

JABALPUR SMART CITY LIMITED (JSCL)
MADHYA PRADESH

TENDER DOCUMENT

Office of the : Chief Executive Officer,
: Jabalpur Smart City Limited

NIT Number and Date : JSCL/2018/87/ADM/85

Date of NIT : 25/01/2018

Agreement Number and :
Date :

Name of Work : Development of Recreational Zone at Sangram
Sagar Lake, Jabalpur (M.P.)

Name of the Contractor :

Probable In Fig : *Rs. 40,000,000/-*
Amount of In words

Contract : *Rupees four crores only*
Contract In Fig :
Amount In words :

Stipulated Period of : *6 Months (including rainy season)*
Completion

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Scanned copy of NIT Published (as applicable)

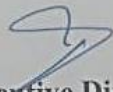


Jabalpur Smart City Limited
CIN-U75100MP2016SGC035536


JSC/2018/ 87/ADM/85 Date 25/01/2018

Notice Inviting Tender

Jabalpur Smart City Limited invites online RFP for "Development (Civil Work) of Recreational Zone at Sangram Sagar, Bajnamath Jabalpur". Interested bidders may obtain details RFP document from www.mpeproc.gov.in, & www.jscljabalpur.org.
Contact: - 7611136807, 7611136815, 7611136800


Executive Director
Jabalpur Smart City Limited

दस्तावेज प्रतिया



Jabalpur Smart City Limited
CIN-U75100MP2016SGC035536 Date: 25.01.2018

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Executive Director
Jabalpur Smart City Limited

SECTION 1
Notice Inviting e-Tenders
Jabalpur Smart City Limited

N.I.T.NO. JSCL/2018/87/ADM/85

Dated. 25/01/2018

Online percentage rate bids for the following works are invited from registered contractors and firms of repute fulfilling registration criteria:

S.No.	Work	District(s)	Probable Amount (Rs. In lacs)	Completion Period (months)
1	<i>Development of Recreational Zone at Sangram Sagar Lake, Jabalpur (M.P.).</i>	<i>Jabalpur</i>	<i>400 Lacs</i>	<i>6 Months (including rainy season)</i>

1. Interested bidders can view the NIT on website <http://www.mpeproc.gov.in>
2. The Bid Document can be purchased only online from *25/01/2018 to 26/02/2018 1730 Hrs.*
3. The pre-bid meeting is scheduled on 4:30 PM 15/02/18 at JSCL *Office Manas Bhawan, Jabalpur*
4. Amendments to NIT, if any, would be published on website only, and not in Newspaper.

Chief Executive Officer
Jabalpur Smart City Limited

Notice Inviting Tender
Jabalpur Smart City Limited

Office of the Chief Executive Officer, Jabalpur Smart City Limited (JSCL)

N.I.T.NO. JSCL/2018/87/ADM/85

Dated. 25/01/2018

Online percentage rate bids for the following works are invited from registered contractors and firms of repute fulfilling registration criteria:

S. No.	Name of Work	District	Probable Amount of Contract (Rs. In lakh)	Earnest Money Deposit (EMD) (in Rupees)	Cost of Bid Document (in Rupees)	Category of Contractor	Period of completion (in Months)
1	Development of Recreational Zone at Sangram Sagar Lake, Jabalpur (M.P.).	Jabalpur	400 Lakhs	4,00,000/-	15000/-	Appropriate class	6 Months (including rainy season)

1. All details relating to the Bid Document(s) can be viewed and downloaded free of cost on the website.
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:

5. 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 eligible for registration can also submit their bids after having applied for registration with appropriate authority. The bidder would be required to have valid registration at the time of signing of the Contract.
6. Failure to sign the contract by the selected bidder, for whatsoever reason, shall result in forfeiture of the earnest money deposit.
7. **Pre-qualification** – Prequalification conditions, wherever applicable, are given in the Bid Data Sheet.
8. **Special Eligibility**- Special Eligibility Conditions, if any, are given in the Bid data sheet.
9. The Bid Document can be purchased only online 25/01/2018 to 26/02/2018 **17:30 PM** . Other key dates may be seen in bid data sheet.
10. The pre-bid meeting is scheduled on 4:30 PM 15/02/2018 at JSCL *Office Manas Bhawan, Jabalpur*
11. **Schedule of Rates (SOR) applied is UADD Schedule of Rates 2012 Volume I, II, & III and/or other applicable SOR as the case may be and as amended upto the date for close of bidding or any extension thereof.** .
12. Amendments to NIT, if any, would be published on website only, and not in newspaper.

Chief Executive Officer
Jabalpur Smart City Limited

SECTION 2 INSTRUCTIONS TO BIDDERS (ITB)

A. GENERAL

1. Scope of Bid

The detailed description of work, hereinafter referred as 'work', is given in the Bid Data Sheet and as mentioned in this tender document and as amended as per terms and conditions of the contract including tender document.

Project Background

Jabalpur Smart City limited intends to Develop Recreational Zone At Sangram Sagar which will add aesthetic and socio cultural value to the existing Sangram Sagar lake as well as it will provide gateway to the nature trail of adjacent forest area. The significant function of this proposed recreational zone is to provide an experiential outdoor activity to city dwellers. The recreational zone includes open air and enclosed restaurants, open areas for socio cultural activities, staff quarters, retaining wall, roads, pathways, horse riding track, check/stop dam, soft landscape, mounds, native planting, lawn etc.

1.01 Scope of Work:

General layout of the Civil and Landscape works to be implemented are part of this contract. The Contractor shall interpret these specifications as minimum requirement and shall prepare co-ordinated drawings to meet the functional, aesthetic, utility, interfacing and performance requirement of the Works.

The scope of work for Development of Sangram Sagar Recreational Zone shall include-

- Civil Works including structural works, finishing works, common area interior works and site development works
- PHE(Public Health Engineering)
- Electrical & HVAC (Ventilation and Air-conditioning) works

Involving various building structures and built-up areas as required and indicated for development of Sangram Sagar Recreational Zone for JSCL and all other structures shown in the drawings and as per direction of Engineer in Charge. The work for all the various trades as given in this tender shall be executed in accordance with the necessary provisions and applicable specifications. Details of the required action are given elsewhere in this tender and in the BOQ.

The above scope of work will include following work components as per tender specifications and drawings-

1.02 CIVIL WORKS

- Site Clearance and preparation for carrying out project activities.
- Establishment of Site Levels through proper survey of the site.
- Site investigation Supplementary site investigation will be carried out by the contractor to ensure proper levels as required by construction documents and also confirming to the requirements of JSCL.
- Earthwork including excavation and levelling

Development of Recreational Zone at Sangram Sagar Lake, Jabalpur (M.P.)

- Casting of R.C.C. foundations and R.C.C. Retaining walls for basement areas
- R.C.C work in Framed Structure including necessary formwork and scaffolding
- RCC waterproofing for Roof /Retaining wall and water tanks.
- Construction of Underground and overhead RCC water tanks
- Construction of Special Architectural Design elements in RCC as and where specified.
- Construction of Structural steel work (Space Frame and Lattice Structure) at roof level over the building periphery and other areas where indicated and as specified
- Internal and external plaster work
- Structural Glazing.
- Aluminium windows and joinery including all necessary hardware
- MS pressed sheet frames
- Provision and installation Stainless steel railing work
- Flooring work using Natural stone (Granite, Kota stone, Vitrified tiles/Ceramic tiles)
- Dado work in toilets/pantry area using Ceramic tiles
- Panelling work on walls.
- Wall finishing using Putty, Acrylic emulsion and Textured paint finishes

1.03 SITE DEVELOPMENT

- Cutting, filling and levelling of the site as per the site layout and achieving the desired site levels.
- Preparation and laying of Road work in Bitumen and Concrete as per the specification laid down in the detailed site drawings.
- Road side kerbstone, appropriate road markings and signage

1.03.1 PLUMBING & SANITARY WORKS

- Plumbing and Sanitation works including external site work and connections:
- Accessories required for installation and proper functioning of the supplied equipment.
- Laying of Internal Soil, Waste, Rain Water & Water Supply Lines as per the approved makes & specifications of quality.
- Laying of External Storm Water pipes, Water supply lines, Sewerage pipes as per the detailed external plumbing drawings, to the final tap-off point and making functional the connections to the external utilities.
- Installation of Pumps in the Underground Water Tank complete as required starting from suction line from underground tank to Overhead Water Tank/ distribution Ring Main Ball Valves, N.R.V, Elect-Panel & Wiring for Motor Necessary Foundation work for Pumps, Supports for Piping Bends, Tee's Dead ends, Valves, etc. as required.

Supports for vertical risers/vertical pipes. Painting etc. as required.

Pump & equipment, accessories and fitting as required.

Installation, testing and commissioning of the entire Plumbing installations to the satisfaction of engineer in charge.

1.03.2 ELECTRICAL WORKS:

The work to be carried out under this contract comprises of internal and external electrical Installation of the project as called in the tender documents. The Electrical Contractor shall include for the supply of the whole of the materials in accordance with the Specifications and the whole of the work of fixing necessary for the complete installation as set out in these Specifications and with the accompanying schedule and drawings, commencing from the supply authority's terminals. This also include any material, appliances, equipment not specifically mentioned herein or noted on the drawings as being furnished or installed but which are necessary and customary to make the installation complete in all respects. In general, the work to be performed under this contract shall comprise supply, installation, testing & commissioning of the following-

- All conduit work including junction boxes, outlet boxes, wiring & earthing for lighting & power.
- All conduit work including junction boxes, outlet boxes & wiring for ELV systems such as voice, data, fire alarm, CCTV, Access control.
- Switches, plug sockets, cover plates and wiring accessories.
- Emergency lighting, wiring, Inverter/UPS.
- DG Sets Installation and commissioning.
- Earthing System comprising of Earth pits & earth strip for earthing the body of the equipment.
- Substation, HT Switchgear and HT Cabling.
- Mains and sub-mains between various distribution boards, cables, sub main wiring, cable trays, Rising Mains & Bus Ducts.
- Distribution Boards, Panels, meter boards & final DB's.
- Lighting Fixtures and Fans.
- Lightning Protection System.
- External lighting, cabling, lighting fixtures and poles.
- Training of owner's staff/representative.
- Preparation of "As Built Drawings & Documents".

1.03.3 LANDSCAPE WORK

The scope of work for Landscape and Associated Works consists of the following, the details of which shall be read in conjunction with the drawings and specifications provided with this contract:

- i. Procurement and supply of plants, grass as per list and specifications attached, including delivery to on-site nursery and/or worksite
- ii. Procurement and supply of good earth, sludge, manure, etc as per specification or as directed by site supervisor/landscape architect.
- iii. Setting up of On-site Nursery (approx. 1 acre) including all associated works of levelling, site clearing, construction and maintenance of nursery plots. Making good and handing over of the On-site nursery to the Client after completion of the maintenance period.
- iv. Excavation and backfilling of planting pits/ beds for trees, palms, shrubs, ground covers, accents, landscape sites and turf.
- v. All clearance works, which include removal of debris, contaminated soil and disposal of waste material outside the Site.

