to permit or not permit the contractor for use of other alternate without any reasons and contractor is bound to follow the decision of the EIC and Architect in this regard.

Approved Material List of Fire Fighting & Fire Alarm System

A. Approved Manufacturer List of Equipment for Mechanical Work		
1.	FIRE PUMPS ELECTRICAL DRIVEN	: KIRLOSKAR BROS. LTD / MATHER & PLATT
	FIRE PUMPS DIESEL DRIVEN	: KIRLOSKAR BROS. LTD / CROMPTON GREAVES
2.	M.S.ERW PIPES	: JINDAL (HISSAR) / TATA / SURYA ROSHINI / ZENITH/METAL MAN
3.	PIPE FITTINGS	: Approved quality and make
4.	BUTTERFLY VALES	: AUDCO / KOR VALVE/ZOLOTO
5.	NON – RETURN VALVES	: AUDCO / KOR VALVE/ZOLOTO / HAWA
6.	C.I. GATE/SLUIICE VALVES	: AUDCO / KOR VALVE/ZOLOTO
7.	BALL VALES (Screwed end)	: AUDCO / KOR VALVE/ZOLOTO
8.	STRAINERS	: AUDCO / KOR VALVE/ZOLOTO
9.	FOOT VALVES	: AUDCO / KOR VALVE/ZOLOTO/NORMEX/ EQUIVALENT
10.	PRESSURE SWITCH	: INDFOS / DANFOS/ DELTA CONTROL
11.	PRESSURE GAUGE	: H. GURU/ PRICOL/ FIEBIG
12.	ANTICORROSIVE MATERIAL	: I W L / PYPTOK/TIKKI
13.	HYDRANT VALVES	: NEWAGE / WINCO/OMAX/SUPERMAX
14.	BRANCH PIPE WITH NOZZLE	: NEWAGE / WINCO/OMAX/SUPERMAX
15.	FIRE HOSES	: NEWAGE / MEGMEX/OMAX
16.	HOSE COUPLINGS	: NEWAGE / WINCO/OMAX/SUPERMAX
17.	HOSE REEL	: EVERS SAFE //EQUIVALENT FIRECON/WINCO
18.	HOSE BOX / FIRE DUCT SHUTTER	: Approved quality and make
19.	FIRE EXTINGUISHERS	: SAFEX / SAFETEC / KANEX/TERMINATOR
20.	SPRINKLERS	: HD / TYCO / VIKING
21.	SPRINKLER ALARM VALVE	: HD / TYCO / VIKING
22.	DELUGE VALVE	: HD / TYCO / VIKING
23.	FLOW SWITCH	: SYSTEM SENSOR/EQUIVENT

24.	PAINT	:	ASIAN/BURGER
28.	G M Valves	:	AUDCO / KOR VALVE/ZOLOTO
29.	WELDING ELECTRODES	:	ESAB 28/ ADVANI/ADOR/MANGLAM
30.	ANTI VIBRATING PADS	:	DUNLOP/Approved quality and make.
31.	2/4-WAY FIRE BREACHING CONNECTION & COUPLING	:	NEWAGE/WINCO/OMAX OR ANY OTHER Approved quality and make
32.	STELL CONDUIT	:	BEC/ OTHER Approved quality and make

B. APPROVED MAKES FOR ELECTRICAL WORKS

1.	ELECTRIC MOTORS	KIRLOSKAR ELECTRIC / CROMPTON GREAVES
2.	BATTERY	EXIDE / STANDARD / AMAR RAJA/ MINIMAX
3.	MOTOR CONTROL CENTRE/PANEL	Approved quality and make/TAC APPROVED & IS STANDARD
4.	PVC SHIELDED ARMOUED/FLEXIBLE CONTROL / POWER CABLES	POLYCAB/HAVELL'S/ FINOLEX
5.	MCCB	L&T/SIEMENS/SCHNEIDER / ABB
6.	CONTROL MCB	L&T/SIEMENS/SCHNEIDER / ABB
7.	VOLT METER SELECT SWITCH	L & T / KAYCEE/ SIEMENS
8.	VOLTMETER (AC / DC)	TAC APPROVED
9.	AMMETER (AC / DC)	TAC APPROVED
10.	POWER CONTACTORS	L&T/SIEMENS/SCHNEIDER
11. OVER LOAD RELAY : L & T / SIEMENS		
12. MAIN SUPPLY SELECTOR – DPMCB : L & T / SIEMENS		
13. SMOKE DETECTOR/HEAT DETECTOR : SYSTEM SENSOR/APOLLO		
14. MAIN FIRE ALARM CONTROL PANEL : AGNI SURKSHA/HONEYWELL/RAVEL		

15. MANUAL CALL POINT : AGNI SURKSHA/SYSTEM SENSOR
16. ELECTRONIC SOUNDER/HOOTER : AGNI SURKSHA/SYSTEM SENSOR
17. RESPONSE INDICATOR : AGNI SURKSHA/SYSTEM SENSOR

All the materials shall be ISI marked wherever available from the list of manufacturer given above, wherever the ISI marked materials are not available, the materials shall be from the best quality available in the market, subject to submission of satisfactory test report with prior approval from the EIC / Architect.

SECTION 4 BILL OF QUANTITIES (BOQ)

General Description of Work:

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Probable Amount of Contract:

(Rs. In Figure) ----- (Rs. In
Words) -----

S. No.	Particulars of Item of Work	Quantity	Unit	Rate	Amount (in figure)
I	II	III	IV	V	VI
01.					
02.					
03.					
04.					
05.					
06.					
07.					
08.					
09.					
10.					
11.					
12.					
13.					
14.					
15.					
Total Amount (Rs. In Figure)					

Total Amount (Rs. In Words) _____

Note: Unit rates shall be all inclusive as per terms & conditions of the tender document.

Commissioner / Chief Municipal officer
Municipal Corporation, /
Municipal Council /
Nagar Parishad

SECTION 5 AGREEMENT FORM
AGREEMENT

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 WITNESSED as follows:

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

In witnessed 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 _____