- vi. Planting and all other associated works as per technical specifications including preparation of planting locations and preparing 'saucers' for watering, adding soil after settlement, etc.
- vii. All staking, guying, wrapping, tying and any other required techniques of trees and palms as per attached specifications or as required at the time of implementation.
- viii. Installing of temporary barricading for protection of landscape sites during and after implementation.
- ix. Watering all plants and landscape sites with their own water tankers to ensure that all plants have optimum water during and after implementation.
- x. Maintenance of Plants and associated works during the period of execution and performance of works upto the issuance of the Completion Certificate and for 12 months after the issuance of Completion Certificate, including, but not limited to, watering, manuring, pest control, cutting, trimming, pruning and replacing dead and dying plants.
- xi. Please note that the Contractor shall make his own arrangement for provision of water/ electricity for the execution of Works.
- xii. All hard landscape works including, toe walls, edging etc. shall be the executed by the contractor.
- xiii. The contractor must be aware of general and specific site conditions, topography and any existing landscape prior to commencement of any landscape works on site.

2. 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.

3. PROCEDURE FOR PARTICIPATION IN E- TENDERING:

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

4. ONE BID PER BIDDER

- 4.1. 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.
- 4.2. 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

5. 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 JSCL.

6. 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

7. CONTENT OF BID DOCUMENTS:

The Bid Document comprises following documents:

1. NIT with all amendments.
2. Instructions to Bidders, Bid Data Sheet with all Annexure
3. Conditions of Contract:
 - I. Part I General Conditions of contract and the Contract Data with all Annexure, and
 - II. Part II Special Condition of Contract.
4. Specifications
5. Drawings
6. Priced bill of quantities
7. Technical and Financial bid
8. Letter of Acceptance
9. Agreement, and
10. Any other document(s), as specified

8. EXAMINE

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. The Employer will not be responsible or in any way liable for such costs or any liability whatsoever, regardless of the conduct or outcome of the bidding.

9. PRE-BID MEETING (WHERE APPLICABLE)

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

- 9.1. 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.
- 9.2. 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. No interpretation, revision, or other communication from the Employer regarding this solicitation is valid unless in writing. The Employer may choose to send to all bidders whose bids are under consideration, in writing or by any standard electronic means such as email or by uploading on website(s) of responses, including a description of the enquiry but without identifying its source to all the bidders.
- 9.3. 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.

9.4. Pursuant to the pre-bid meeting and further to other terms and conditions of this tender document, if the employer deems it necessary to amend the bid Documents, it shall be done by issuing amendment to the online NIT.

10. AMENDMENT OF BID DOCUMENTS:

10.1. Before the deadline for submission of bids, the Employer may amend or modify the bid document by publication of the same on the website. The Employer may, also on its own or in response to clarifications/submissions/suggestions, if necessary, issue interpretations and clarifications and/ or addendum/corrigendum to all bidders. All such clarifications and interpretations, addendum/clarifications issued in writing by the Employer shall be deemed part of the bid documents. Verbal clarifications and information given by the Employer or their employees, advisors or representatives shall not in any way or manner be binding on the Employer.

10.2. All amendments shall form part of the Bid Document.

10.3. The Employer may, at its discretion, extend the last date for submission of bids by publication of the same on the website.

10.4. In case in the opinion of a bidder there is any inconsistency or discrepancy in provisions / specifications / requirements between any parts / sections of the bid document, the bidder shall bring the same to the attention of bidder before or during the Pre-bid meeting or afterwards but before submission of its bid. The decision of Employer in this regard shall be final and binding.

C. PREPARATION OF BID

11. BID PREPARATION

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.

12. 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 Envelop A and would apply for all bids. Online envelop 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 the 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 work 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 fulfilment of pre-qualification conditions.

Part 3- This shall be known as online Envelope C and would apply to all bids. Envelop C shall contain financial offer in the prescribed format enclosed with the Bid Data Sheet and shall only be submitted online.

13. 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 or Hindi. 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.

14. TECHNICAL PROPOSAL:

- 14.1. 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.
- 14.2. 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 is 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.

15. FINANCIAL BID:

- 15.1. The bidder shall have to quote rates in format referred in Bid Data Sheet, in overall percentage, and not item wise, if the bid is in absolute amount, overall percentage would be arrived at in relation to the probable amount of contract given in NIT. The overall percentage rate would apply for all items of work based on applicable schedule of rates of MP UADD/MP PWD/CPWD etc. as applicable to this tender as on the date of close for bidding or any extension thereof.
- 15.2. 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.
- 15.3. The bidder shall have to quote rates inclusive of all applicable duties, taxes, royalties and other levies except Goods & Services Tax (GST). The amount of applicable GST will be paid separately to the contractor with each bill at the time of payment. The Employer shall not be liable for any duties, taxes (Except GST) royalties and levies.
- 15.4. 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.
- 15.5. The amount stated in the Financial Bid will be corrected by the Employer in accordance with the above requirements for the correction of errors and shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected amount, the Bid will be rejected, and the Bid Security shall be forfeited in accordance with in terms of this bid document.
- 15.6. Currencies of Bid and Payment - The unit rates given in the BOQ is in Indian Rupees. All payments shall be made in Indian Rupees.

15.7. Schedule of Rates (SOR) applied is UADD Schedule of Rates 2012 Volume I, II, & III and/or other applicable SOR of MPPWD, CPWD etc. as the case may be and as amended upto the date for close of bidding or any extension thereof.

16. 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. A bidder may refuse the request without forfeiting his bid security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of his bid security for a period of the extension, and in compliance with Clause 17 in all respects.

17. EARNEST MONEY DEPOSIT (EMD)

17.1. The Bidder shall furnish, as part of the Bid, Earnest Money Deposit (EMD), in the amount specified in the Bid Data Sheet.

17.2. The EMD shall be in the form of Fixed Deposit Receipt of a scheduled Nationalised/commercial bank, issued in favour 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 as mentioned in the Bid Data Sheet. However, form(s) of EMD may be allowed by the employer by mentioning it in the Bid Data Sheet.

17.3. Bid not accompanied by EMD shall be liable for rejection as non-responsive.

17.4. EMD of bidders whose bids are not accepted will be returned within ten working days of the decision on the bid.

17.5. EMD of the successful Bidder will be discharged when the Bidder has signed the Agreement after furnishing the required Performance security.

17.6. Failure to sign the contract by the selected bidder, within the specified period, for whatsoever reason, shall result in forfeiture of the earnest money.

D. SUBMISSION OF BID

18. BID SUBMISSION

18.1. The bidder is required to submit online bid duly signed digitally, and *Envelope “A” and Envelope” B”* in physical form also at the place prescribed in the Bid Data Sheet.

18.2. The bidder shall submit all its documents in such a manner that it is legible and unambiguous in accordance with terms and conditions of this bid document. The decision of JSCL shall be final in this regard.

18.3. It shall be deemed that by submitting the bid, the Bidder agrees and releases Employer, their employees, agents and advisers, irrevocably, unconditionally, fully and finally from any and all liability for claims, losses, damages, costs, expenses or liabilities in any way related to or arising from the exercise of any rights and/or performance of any obligations hereunder, pursuant hereto and/or in connection herewith and waives any and all rights and/or claims it may have in this respect, whether actual or contingent, whether present or future.

18.4. The bidding process shall be governed by, and construed in accordance with, the laws of India and the Courts at Jabalpur alone shall have jurisdiction over all disputes arising under, pursuant to and/ or in connection with the bidding process.

- 18.5. Bidders shall, as part of their bids provide updates, in respect of any information submitted with their response to the bid document, which has till the date of submission of their response to this bid document changed or altered or modified, and shall continue to meet the qualification criteria set out in the bid document.
- 18.6. Notwithstanding anything stated elsewhere in these documents, the Employer reserves the right to seek updated information from the bidders to ensure their continued eligibility. Bidders shall provide evidence of their continued eligibility in a manner that is satisfactory to the Employer. A Bidder may be disqualified if it is determined by Employer, at any stage of the bidding process, that the bidder will be unable to fulfil the requirements of the project or the bidder fails to continue to satisfy the eligibility criteria. Supplementary information or documentation may be sought from bidders at any time and must be provided within a reasonable timeframe as stipulated by JSCL.

E. OPENING AND EVALUATION OF BID

19. PROCEDURE:

- 19.1. Envelope "A" (except of bids received late) shall be opened first online at the time and date notified and its contents shall be checked. In cases where Envelope "A" does not contain all requisite documents, such bid shall be treated as non-responsive, and Envelope B and / or C of such bid may not be opened. The Employer reserves the right to reject the bid of a Bidder without opening the Envelope B and / or C if the contents of Envelope A are not substantially responsive with the requirements of this bid document.
- 19.2. Wherever Envelope '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 Envelope 'B' Envelope 'C' (financial bid) of bidders who are not qualified in Technical Bid (Envelop 'B') shall not be opened.
- 19.3. Envelope 'C' (Financial Bid) shall be opened online at the time and date notified. The bidder shall have freedom to witness opening of the Envelope 'C'
- 19.4. After opening Envelope 'C' all responsive bids shall be compared to determine the lowest evaluated bid.
- 19.5. 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.
- 19.6. The employer reserves the right of accepting the bid for the whole work or for a distinct part of it.
- 19.7. To assist in the process of evaluation of bids, Employer may, at its sole discretion, ask any bidder for any clarification with respect to its bid. The request for clarification and the response shall be communicated by Letter/ Fax/ Email. The bidder in such cases would need to provide the requested clarification / documents promptly and within such timeframe as specified by Employer. No change in the substance of the bid would be permitted by way of such clarifications.
- 19.8. The Employer reserves the right to verify all statements, information and documents submitted by the Bidder in response to the bid document. Failure of Employer to undertake such verification shall not relieve the Bidder of its obligations or liabilities

hereunder to submit true and correct information; nor will it affect any rights of Employer.

- 19.9. The Employer, in its sole discretion and without incurring any obligation or liability, reserve the right to:
- (a) suspend and/or cancel the bidding process and/or amend and/or supplement the bidding process or modify the dates or other terms and conditions relating thereto;
 - (b) to consult with any Bidder in order to receive clarification or further information;
 - (c) retain any information and/or evidence submitted to the Employer by, on behalf of, and/ or in relation to any Bidder; and
 - (d) independently verify, disqualify, reject and/ or accept any and all submissions or other information and/or evidence submitted by or on behalf of any bidder.
 - (e) During the detailed evaluation of "Technical Bid", the Employer will determine whether each Bid:
 - (i) meets the eligibility criteria defined,
 - (ii) the required documents in physical form submitted by the bidder as well as the documents uploaded by the bidder are in order; and
 - (iii) is substantially responsive to the requirements of the bidding documents.During the detailed evaluation of the "Financial Bid", the responsiveness of the bids will be further determined with respect to the remaining bid conditions, i.e., priced bill of quantities, technical specifications and drawings etc.

20. CONFIDENTIALITY:

- 20.1. 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.
- 20.2. 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.
- 20.3. The bid document including this bid and all attached documents are and shall remain the property of the Employer and transmitted to the bidders solely for the purpose of preparation and the submission of their respective bids in accordance herewith. Bidders are to treat all information as strictly confidential and shall not use it for any purpose other than for preparation and submission of their bids. The Employer will not return any bid or any information provided along therewith.

F. AWARD OF CONTRACT

21. AWARD OF CONTRACT:

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

22. PERFORMANCE SECURITY

- 22.1. 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.
- 22.2. 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.

23. SIGNING OF CONTRACT AGREEMENT:

- 23.1. 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.
- 23.2. 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.
- 23.3. 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.
- 23.4. Notwithstanding anything to the contrary contained in this bid document, the detailed terms specified in the contract agreement shall have overriding effect; provided, however, that any conditions or obligations imposed on the bidder hereunder shall continue to have effect in addition to its obligations under the contract agreement.

24. 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.

- i. 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
- ii. 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 fanatical 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.

25. DISQUALIFICATION

- 25.1. Even if the bidder meets the guidelines as set forth in this bid document, Employer, at its discretion, may disqualify any Bidder if:
 - (a) the Bidder (or any of the partners in case of a JV) has been barred or blacklisted by the Employer/ any other entity of Government of Madhya Pradesh or any other state

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- government or central government / department / funding agency in India, if such bar subsists as on the date for close for bidding. The Bidder (all partners in case of a JV) shall be required to furnish an affidavit as per format provided in Appendix 1; or
- (b) the Bidder has made misleading or false representation in the forms, statements and attachments submitted; or
 - (c) the bidder has a record of poor performance during the last five (5) years such as consistent history of litigation / arbitration award against the bidder / any of its constituents or financial failure due to bankruptcy, etc.

(END OF ITB)

BID DATA SHEET

GENERAL		
SR.NO.	PARTICULARS	DATA
1	Office inviting tender	<i>JABALPUR SMART CITY LIMITED</i>
2	NIT No.	<i>JSCL/2018/87/ADM/85</i>
3	Date of NIT	<i>25/01/2018</i>
4	Bid document download available from date & time	<i>25/01/2018</i>
5	Website link	www.mpeproc.gov.in
SECTION 1 – NIT		
CLAUSE REFERENCE	PARTICULARS	DATA
1.	Portal fees	<i>As notified in e-tendering website</i>
	Cost of bid document	
	Cost of bid document payable at	<i>As notified in e-tendering website</i>
	Cost of bid document in favour of	<i>As notified in e-tendering website</i>
2.	Affidavit format	<i>As per ANNEXURE B</i>
	Pre-Qualifications required	Yes -
	If yes, details	<i>As per ANNEXURE C</i>
3.	Special Eligibility	Yes
4.	If Yes, details	<i>As per ANNEXURE D</i>
5.	Key dates	<i>As per ANNEXURE A</i>
SECTION 2 – IT B		
CLAUSE REFERENCE	PARTICULARS	DATA
1.	Name of 'work'	<i>Development of Recreational Zone at Sangram Sagar Lake, Jabalpur (M.P.).</i>
2.	Specifications	<i>As per ANNEXURE –E</i>
3.	Procedure for participation in e-tendering	<i>As per ANNEXURE –F</i>
4.	Whether joint venture is allowed	Yes
	If yes, requirement for joint venture	<i>As per ANNEXURE – G</i>
5.	Pre-bid meeting to be held	Yes
	If Yes, Date, Time & Place	<i>15/02/18 4.30Pm at Office of the JSCL, Manas Bhawan, Wright Town, Jabalpur</i>

BID DATA SHEET

CLAUSE REFERENCE	PARTICULARS	DATA
6.	Envelopment 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	<i>At the Office of the Jabalpur Smart City Limited, Manas Bhavan, Jabalpur</i> <i>Rs. 15000/-</i> <i>Rs 4,00,000/-</i> <i>Before</i>
7.	Envelope-B Technical Proposal	<i>ANNEXURE – I and ANNEXURE –I (Format I-1 to I-4)</i>
8.	Envelope-C Financial Bid	<i>Annexure – J (SHOULD BE SUBMITTED ONLINE)</i>
9.	Materials to be issued by the department	<i>ANNEXURE – K</i>
10.	Period of Validity of Bid	<i>120 Days</i>
11.	Earnest Money Deposit	<i>Rs. 4,00,000/-</i>
	Forms of Earnest Money deposit	<i>i. FDR/e-FDR</i>
	EMD valid for a period of	<i>365 Days from last date of bid submission</i>
	FDR must be drawn in favour of	<i>Executive Director, JSCL</i>
12.	Letter of Acceptance (LoA)	<i>ANNEXURE L</i>
13.	Amount of Performance Security	<i>5% of contract amount</i>
	Additional Performance Security, if any	<i>As per rule</i>
	Performance security in the format	<i>ANNEXURE M</i>
	Performance security in favour of	<i>Executive Director, JSCL</i>
	Performance security valid up to	<i>Valid contract period plus 3 (Three) months</i>

Annexure – A
(See clause 1, 7 of Section 1-NIT)

KEY DATES

S. No	WORKS DEPARTMENT STAGE	BIDDERS STAGE	START		EXPIRY		ENVELOPES
			Date	Time	Date	Time	
1.		Purchase of Tender – Online	25/01/18		26/02/18	1730 hrs	
2.	Pre Bid	Pre bid meeting	15/02/18	4:30 PM			
3.		Bid Submission – Online	25/01/18		05/03/18	1730 hrs	
4.		Physical submission			08/03/18	1730 hrs	
5.	Mandatory submission Open-online (Envelope-A)				06/03/18		Envelope A
6.	Technical Proposal open-online (PQ Envelope-B)				06/03/18		Envelope B
7.	Financial Bid open-online (Envelope-C)				12/03/18		Envelope C

Original term deposit receipt of earnest money deposit 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.

In the event of the specified date for the submission / opening of bids being declared a holiday for the Employer, the Bids will be opened at the appointed time and location on the next working day.

Annexure – B
(See clause 3 of Section 1-NIT)

|| 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. relative of the undersigned and our firm/company is working in the department.

Or

Following 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 3 are correct to the best of my knowledge and belief.

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

Signature of authorized representative with seal of the Deponent (bidder)

Name of the Representative

Name of the Firm

Date

(Sec clause 5 of Section 1-NIT)

PRE- QUALIFICATIONS CRITERIA

The bidder should have:

A. Financial

- i. Experience of having successfully executed: -
 - a) *Three similar works*, each costing not less than the *amount equal to 20%* of the probable amount of contract during the *last 3 financial years*; or
 - b) *Two similar works*, each costing not less than the *amount equal to 30%* of the probable amount of contract during the *last 3 financial years*; or
 - c) *One similar work* of aggregate cost not less than the amount equal to *50% of the probable amount* of contract in any one financial year during *the last 3 financial years*;
- ii. *Average Annual Construction Turnover* on the construction works *shall not be less than 50%* of the probable amount of contract during *the last 3 financial years*.
- iii. Executed similar items of work in any one financial year during the last 3 financial years, which should not be less than the minimum, physical requirement, if any, fixed for the work.
- iv. *Bid Capacity* — Bidder shall be allotted work up to his available Bid Capacity, which shall be worked out as given in *Format 1-2 of Annexure I*. *Bid Capacity should be equal to or higher than the bid amount*.

B. Physical

Physical qualifications for the work shall be as below

S. No.	Particulars	Quantity	Period
	Physical qualification required	Yes	
1	Execution of Building projects	Minimum 1 projects of minimum 50 lacs value	In Last 3 Financial Years
2	Execution of Landscape projects	Minimum 1 projects of minimum 40 Lacs value	In Last 3 Financial Years

Annexure – D
(See clause 6 of Section 1-NIT)

SPECIAL ELIGIBILITY CRITERIA

Not Applicable

Annexure- E

(See clause 2 of Section 2 –ITB & clause 10 of GCC)

SPECIFICATIONS

For civil works following SPECIFICATIONS shall be referred;

1. MP UADD Specification
2. MP PWD Department Specifications,
3. CPWD Specifications

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.

For Landscape works following SPECIFICATIONS shall be referred

1. MP UADD Specification
2. MP PWD Department Specifications,
3. CPWD Specifications

Additional specifications for Landscape works are as follows:

PRODUCTS

A Materials (General)

(i) All materials used for the execution, completion and maintenance of all works covered under this Contract shall be of the best quality of their respective kind obtainable locally and shall comply with the standard of quality required by Engineer/Landscape Architect. All such materials shall be subject to the approval of Engineer/Landscape Architect. Any materials supplied based on approved sample thereof shall have the standard or quality of such sample or better throughout.

B Materials (Specifics)

Backfilling of Made Up Ground:

(i) Shall be suitable for the purpose including proper compaction and is subject to Engineer/Landscape Architect's approval.

Backfilling of Holes:

(i) Materials for backfilling of holes for trees, palms, shrubs and groundcover beds shall consist of approved quality top soil imported to the site thoroughly mixed, before placing, with compost and coco peat in the ratio as described below.

Top soil for Plant Beds and Turf Areas:

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(i) Top soil used for Plant beds and Turf areas shall be fertile natural red/ brown top soil imported to site, free from stones, roots, sticks, clay, woods and sod and be obtained from naturally well drained areas. Top soil shall neither be excessively acidic or alkaline and shall be free of any toxic matter liable to be harmful to plant growth. The topsoil composition should be mixed thoroughly according to the following listed items to prepare the planting media:

- (a) fine loamy topsoil
- (b) manure

The ratio of top soil to manure should be 2:1 for trees and palms and 8:1 for shrubs, ground cover, seasonal and lawns. Topsoil composition shall include 'Waterworks' polymer gel in the composition of 1 pound per cubic metre of topsoil.

Top soil, and manure shall be delivered to the site at approximately the same time sequence and be mixed on site immediately thereafter. It should not be left exposed for more than 48 hours, nor obstruct access to the site by others, or be exposed to inclement weather thereby creating problematic run-offs, silting drains, tracks, etc.

Top soil shall generally be reasonably loose in form containing not more than 10-15% of moisture content. Topsoil delivered in a wet and soggy condition will be rejected by Engineer/Landscape Architect.

Plants:

- (i) Trees, palms, shrubs and ground cover to be used under this Contract (herein after collectively referred to as "Plants") shall be of varieties, sizes and quantities shown in the drawings approved by Engineer/Landscape Architect (herein after referred to as "Contract Drawings").
- (ii) All Plants shall be of cultivated stock. The Contractor shall furnish all Plants shown on the Contract Drawings/Documents. No substitutions or omissions thereof will be permitted unless approved by the Engineer/Landscape Architect.
- (iii) All Plants shall be typical of their respective species or variety and shall have normal habit of growth. All Plants shall have been exposed to normal prevailing climatic conditions of Jabalpur
- (iv) The heights of the trees forming an integral part of the Contract Works (measured from the crown of the roots to the tips of the top branches) shall not be less than the minimum size designated on the Contract Drawings/Documents. The trunk of each tree shall be a single trunk growing from a single undamaged crown of roots. No part of such trunks shall be conspicuously crooked as compared with normal trees of the same variety. Such trunks shall be free from wounds, abrasions, or other damages from whatsoever cause. No pruning wounds having a diameter exceeding 2.5cm or showing vigorous bark on all edges shall be present on any trunk of such trees.
- (v) Shrubs used in the works shall meet the requirements for spread or height specified on the Contract Drawings. Measurement for height of shrubs shall be taken from the ground level to the average height of the shrub and not to the longest branch or stem.

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Single stemmed or thin plants will not be accepted. The side branches shall be generous, well twigged and any shrubs shall be well branched.

(vi) All Plants shall be in a moist, vigorous and healthy condition free from dead wood, bruises, other root or branch injuries, insects or diseases.

(vii) All Plants shall come with pots or plastic bags in which they were originally grown in the nursery. The only exception being for instant trees and large shrubs that have been specially transplanted.

(vii) The Contractor has to make offer for the off-site Inspection of plants/shrubs which he is intending to supply to the Project, before despatch of the same and get the approval by Engineer/ Landscape Architect.

Turf:

(i) Turfing shall be of healthy and vigorous stock and from approved sources.

(ii) All turf supplied **as tiles/ mats** shall be cut and lifted only immediately prior to delivery to site. Care should be taken to include as much of the root growth as possible. Delivery of turf to site shall be so scheduled so as to allow final placing within two (2) days of delivery to site.

(iii) Turf shall be visibly free from weeds and shall not contain stones, sticks or other undesirable materials.

(iii) All turf shall have thick grass-growth and be supplied and laid with full 5cm moist bedding top soil firmly adhered to the root mat.

Note: These specifications are valid for turf supplied **as tiles/ mats** such as **Bermuda** grass only. For other ground covers general specifications of good dibbling practices will hold good.

Site Clearance and Formation:

(i) Clear away all debris, shrubs and undesirable growths and remove from the site at the beginning, during and at the end of the Contract to the satisfaction of Engineer/Landscape Architect.

Conduct survey on existing site conditions to determine levels, and where required carry out earth cutting and filling, levelling and grading to required levels and profiles shown on drawings and remove surplus earth if any off site.

(iii) The stripping and replacement of the subsoil shall only be done in dry weather and ground conditions unless in exceptional circumstances and Engineer/Landscape Architect authorises otherwise. Subsoil in heaps or dumps shall be sited so as not to damage or impede watercourses or other drainage. Any weeds, which may grow on the heaps of subsoil, shall be sprayed with an approved selective weed-killer to prevent from seeding.

PLANTING WORKS

A Planting

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Planting shall include digging of planting holes, removal and carting away of excavated soil as directed, supplying, mixing and placing specified backfill materials, staking, supporting and watering of plants and all incidental works necessary for the satisfactory execution and completion of the Contract Works.

- (i) The type of soil to be excavated for pits will cover all soil types such as soft soil, hard murrum and soft rock as is incident on site.
- (ii) Position of individual Plants and outlines of all planting areas shall be staked and set out according to the Contract Drawings.
- (iii) Remove any rubbish or debris from the planting surfaces. Grades, which have been established, shall be maintained in a true and even condition. Maintenance shall include any necessary repairs to previous graded areas.
- (iv) The minimum size of tree holes, shrub holes, shrub bed and trenches shall be as follows:

Item	Tree Holes	Large Shrubs	Shrub beds	Ground cover beds
Min size	1.2m x 1.2m x 1.2m for semi-matured and mature trees and palms as specified	0.6m x 0.6m x 0.6m depth	0.6m deep	0.3m deep

The excavated hole/bed/trench shall be backfilled with planting soil mixture as specified in Part B. Shrub bed shall be 0.6m deep and lightly ram up to a height of 0.25m to 0.45m above the surrounding.

(v) The Contractor shall compact the soil mix as required to minimise future soil settlement.

(vi) 10-15% compaction is expected. Soil generally should allow for this.

(vii) The Contractor shall at all times during planting operations maintain at the site one or more stockpiles of approved quality top soil. Planting holes for trees, shrubs and plants shall be excavated with sides vertical. Where impractical to do so due to non-cohesive nature of the soil, they shall be so excavated as to provide not less than the specified plan size at the bottom of the excavation. Soil excavated from planting holes shall be removed and shall not be reused in back filling. Planting holes for trees shall be at least 1.2m in diameter and 1.2m deep. Planting holes for shrubs shall be at least 60cm in diameter and 60cm deep. No debris shall be left on site. Excavated materials shall be removed as directed. The Contractor shall repair any damage caused to the Building and other works within or outside the Project site.

(viii) All Plants shall be moved with their root system as solid units with balls of earth firmly wrapped with burlap. The diameter and depth of the balls of earth shall be sufficient to encompass their respective fibrous root feeding system necessary for their healthy

development. No Plants will be accepted by Engineer/Landscape Architect when the ball of earth surrounding its roots has been badly cracked or broken prior to or during the process of planting or after the hessian, ropes or platform required in connection with transplanting thereof have been removed. All Plants and their balls of earth shall remain intact during all operations. Delivery of Plants shall be so scheduled as to allow final placing within 24 hours after arrival on site. All Plants that cannot be placed at once shall be heeled in by setting them in the ground with their root balls covered with soil and then watered.

(ix) All Plants are to be removed from their original growing receptacles prior to installation. They should be arranged in such a manner that the leaves complement each other, are within touching distance of the other and not overlapping one another unless specified to the contrary. All planting work should have an instant effect. Plants should be arranged with their foliage showing off their best face in order that the intended design effect would be fully realised.

(x) Rooted cutting of ground covers should be laid at approximately 200mm centres.

(xi) Stakes for supporting trees 2m tall and over shall be of minimum 5cm square cross-section and be of sound wood of uniform size, reasonably free of knots and capable of standing in the ground for at least two (2) years. Anchor stakes for guying shall be 1m long and be of 5cm square cross-section, of sound wood reasonably free of knots and capable of standing in the ground for at least two (2) years.

(xii) All saplings shall be staked.

(xiii) All semi-matured trees shall be staked by guying or by ground anchors as specified and as directed by Engineer/Landscape Architect.

(xiv) Roots and earth balls of all Plants shall be kept damp and thoroughly protected from the sun and wind during transportation to the site at all times until finally planted. All Plants shall be accurately set in the centre of the planting holes and at the same depth to final ground surface levels as they previously grew. Care should be taken to set all Plants upright in the holes before backfilling.

All backfill shall be brought to a finished level (after settlement) identical to the level of the surrounding area except when directed otherwise by Engineer/Landscape Architect. Backfill shall not be compacted by ramming. A saucer shall be formed around trees, shrubs or plants so that it is sufficient to retain 15cm deep of water in the case of trees and 10cm deep in the case of shrubs and plants. Such saucers shall be of the same diameter as that of the planting holes. Saucers to trees, shrubs and plants shall be flooded once every day for 30 days except on the days with significant rainfall.

B Turfing

(i) The sub-soil to be placed in all areas to be turfed shall be correctly and evenly graded to the required thickness, lines and levels and the surface thereof shall be free from protruding rocks, loose stones, sticks or other undesirable materials likely to interrupt the growth of the turf to be planted thereon. The finished surface of the sub-soil where topsoil is to be placed shall be so completed as not to allow water pooling or water logging. All

sub-soil fill with imperfect finishes shall be restructured or re-graded to the satisfaction of Engineer/Landscape Architect.

(ii) Dried organic humus/compost of a minimum thickness of 5cm shall be spread and levelled over the topsoil over the full extent of all areas to be turfed.

(iii) The Contractor shall thoroughly water turf areas within the date in which the turf were set and each subsequent day for 14 days, except on the days of appreciable rainfall.

All areas to be turfed in accordance with the Contract Drawings shall include setting around and up to trees, shrubs and plants and trimming adjacent to hard surfaces as directed by Engineer/Landscape Architect. Turfed areas shall have full coverage without visible joints between turf panels for close turfing.

C Use of Organic Compost

(i) Matured pure organic manure shall be used. Manure shall be free of weeds, grass, dried branches and twigs and inorganic waste.

D Fertilizer

(i) Chemical Fertilizer

Mixed commercial fertilizers shall be complete fertilizers, shall bear the manufacturer's guarantee statement of analysis, and shall meet the following requirement in available form:

SUBSOIL DRAIN

Where indicated surface & sub surface drainage shall be used at locations, falls and connections as shown in the drawings. These shall be as approved by Engineer/Landscape Architect.

LANDSCAPE EARTH MOUNDS

The contractor is to construct earth mounds to a height as specified in the drawings. The contractor may use only approved soil materials to construct such.

To construct these earth mounds the contractor is to provide all necessary soil, equipment, tools, labour etc. to lay, tamp and to carry out all other necessary operations to form the earth mounds according to the slope or height as specified in the drawings or as directed by Engineer/Landscape Architect.

The Contractor shall be responsible for the protection of completed subsoil mounds and shall take preventive measures to control erosion and restore or replace any portion of the earthwork areas which has eroded, slumped or is otherwise damaged by washing out of soil.

ACCEPTANCE

Only materials meeting the above Specification will be allowed for use. The Contractor shall be responsible for the immediate removal and disposal of any material that has been delivered to the site

but fails to meet the requirements of this Specification. Engineer/Landscape Architect's decision on acceptance of materials shall be final.

MAINTENANCE

Comprehensive maintenance programmes shall be prepared by the Contractor for approval by Engineer/Landscape Architect prior to the commencement of the maintenance work based on different types of maintenance requirements and this shall include manpower deployment/routine programmes on daily/weekly/fortnightly/monthly basis. The duration of maintenance contract will be 24 months from the actual date of completion of the landscape works.

(i) The Contractor shall however be responsible for the necessary maintenance, which will immediately follow and coincide with the planting operation and shall continue throughout the period prior to taking over the completed work by the Employer.

(ii) The horticultural maintenance works shall include but not necessarily be limited to the following:

(a) Watering

It is the responsibility of the Contractor to water all the plants regularly at his own cost.

The frequency of watering shall be as follows:

- | | | |
|---|---|----------------------|
| 1. 1 st month | - | Daily. |
| 2. 2 nd to 3 rd month | - | Every alternate day. |
| 3. 4 th month and beyond- | | Twice weekly. |

During maintenance period water will be made available to the contractor by the client free of cost at one point in the site. Contractor has to make necessary arrangements for the distribution lines/ tankers at his own cost.

Note: The frequency of water given above is only a guide and in the event where plants show stress due to lack of water, Engineer / Landscape Architect reserve the right to insist for additional watering at Contractor's own cost and it is the total responsibility of the contractor to see that all plants, shrubs etc survive and come up with good growth.

(b) Weeding

All weeds found growing in the landscape areas under maintenance must be removed.

(c) Forking

All plant beds must be forked fortnightly to loosen the soil and provide sufficient aeration for the roots.

(d) Pruning

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Plants must be pruned when necessary. All trees, palms, shrubs and groundcovers shall be pruned by thinning out and shortening of branches to the extent of one third of the existing growth.

Dead wood and broken or badly bruised branches shall be removed. Main leaders shall not be cut.

(e) Topdressing

Plants with exposed roots and those affected by rainwater splashing and erosion shall be top dressed every three months. A mulch can reduce the amount of water lost through surface evaporation, weed generation and soil erosion. All planting beds must be mulched at every three months interval.

(f) Spraying of Plants

All foliage and flowering plants must be sprayed with a fungicide and an insecticide once every two weeks or when directed by Engineer/Landscape Architect. Trees are to be sprayed with the proper pesticide when required or directed by Engineer/Landscape Architect.

(g) Fertilizing

Slow release of NPK combine with fast release organic fertiliser shall be applied regularly to ensure healthy growth, repeating the application once every four to six weeks, or when directed by Engineer/Landscape Architect.

All trees, foliage and flowering plants are to be given fertiliser according to the following dosage, fertiliser type and frequency:

Fertiliser	Plants	Dosage	Frequency
12N:12P:17 K : 2 Mg	Trees	25g/plant	Once / month
	Palms in open air	8g/plant	Once / month
	Palms under shelter	4g/plant	Once / month
	Foliage & flowering plants in open air	30g/m ²	Once / month
	Foliage & flowering plants	20g/m ²	Once / month

(h) Replacement of plants

All dead Plants / turf and plants not growing properly are to be replaced by healthy plants of the same species at the Contractor's own expense.

(i) Plant care

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The care of all planting shall be the responsibility of the contractor and shall include but not be limited to the following:

- (a) Watering of all planting as required, making proper adjustments for different environmental conditions, seasonal variations and plant growth.
- (b) Develop spraying programs for the control of insects and disease. Preventive spraying shall be carried out monthly.
- (c) The proper fertilizing of Plants to establish vigorous growth and avoiding any deficiencies in Plant nutrients. Alternate use of appropriate chemical and organic fertilizers shall be carried out monthly.
- (d) Routine pruning and the removal of dead leaves and branches shall be regularly scheduled to maintain the best possible appearance for all Plants at all times during the Maintenance Period. Pruning shall be done with clean sharp tools to produce clean surfaces. Cuts over 2cm diameter shall be treated with wound dressing or similar approved dressing applied in accordance with manufacturer's written instructions so as to cover all exposed living tissues.
- (e) All planting areas shall be kept free of weeds throughout the Maintenance Period. No herbicide shall be used without the approval of Engineer/Landscape Architect.
- (f) All herbaceous mat plantings shall be clipped/trimmed to maintain the required planting patterns.
- (g) Liming shall be carried out only when required on the instruction of Engineer/Landscape Architect.
- (h) One additional top dressing with 50mm thick of good quality topsoil or manure mixed with topsoil shall be applied to all tree hole or shrub bed when instructed by Engineer/Landscape Architect.
- (j) All tree guards/stakes used to protect/secure Plants in position must be properly maintained. Tree-guards/stakes are to be removed when Plants have adequately established themselves or when directed by Engineer/Landscape Architect.

(j) Safety Measures

- (a) It shall be the Contractor's responsibility to take every safety precaution to eliminate danger to his workmen, the general public and property of others when carrying out maintenance works.
- (b) All grass cutting machines used in the work shall be installed with suitable protective guards of steel or other approved materials to eliminate splinters and flung-off objects from causing damage. Under no circumstances shall the protective guards be removed from machines in operation. Warning signs shall be provided and displayed at all strategic locations while the grass cutting work is in progress.
- (c) In the event the Contractor fails to provide either the protective guards or warning signs, the Architect shall have the right to stop the use of such machines immediately and

the use of machines shall not be allowed until the necessary protective guards and warning signs are provided by the Contractor. The Contractor shall be solely responsible for all delays, losses and expenses whatsoever arising therefrom and no claims whatsoever shall be entertained.

(d) The Contractor shall always ensure that his workmen wear safety boots and safety vests whenever they are operating grass cutting machines. Any workmen found not complying with such requirements will be directed to leave the worksite by Engineer/Landscape Architect.

FINAL INSPECTION AND ACCEPTANCE

The Engineer/Landscape Architect upon completion of planting shall base preliminary acceptance upon a visual inspection.

Ten (10) days after the completion of each planting operation and ten (10) days before the commencement of the Maintenance Period, Engineer/Landscape Architect will recommend acceptance of the Contract Works, subject to the following conditions:

(i) All plant materials must have satisfactory growth progress and have evidence of a sufficient degree of maintenance as specified.

(ii) The site must be thoroughly cleaned, and all excess materials removed.

(iii) Any dead plants and plants not in a vigorous condition at the time of the inspection must be replaced.

(a) Plants to be used as replacement shall be of the same kind and size as originally specified; they shall be planted and maintained as specified.

(b) The cost of replacement under all circumstances shall be borne by the Contractor.

(c) Defects observed at the time of the inspections must be rectified to the satisfaction of Engineer/Landscape Architect.

PAYMENT

A Payment

Payment for this Section is subject to the terms and conditions of the Contract. Payment will be made according to the items that are set out in the Schedule of Prices. All materials, measures and related works as specified are deemed to be included in the pricing of each individual item therein.

The onus of investigating and ensuring the actual extent and nature of the Works included in this Contract prior to the submission of this tender, rests solely with the Contractor. His attention is therefore drawn to the fact that the brief descriptions of the work items are only for guidance and any omission shall not constitute a ground for any claim.

B. Payment during Maintenance Period

Payment for the maintenance of the Plants during the Maintenance Period shall be through appropriately proportioned monthly progress payments that shall be subject to adjustments

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as according to the certified percentage of works done as recorded in the Certification Forms.

AS-BUILT DRAWING

The Contractor shall prepare as-built drawings during the last month before final completion for handing over to the Employer at the final inspection and to be submitted in SIX sets of Hard Copies and along with soft copies.

Annexure-F
(See clause 3 of section 2-ITB)

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.

Annexure – G
(See clause 4 of Section 2 -ITB)

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 a 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 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] of above, as well as in the bid and in the Agreement tin case of a successful bid];
 - e. The joint venture agreement should indicate precisely the role of all members of IV 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. The-joint venture agreement should be registered, to be legally valid and binding on all partners and
 - g. a copy of the joint Venture Agreement entered by the partners shall be submitted with the bid.
2. The figures for each of the partners of a joint venture shall be added together to determine the Bidder's compliance with the minimum qualifying criteria required for the bid. All the partners 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 a 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

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5. Attach the agreement among all partners of the joint venture [and which is legally binding on all partners], which shows the requirements as indicted in the Instructions to Bidders’.
6. Furnish details of participation proposed in the joint venture as below:

DETAILS OF PARTICIPATION IN THE IOINT VENTURE

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)			

7. The partners of J.V. should satisfy the qualification criteria as below,
 - a. The Lead Partner must meet at least 50% requirement of Technical and Financial eligibility criteria required for the bid.
 - b. The other partner(s) must meet at least 25% requirement of Technical and financial eligibility criteria required for the bid.
 - c. The lead partner and the other partners should together meet 100% of all the eligibility criteria required for the bid.
8. For the meeting the minimum qualification criteria of experience of similar nature work. Every partner can have experience of different works as defined in similar nature works and together should have the experience of all type of works described in similar nature works.

Annexure-H

(See clause 12 of Section 2 –ITB & clause 4 of GCC)

**ORGANIZATIONAL DETAILS
(To be contained in Envelope- A)**

S.No.	Particulars	Details
1	Registration number issued by Centralized Registration System of Govt. of M.P. or Proof of application for registration.	'(If applicable, scanned copy of proof of application for registration to be uploaded)
2	Valid Registration of bidder in appropriate class through Centralized Registration of Govt. of MP	Registration No. ____Date____ (Scanned copy of Registration to be uploaded)
3	Name of Organization/ Individual/ Proprietary Firm/Partnership Firm	
4	Entity of Organization Individual/ Proprietary Firm/ Partnership Firm (Registered under Partnership Act)/Limited Company (Registered under the Companies Act–1956)/ Corporation / Joint Venture	
5	Address of Communication	
6	Telephone Number with STD Code	
7	Fax Number with STD Code	
8	Mobile Number	
9	E-mail Address for all communications	
	Details of Authorized Representative	
10	Name	
11	Designation	
12	Postal Address	
13	Telephone Number with STD Code	
14	Fax Number with STD Code	
15	Mobile Number	
16	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.

- *Self-Attested photocopies/scanned copies of all the relevant proof documents should be submitted in the physical bid as well as online bid.*

Signature of Bidder with Seal

Date: _____

Annexure – I
(See clause 14 of Section 2 -ITB)

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 equipment/ machines for quality control labs	Annexure - I (Format: I-4)
5	List of Key equipment/ machines for construction work	Annexure - I (Format: I-5)

Note:

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

Annexure - I (Format: I-1)
(See clause 14 of Section 2 -ITB)

FINANCIAL & PHYSICAL EXPERIENCE DETAILS

A. Financial Requirement:

The bidder should have completed either of the below:

- a) *three similar works* each costing not less than the amount *equal to 20% of the probable amount* of contract during the *last 3 financial years; or*
- b) *two similar works* each costing not less than the amount *equal to 30% of probable amount* of contract during the *last 3 financial years; or*
- c) *one similar work* of aggregate cost not less than the amount *equal to 50% of the probable amount* of contract in any one financial year during *the last 3 financial years;*

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.

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

Existing commitments— (Value of 'C' for Bid Capacity formula)

Agreement Number & Year	Name of Work	Date of Work Order	Date of Completion	Amount of Contract	Amount of balance work	Employer's Name and Address

B. Physical Requirement:

Execution of similar items of work in any one financial year during the last 3 financial years should not be less than the minimum physical. Requirement fixed for the work.

S.No.	Particulars	Actual Quantity Executed (To be filled in by the contractor)		
		Year – 1	Year – 2	Year - 3
	Physical qualification required	Yes		
1	Execution of Building projects			

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2	Execution of Landscape projects			
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Note:

1. Certificate duly signed by the employer shall be enclosed for the actual quantity executed in any one year during the last 3 financial years,

2. Similar works:

Building works is defined as the construction, erection, assembly or placement of a building or an incidental structure with main items of work as earth work, cement concrete, reinforced cement concrete, brick masonry, stone masonry etc.

Landscape Works all works of a horticultural nature, and shall include the placing, cultivation and preparation of topsoil and subsoil layers, and the supply and planting of trees, shrubs and other plant material, and any civil work essentially associated with these such as tree grills, tree guards and tree rings, seating, pergolas, pathways etc.

Special Condition

The Maintenance of overall green belt including pruning of trees, cutting hedges and shrubs, filling gaps, changing of unhealthy plants, maintenance of lawns etc for 3 months from the date of final bill issued is included in the total bid cost.

Annexure-I (Format: I-2)
(See clause 14 of Section 2 -ITB)

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 3 financial years;

To be filled in by the contractor:

Financial Year Payments received for contracts in progress or completed

Financial Year	Payments received for contracts in progress or completed
1. 2016-2017	
2. 2015-2016	
3. 2014-2015	

Note:

- i Annual turnover from 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.

Bid Capacity

Applicants who meet the minimum qualifying criteria in the evaluation as stated above are to be evaluated further for bid capacity as under:

$$\text{Bid Capacity} = (1.5A \times B) - C$$

Where

A. = Maximum value of civil engineering works executed in any one year during the last five years (10% weightage per year shall be given to bring the value of work executed at present price level)

B = Proposed contract period in years.

C = Amount of work in hand at present.

Annexure - I (Format: I-3)
(See clause 14 of Section 2-ITB & Clause 6 of GCC)

List of Technical Personnel for the Key Positions¹

S. No	Key Positions	Qualifications	Age	Similar Work Experience	Total Work Experience	Name of Personnel	Key Position	Qualification	Similar Work Experience	Total Work Experience
1.	Site Engineer 2 Nos	Diploma in Civil	below 60 years	5 years	10 years					
2.	Site supervisor 2 Nos	Diploma in Horticulture	below 60 years	5 years	10 years					
Total	4 Nos									

Note:

- 1. Aforesaid personnel shall be deployed within the period starting from the date of award of contract as stipulated in the contract.*
- 2. Approval of the JSCL about suitability of personnel shall be obtained before deployment. The bidder shall submit CV of each personnel proposed as per the format Appendix 2.*

Annexure - I (Format: I-4)
(See clause 17 of GCC)

List of Key equipment/ machines for quality control labs

(Only for civil works and landscape work)

List Equipment's available with bidder

S.No.	Name of Equipment/ Machinery	Quantity for works costing	Quantity Available with the Bidder	Remarks
		Upto Rs 5 Cr		
A)	GENERAL			
1)	Weigh Balances			
	a) 5-20 kg capacity Electronic type – Accuracy 1 gm	Nil		
	b) 500 gm capacity-Electronic Type Accuracy 0.01 gm	1 No.		
	c) Electronic 5 kg capacity Accuracy 0.5 gm	1 No.		
	e) Chemical Balance 100 gm capacity-accuracy 0.001 gm	Nil		
2)	Oven-electrically operated, thermostatically controlled (including thermometer), stainless steel interior (From 0°C to 220°C Sensitivity 1°C)	1 No		
3)	Sieves : as per IS:460-1962			
	a) I.S. sieves 450 mm internal dia of sieve sets as per BIS of required sieve sizes complete with lid and pan	1 set		
	b) IS sieve 200 mm internal dia (brass frame and steel/or brass wire cloth mesh) consisting of sieve sets of required sieve sizes complete with lid	2 sets		
4)	Sieve shaker capable of sacking 200 mm and 450 mm dia sieves-electrically operated with time switch (for work costing more than 15 crore only)	Nil		
5)	200 tonnes compression testing machine	1 No		
6)	Stop watches 1/5 sec. accuracy	1 No		
7)	Glassware comprising beakers, pipettes, dishes, measuring cylinders (100 to 1000 cc capacity) glass roads and funnels, glass thermometers range 0°C to 100°C and	2 No. each		

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	metallic thermometers range up to 300°C.			
8)	Hot plates 200 mm dia (1500 watt.)			
9)	Enamel trays			
	a) 600 mm x 450 mm x 50 mm	1 Nos		
	b) 450 mm x 300 mm x 40 mm	1 Nos		
	c) 300 mm x 250 mm x 40 mm	1 Nos		
	d) Circular plates of 250 mm dia	1 Nos		
10)	Water Testing Kit	Nil		
B)	FOR SOILS			
1)	Water Tank	1 No		
2)	Liquid limit device with ASTM grooving tools as per IS:2720	Nil		
3)	Sampling pipettes fitted with pressure and suction inlets, 10 ml. Capacity	Nil		
4)	Compaction apparatus (Proctor) as per IS:2720 (Part 7) complete with collar, base plate and hammer and all other accessories	Nil		
5)	Modified AASHTO Compaction apparatus as per IS:2720 (Part 8) 1974 or Heavy Compaction Apparatus as per IS complete with collar, base plate hammer and all other accessories(for work costing more than 15 crore only)	Nil		
6)	Sand pouring cylinder with conical funnel and tap and complete as per IS:2720 (Part 28) 1974 including modern equipment.	1 Nos		
7)	Ennore Standard Sand	As required		
8)	Sampling tins with lids 100 mm dia x 75 mm ht. ½kg capacity and miscellaneous items like moisture tins with lid 50 grams etc.	Nil		
9)	Lab CBR testing equipment for conducting CBR testing, load frame with 5 Tonne capacity, electrically operated with speed control as per IS:2720 (Part 16) and consisting of following: (for work costing more than 15 crore only)	Nil		
	a) CBR moulds 150 mm dia – 175 ht.	Nil		
	b) Tripod stands for holding dial gauge holder	Nil		
	c) CBR plunger with settlement dial gauge holder	Nil		
	d) Surcharge weight 147 mm dia 2.5 kg wt.	Nil		
	e) Spacers disc 148 mm dia 47.7 mm ht. With handle	Nil		

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	f) Perforated plate (Brass)	Nil		
	g) Soaking tank for accommodating 6 CBR moulds	Nil		
	h) Proving rings of 1000 kg, 2500 kg capacity	Nil		
	i) Dial gauges 25 mm travel-0.01 mm/division	Nil		
10)	Standard penetration test equipment	Nil		
11)	Nuclear moisture Density meter or equivalent(for work costing more than 15 crore only)	Nil		
12)	Speedy moisture meter complete with chemicals	I No		
13)	Unconfined Compression Test Apparatus (for work costing more than 15 crore only)	Nil		
C)	FOR BITUMEN AND BITUMINOUS MIXES			
1)	Constant temperature bath for accommodating bitumen test specimen, electrically operated, and thermostatically controlled (to accommodate minimum six Specimens)	Nil		
2)	Penetrometer automatic type, including adjustable weight arrangement and needles as per IS:1203-1958	Nil		
3)	Solvent extraction or centrifuge type apparatus complete with extraction thimbles with solvent and filter paper	1 No		
4)	Bitumen laboratory mixer including required accessories (20 ltrs.) (for work costing more than 15 crore only)	Nil		
5)	Marshall compaction apparatus automatically operated as per ASTM 1559-62 T complete with accessories (with 180 N Marshall Moulds) (for work costing more than 15 crore only)	Nil		
6)	Furol viscometer	Nil		
7)	Ductility meter (for work costing more than 15 crore only)	Nil		
8)	Softening point (Ring and ball app)	Nil		
9)	Distant reading thermometer	Nil		
10)	Rifle box	Nil		
11)	Automatic Asphlat content Meter	Nil		
12)	Thin film over test apparatus for modified binder either with PMB or CRMB(for work costing more than 15 crore only)	Nil		

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13)	Mastic Asphalt Hardness testing equipment(for work costing more than 15 crore only)	Nil		
14)	Sand Equivalent test apparatus	Nil		
15)	Core cutting machine suitable for upto 150 mm dia core	1 set		
16)	Thermometers (Digital)	2 Nos		
D)	FOR CEMENT, CEMENT CONCRETE AND MATERIALS			
1)	Water Tank	1 No		
2)	Vicat needle apparatus for setting time with plungers as per IS:269-1967	1 No		
3)	Moulds			
	a) 150 mm x 300 mm ht. Cylinder with capping component along with the capping set and compound as per IS	Nil		
	b) Cube 150 mm, and 100 mm (each size)	6 Nos		
4)	Concrete permeability apparatus	Nil		
5)	High frequency mortar cube vibrator for cement testing	Nil		
6)	Concrete mixer power driven, 1 cu.ft. capacity	Nil		
7)	Variable frequency and amplitude vibrating table size 1 m x 1 m as per the relevant British Standard	Nil		
8)	Flakiness index test apparatus	1 No		
9)	Aggregate impact test apparatus as per IS:2386 (Part 4) 1963	Nil		
10)	Los-Angeles abrasion test apparatus as per IS:2386 (Part 4) 1963	Nil		
11)	Flow table as per IS:712-1973	Nil		
12)	Equipment for slump test	1 No		
13)	Equipment for determination of specific gravity or fine and coarse aggregate as per IS:2386 (Part 3) 1963	1 No		
14)	Compression and Flexural strength testing machine of 200 T capacity with additional dial for flexural testing	1 No		
15)	Core cutting machine with 10/15 cm dia diamond cutting edge	1 No		
16)	Needle vibrator	1 No		
17)	Air entrainment meter	Nil		
18)	0.5 Cft, 1 Cft cylinder for checking bulk density of aggregate with tamping rod	Nil		
19)	Soundness testing apparatus for cement (Lee Chatlier)	Nil		

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E)	FOR CONTROL OF PROFILE AND SURFACE EVENNESS			
1)	Total Station	Nil		
2)	Precision automatic level with micrometre attachment	1 set		
3)	Distomat or equivalent	Nil		
4)	Theodolite – Electronically operated with computerised output attachment	Nil		
5)	Precision staff	2 sets		
6)	3 meter straight edge and measuring wedge	1 sets		
7)	Camber template 2 Lane			
	a) Crown type cross – section	1sets		
	b) Straight run cross – section	1sets		
8)	Steel tape			
	a) 5 m long	2 Nos		
	b) 10 m long	2 Nos		
	c) 20 m long	2 Nos		
	d) 30 m long	2 Nos		
	e) 50 m long	1 No		
9)	Roughometer (Bump Integrator)	1 No. (when required)		

Construction of Laboratory well-equipped with equipment as listed above is incidental to the work and no separate payment will be made for this.

The Contractor shall carry out other various tests for various items and materials at Govt. Engineering College or any other approved laboratory as directed by the Engineer at Contractor's own cost. At the end of each month for each category of the work, e.g. RCC work, masonry work, etc. the Contractor shall give statistical analysis of all the test results in the format prescribed by the Engineer and take corrective action in the work in accordance with these results.

Note: Intention to procure/lease the plants and machinery should be accompanied by documents to the effect. The nature of documents could be any one of the under:

- 1 Order to the manufacturer of the plant and equipment's.
- 2 Confirmation from the manufacturer.
- 3 Proof of payments in full or part.
- 4 Agreement to lease the equipment.

Annexure - I (Format: I-5)
(See clause 14 of Section 2-ITB)

List of Key Equipment's/ Machines for Construction Work
(Only for civil works and landscape work)

List of Equipment's available with bidder

S. No.	Name of Equipment/ Machinery	Quantity Required with the bidder for works costing	Quantity Available with the bidder	Remarks
1.	Excavator	1		
2.	Dumper	3		
3.	Concrete Mixer	1		
4.	Vibrator 25 mm needle	3		
5.	Earth Compactor/roller for getting max dry density	1		
6.	Centrifugal pump for dewatering	2		
7.	Plate vibrator	2		
8.	Water Tanker	2		

Note: Intention to procure/lease the plants and machinery should be accompanied by documents to the effect. The nature of documents could be any one of the under:

- 1 Order to the manufacturer of the plant and equipment's.
- 2 Confirmation from the manufacturer.
- 3 Proof of payments in full or part.
- 4 Agreement to lease the equipment.

FINANCIAL BID
(To Be Contained in Envelope-C)

To be submitted online only

NAME OF WORK _____

I/We hereby bid for the execution of the above work within the time specified at the rate (in figures) _____(in words) _____percent below/above or at par based on the Bill of Quantities and item wise rates given therein 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 plant 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 so far as applicable, or in default thereof to forfeit and pay to the Jabalpur Smart City Limited or his successors in office the sums of money mentioned in the said conditions.

Note:

- i. 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. 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 except Goods and services tax (GST) are included in the rates (in case of Percentage Rate Bids)/ Lump sum offer (in case of Lump-sum Bids quoted by the bidder.

Dated this _____ day of _____ 20---

Signature _____ in the capacity of _____ duly authorised **

To sign Bid for and on behalf of _____(In block capital letters)

Development of Recreational Zone at Sangram Sagar Lake, Jabalpur (M.P.)

Signature of Bidder

Name of Bidder

The above bid is hereby accepted by me on behalf of the Jabalpur Smart City Limited dated the _____ day of _____ 20_____

Signature of Officer

by whom accepted

Annexure – K
(See clause 15 of Section 2 -ITB)

MATERIALS TO BE ISSUED BY THE DEPARTMENT

Not Applicable

Annexure—L
(See clause 21 of Section 2 -ITB)

LETTER OF ACCEPTANCE (LOA)

No. _____

Dated: _____

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

Subject: _____
(Name of the work as appearing in the bid for the. work)

Dear Sir(s),

Your bid for the work mentioned above has been accepted on behalf of the Jabalpur Smart City Limited at your bided percentage _____ below/ above or at par the Bill of Quantities and item wise rates 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 to three months after the expiry of defects liability period, and
- b. Sign the contract agreement.

Failing which action shall be taken in terms of the terms and conditions of the tender.

Please note that the time allowed for carrying-out the work as entered in the bid is _____ months including/ excluding 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

Executive Engineer

Annexure – M
(See clause 22 of Section 2 -ITB

PERFORMANCE SECURITY

To

_____ [name of Employer]
_____ [address 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, an 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 term 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 the date of expiry of the Defect Liability Period.

This guarantee shall also be operatable at our branch at Jabalpur, from whom, confirmation regarding the issue of this guarantee or extension/ renewal thereof shall be made available on demand. In the contingency of this guarantee being invoked and payment thereunder claimed, the said branch shall accept such invocation letter and make payment of amounts so demanded under the said invocation

Development of Recreational Zone at Sangram Sagar Lake, Jabalpur (M.P.)

Notwithstanding anything contained herein before, our liability under this guarantee is restricted to Rs. _____ (Rs. _____ in words) and the guarantee shall remain valid till _____. Unless a claim or a demand in writing is served upon us on or before _____ all our liability under this guarantee shall cease.

Signature, and seal of the Guarantor with Name, Designation, Employee Code Number & Telephone Number Name and Seal of the guarantor _____

Name of Issuing Bank / Branch _____

Name of the Controlling Branch/Bank _____

Address _____

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

Date _____

In the presence of (if this is to be witnessed as per bank's policy).....

1.....

(Name, Address & Occupation)

2.....

(Name, Address & Occupation)

*An amount shall be inserted by the Guarantor, representing the percentage of 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 Machinery Advance
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,	41	Death or Permanent Invalidity of Contractor

	Designs, Drawings etc.		
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. **Chief Engineer:** means Chief Engineer of the zone/ basin concerned:
- 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. Water Resources Department, Public Works Department, Public Health Engineering Department Rural Engineering Service and any other organization which adopts this document.
- 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 person named in the Contract Data.
- 1.16. **Engineer in charge:** means the person named in the Contract Data.
- 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. **Superintending Engineer:** means Superintending Engineer-in-Charge of the Circle concerned.

- 1.22. **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.
- 1.23. **Specification:** means the specification of the work included in the Contract and any modification or addition made or approved by the Engineer-in-Charge.
- 1.24. **Start Date:** means the date of signing of agreement for the work.
- 1.25. **Sub-Contractor:** means a person or corporate body who has a Contract with the Contractor, duly authorized to carry out a part of the construction work under the Contract.
- 1.26. **Temporary Work:** means work designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the work.
- 1.27. **Tender/Bid, Tendered/Bidder:** are the synonyms and carry the same meaning where ever used. -
- 1.28. **Variation:** means any change in the work which is instructed or approved as variation under this contract.
- 1.29. **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. Wards 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 Annexure’s)
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 Contractors 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, ionising 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 contact 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 design/ 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 Corporation 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 fulfilment 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 time lines 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:
- a) Carrying out the tests prescribed in specifications, and
 - b) 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 equipment's 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 Ten percent of the mandatory test prescribed under the specification shall be got carried out through laboratories accredited by national Accreditation Board of laboratories (NABL) By the Engineer-in-charge and the cost of such testing shall be deducted from the payments due to contractor.

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 the irrespective 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 (in case of percentage rate bids)/ lump-sum offer (in case of lump-sum bids) quoted by the Contractor shall be deemed to be inclusive of all, duties, royalties, levies and taxes etc. except Goods and Service Tax (GST). The amount of applicable GST will be paid separately to the Contractor with each bill at the time of payment.

25.2 The liability, if any, on account of quarry fees, duties, taxes (except GST), royalties, and levies etc. in respect of materials consumed or services rendered 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 falls 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 Delectability Period.

30.3 The Security Deposit shall be refunded on completion of Defect Liability Period plus 3(three) Months.

31. Price Adjustment

31.1 Applicability

1. Price adjustment shall be applicable only if provided for in the Contract Data.
2. The price adjustment clause shall apply only for the works executed from the date of signing of the agreement until the end of the initial intended completion date or extensions granted for reasons attributed to the Employer by the Engineer.
3. The Contractor shall not be entitled to any benefit arising from the price adjustment clause for extension in the contract period for reasons attributed to the Contractor.
4. In the Force Majeure event the price escalation clause shall apply.

31.2 Procedure

1. Contract price shall be adjusted for increase or decrease in rates and price of labor, materials, fuels and lubricants in accordance with following principles and procedures and as per formula given in the contract data.
2. The price adjustable shall be determined during each quarter from the formula given in the contract data.

3. Following expression and meaning are assigned to the work done during each quarter:

R = Total value of work during the quarter. It would include the amount of secured advance granted, if any, during the quarter, less the amount of secured advance recovered, if any during the quarter, less value of material issued by the department, if any, during the quarter.

4. Weightages of various components of the work shall be as per the Contract Data.
- 31.3 To the extent that full compensation for any rise or fall in costs to the contractor is not covered by the provisions of this or other clauses in the contract the unit rates and prices included in the contract shall be deemed to include amounts to cover the contingency of such other rise or fall in costs.
- 31.4 The index relevant to any quarter, for which such compensation is paid, shall be the arithmetical average of the indices relevant of the calendar month.
- 31.5 For the purpose of clarity it is pointed out that the price adjustment may be either positive or negative, i.e. if the price adjustment is in favour of the Employer, the same shall be recovered from the sums payable to the Contractor.

32. Mobilization and Construction Machinery 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 bank, 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 The construction machinery advance, if applicable, shall be limited to 80% of the cost of construction machinery and admissible only for new construction machinery.
- 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

- 33.1 Payment of Secured Advance shall be applicable if provided in the Contract Data.
- 33.2 If applicable, the Engineer shall make advance payment against materials intended for but not yet incorporated in the Works and against provision by the contractor of an unconditional Bank Guarantee in a form and by a nationalized/ scheduled bank, 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 adjusted, but the amount of the guarantee shall be progressively reduced by the amounts adjusted by the contractor.

33.3 The amount of secured advance and conditions to be fulfilled shall be as stipulated in the Contract Data.

33.4 The Secured Advance paid shall be recovered as stated in the Contract Data.

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 Labor Regulations

- 39.1 During continuance of the Contract, the Contractor and his Sub Contractors shall abide at all times by all existing labor enactments and rules made there under, regulations, notifications and bye laws of the, State or Central Government or local authority and any other labor law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labor 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

<i>Clause reference</i>	<i>Particulars</i>	<i>Data</i>
1.14	Employer	Executive Director, JSCL, Jabalpur
1.15	Engineer	Executive Engineer
1.16	Engineer in Charge	Assistant Engineer
1.12	Stipulated period of completion	12 months (including Rainy season)
3	Language & Law of Contract	Indian Contract Act 1872
4	Address & contact details of the Contractor	As per Annexure H
	Address & contact details of the Employer/ Engineer- phone, Fax, email.	Executive Director, JSCL
5	Subcontracting permitted for the Contract Value	Upto 10% by approval of employer
6	Technical Personnel to be provided the contractor— requirement, &	As per Annexure - I (Format I-3)
	Penalty, if required Technical Personnel not employed	As per rule
10	Specifications	As per Annexure E
	Drawings	As per Annexure N
12	Competent Authority for deciding dispute under Dispute Resolution System	As per rule
	Appellate Authority for deciding dispute under Dispute Resolution System	Executive Director, JSCL
13	Period for submission of updated construction program	7 days
	Amount to be withheld for hot submitting construction program in prescribed period	As per rule
14	Competent Authority for granting Time Extension.	As per rule
15	Milestones laid down for the contract	YES
	If Yes, details of Milestones	As per Annexure – O
	Liquidated damage	As per Annexure – P

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17	List of equipment for lab	As per Annexure - Q
	Time to establish lab	As per rule
	Penalty for not establishing field Laboratory	As per rule
18	Defect Liability Period	36 months (3 years) after physical completion of work
21	Competent Authority for determining the rate	As per rule
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 or 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	Till issue of physical Completion Certificate as per Clause 35.1
30	Security Deposit to be deducted from each running bill	At the rate of 5%.
	Maximum limit of deduction of Security Deposit	Up to 5% of Final Contract Amount.
31	Price Adjustment formula and procedure to calculate	N.A.
31.1 (1)	Price adjustment shall be applicable	Price Adjustment shall be applicable only in case where the amount in NIT is more than Rs. 10 (Ten) Crores. This clause shall not have any bearing with the Contract Amount.
32	32:1 Mobilization and Construction Machinery Advance Applicable	No Mobilization and Construction Machinery Advance shall be payable.
	32.2 If yes, Unconditional Bank Guarantee	In the format prescribed in Annexure - S
	32.3 If yes, Rate of interest	10% annual simple interest

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	chargeable on advances	
	32.4 If yes, Type & Amount of Advance payment that can be paid	<p>1. Mobilization advance - Not more than ... % of contract amount</p> <p>2. Construction Machinery Advance – Not more than ... % of contract amount</p>
	32.5 If yes, Recovery of advance payment	<p>Recovery of Mobilization and/or Construction Machinery 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.</p> <p>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 accrue 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.</p>
33	33.1 secured Advance Applicable	No Secured Advance payable.
	33.2 if yes, Unconditional Bank Guarantee	In the format prescribed in Annexure –T
	33.2 if yes, Amount of Secured Advance:	75% of value of material as determined by the Engineer in Charge
	33.3 if yes, Conditions for secured advance.	<p>a) The materials are in-accordance with the specification for Works;</p> <p>b) Such materials have been delivered to site, and are properly stored and protected against damage, or deterioration to the satisfaction of the Engineer. The contractor shall store the bulk material in measurable stacks.;</p> <p>c) The Contractor’s records of the requirements, orders, receipt and use of materials are kept in a form approved by the Engineer and such records shall be available for inspection by the Engineer;</p> <p>d) The contractor has submitted with his monthly statement the estimated value of the materials on site together with such documents as may be required by the Engineer for the purpose of valuation of the materials and providing evidence of ownership and payment thereof;</p>

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		<p>e) Ownership of such materials shall be deemed to vest in the Employer for which the Contractor has submitted an Indemnity Bond in an acceptable format; and</p> <p>f) The quantity of materials are not excessive and shall be used within a reasonable time as determined by the Engineer.</p>
	33.4 if yes, Recovery of Secured advance	The advance shall be repaid from each succeeding monthly payment to the extent materials [for which advance was previously paid) have been incorporated into the Works.
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	<i>Executive Director, JSCL</i>
37	Salient features of some of the major labour laws that are applicable	As per Annexure – W

Annexure—N
(See clause 10 of Section 3— GCC)

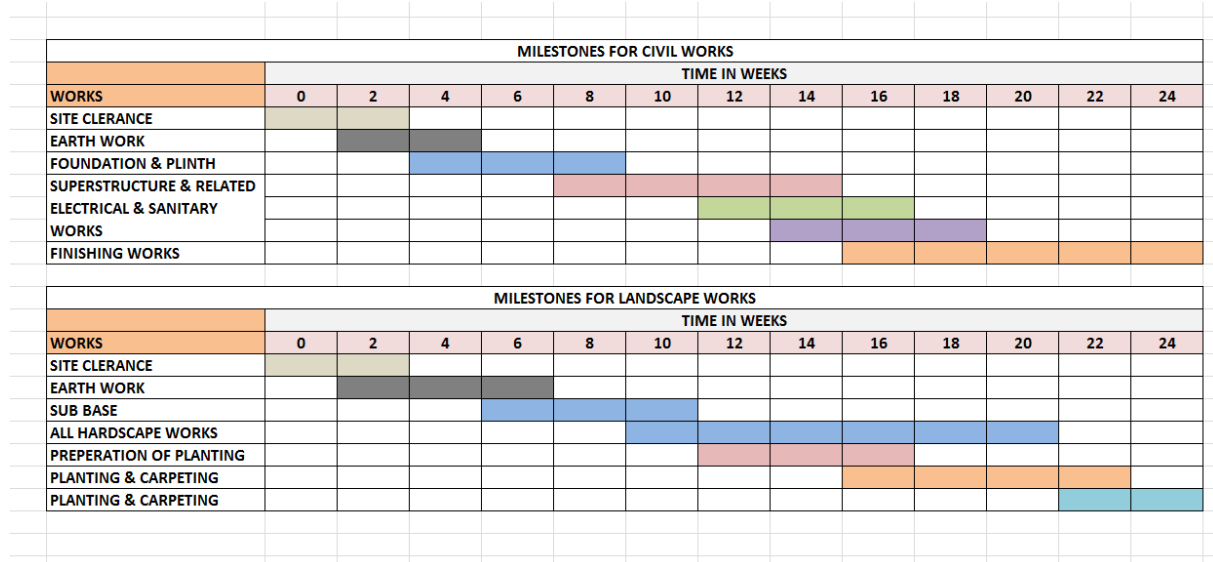
Drawings

Enclosed as Annexure 1

ANNEXURE – O
(See clause 15 of Section 3 -GCC)

Details of Milestones

PERT CHART FOR PROJECT



Physical Milestones	Financial Milestones
Site Clearance and Earth Work	10 % of Total Amount
Foundation and Plinth Level for Civil Works and Site preparation for landscaping	15% of Total Amount
Super-structure for Building works (including related electrical and sanitary works) till lintel level and preparation of Base for Roadworks and landscaping	15% of Total Amount
Roof Level(including related electrical and sanitary works) for Building works, All hardscape works and preparation of Planting Beds	20% of Total Amount
Finishing for Civil Works such as plastering, painting, flooring etc. ((including related electrical and sanitary works), Finishing of Road works and Planting and Carpeting under landscape	20% of the Total Amount
Completion of Civil works in all respects, finishing of road works in all respects, installation of all site furniture's (benches, dustbins, signage etc.) in all respect	15% Total Amount
Handing over of Site completed in all respects	5% Total Amount

ANNEXURE – P

(See clause 15 of Section 3-GCC)

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 for either Employer's default or Force Majeure, 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 Superintending Engineer shall be final and binding upon both the parties.*

Annexure – Q
(See clause 17 of Section 3 GCC)

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

ANNEXURE - R
(See clause 31 of Section 3 -GCC)

Price Adjustment

The formulas for adjustment of price are as follow:

R = Value of work as defined in Clause 31.2(3) of General Conditions of Contract

Weightages* of component in the work

S.No.	Component	Percentage of Component in the work
1.	Cement -P _c	
2.	Steel -P _s	
3.	Bitumen -P _b	
4.	POL P _f	

* Weightages of various components of the work shall be as determined by the competent Technical authority.

Adjustment for cement component

(ii) Price adjustment for increase or decrease in the cost of cement procured by the contractor shall be paid in accordance with the following formula:

$$V_c = 0.85 \times P_c / 100 \times R \times (C_1 - C_0) / C_0$$

V_c = increase or decrease in the cost of work during the month under Consideration due to changes in rates for cement.

C₀ = The all India wholesale price index for Grey cement on the date of opening of Bids as published by the Ministry of Industrial Development, Government of India, New Delhi (www.eaindustry.nic.in)

C₁ = The all India average wholesale price Index for grey cement for the month under consideration as published by Ministry Government of India, New Delhi. (www.eaindustry.nic.in)

P_c = Percentage of cement component of the work

Note: For the application of this clause, index of Grey Cement has been chosen to represent Cement group.

Adjustment of steel component

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

$$V_s = 0.85 \times P_s \times / 100 \times R \times (S_1 - S_0) / S_0$$

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

S₀ = The all India wholesale price index for steel (Bars and Rods) on the date of opening of Bids as published by the Ministry of Industrial Development, Government of India, New Delhi (www.eaindustry.nic.in)

S₁ = the all India average wholesale price index for steel (Bars and Rods) for the month under consideration as published by Ministry of Industrial Development, New Delhi (www.eaindustry.nic.in)

P_s = Percentage of steel component of the Work.

Note : For the application of this clause, index of Bars and Rods has been chosen to represent steel group.

Adjustment bitumen component

(iv) Price adjustment for increase or decrease is the cost of bitumen shall be paid in accordance with the following formula:

$$V_b = 0.85 \times P_b / 100 \times R \times (B_i - B_0) / B_0$$

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

B_0 = The official retail price of bitumen at the IOC depot at nearest centre on the date of opening of Bids.

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

P_b = Percentage of bitumen component of the work.

Adjustment of POL (fuel and lubricant) component

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

$$V_f = 0.85 \times P_f / 100 \times R \times (F_i - F_0) / F_0$$

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

F_0 = the official retail price of High speed Diesel (HSD) at the existing consumer pumps of IOC at nearest centre on the date of opening of Bids.

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

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

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

Annexure - S
(See clause 32 of Section 3-GCC)

Bank Guarantee Form for Mobilization and Construction Machinery 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 thereunder or of any of the Contract documents which may be made between _____ [name of Employer] and the Contractor, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or 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

INDENTURE FOR SECURED ADVANCES

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

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

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

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

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

That the said sum of Rupees _____ so advanced by the Employer to

(1) the Contractor as aforesaid and all or any further sum of sums advanced as aforesaid shall be employed by the Contractor in or towards expending the execution of the said works and for no other purpose whatsoever.

(2) That the materials details in the said Account of Secured Advances which have been offered to and accepted by the Employer as security are absolutely the Contractor's own propriety and free from encumbrances of any kind and the contractor will not make any application for or receive a further advance, on the security Of materials which are not absolutely his own property and free from encumbrances of any kind and the Contractor indemnified the Employer against all claims to any materials in respect of which an advance has be made to him as aforesaid.

(3) That the materials detailed in the said account of Secured Advances and all other materials on the security of which any further advance or advances may hereafter be made as aforesaid (hereafter called the said materials) shall be used by the Contractor solely in the execution of the said works in accordance with the directions of the Engineer.

(4) That the Contractor shall make at his own cost all necessary and adequate arrangements for the proper watch, safe custody and protection against all risks of the said materials and that until used in construction as aforesaid the said materials shall remain at the site of the said works in the Contractor's custody and on his own responsibility and shall at all times be open to inspection by the Engineer or any officer authorized by him. In the event of the said materials or any part thereof being stolen, destroyed or damaged or becoming deteriorated in a greater degree than is due to reasonable use and wear thereof the Contractor will forthwith replace the same with other materials of like quality or repair and make good the same required by the Engineer.

(5) That the said materials shall not be removed from the site of the said works except with the written permission of the Engineer or an officer authorized by him on that behalf.

(6) That the advances shall be repayable in full when or before the Contract receives payment from the Employer of the price payable to him for the said works under the terms and provisions of the said agreement. Provided that if any intermediate payments are made to the Contractor on account of work done than on the occasion of each such payment the Employer will be at liberty to make a recovery from the Contractor's bill for such payment by deducting there from the value of the said materials than actually used in the construction and in respect of which recovery has not been made previously, the value for this purpose being determined in respect of each description of materials at the rates at which the amounts of the advances made under these presents were calculated.

(7) That if the Contractor shall at any time make any default in the performance or observance in any respect of any of the terms and provisions of the said agreement or of these presents the total amount of the advance or advances that may still be owing of the Employer shall immediately on the happening of such default were payable by the Contractor to be the Employer together with interest thereon at twelve percent per annum from the date or respective dates of such advance or advances to the date of repayment and with all costs, charges, damages and expenses incurred by the Employer in or for the recovery thereof or the enforcement of this security or otherwise by reason of the default of the Contractor and the Contractor hereby covenants and agrees with the Employer to reply and pay the same respectively to him accordingly.

(8) That the Contractor hereby charges all the said materials with the repayment to the Employer of the said sum of Rupees _____ and any further sum of sums advanced as aforesaid and all costs, charges, damages and expenses payable under these presents PROVIDED ALWAYS and it is hereby agreed and declared that notwithstanding anything in the said agreement and without prejudice to the power contained therein if and whenever the covenant for payment and repayment here-in-before contained shall become enforceable and the money owing shall not be paid in accordance there with the Employer may at any time thereafter adopt all or any of the following courses as he may deem best:

(a) Seize and utilize the said materials or any part thereof in the completion of the said works on behalf of the contractor in accordance with the provision in that behalf contained in the said agreement debiting the contractor with the actual cost of effecting such completion and the amount due to the contractor with the value of work done as if he had carried it out in accordance with the said agreement and at the rates thereby provided. If the balance is against the contractor, he is to pay same to the Employer on demand.

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

Annexure - U
(See clause 35 of Section 3 -GCC)

Physical Completion Certificate

Name of Work:

.....

.....

.....

Agreement NoDate

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

Executive Engineer/Engineer-in-charge

.....

.....

Annexure-V
(See clause 35 of Section 3-GCC)

Final Completion Certificate

Name of Work:

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

Agreement noDate

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).

Agreement 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

Executive Engineer

.....
.....

Annexure - W
(See clause 39 of Section 3 -GCC)

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, Traveling 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.

SECTION 3

Conditions of Contract

Part – II Special Conditions of Contract [SCC]

1. All works shall be carried out in strict accordance to the norms, procedure and specifications issued and enforced by BIS in Relevant Indian Standard specifications and code of Practices with up to date amendments and revisions, latest edition of National building code and National electric code. In addition, the installation shall comply in all respects with the requirements of Indian Electricity Act 1910 and Indian Electricity Rule 1956 with up to date amendments and revisions and special requirements if any of the M.P. State Electricity Board or Chief Electrical Advisor to Government of Madhya Pradesh cum Chief Electrical Inspector and his subordinate office.
2. The contractor shall *make his own arrangements for supply of water and electricity* at his expense required for execution of work. The JSCL shall neither make any such arrangements nor shall make any payments in this regard.
3. The contractor has to *construct at his own cost his site office and store at site on a suitable place and location as permitted by JSCL*. The JSCL shall not provide any place or room in the building under construction for storage of equipment's required for work. No amount shall be paid to the contractor in this regard.
4. *Proper upkeep and maintenance and safety of store and stocks of materials brought at site shall be the sole responsibility of the contractor*. The materials got damaged due to negligence of its up keeping at site or due to mishandling shall have to be replaced by the contractor at his own cost. On discovery of such damages the JSCL shall recover the amount paid through the running bills to the contractor and shall only be reimbursed after the replacement of the same. The JSCL shall also not be responsible for theft of materials from site and the contractor has to replace all such materials at his own cost. No compensation whatsoever shall be payable to the contractor on above grounds.
5. Time being the essence of the contract, the contractor shall *before drawl of agreement prepares a detail time bound work execution program which shall be approved by Engineer in charge*. The contractor has to execute the work in strict accordance to the time bound execution program submitted by him, mutually agreed, approved.
6. Time schedule can be revised by the JSCL for any unforeseen unavoidable reasons whatsoever. It may be necessary to stop the work at certain place due to some unavoidable reasons and restart the work at later date. Such contingencies shall not vitiate the contract and shall not be considered a ground for extra claim for any reason whatsoever. However, time extension shall be allowed only for such days for which the work was stopped by JSCL.
7. The contractor shall not be entitled to any compensation for any loss suffered by him on account of delay in commencement or execution for work whatever the cause of delay may be including delay arising out of other materials, supply of materials, transportation for any

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matter related with MPPKVV Co. Ltd. & Electrical Safety Department or any other reasons whatsoever, the JSCL shall not be liable for any claim in respect thereof.

8. The contractor shall finalize the layout of work, physically at site, and get approved by MPPKVV Co. Ltd. Jabalpur Before placing orders for material. Approval of above layout by MPPKVV Co. Ltd. Jabalpur shall be general and shall not absolve the contractor with responsibility of its correctness.

9. The contractor shall within specified period from the date of issue of work order shall prepare all relevant drawings to be submitted to the applicable office of Electrical Inspector MP Govt or any other competent office for approval. All required sanctions and approvals from the above offices shall have to be obtained by the contractor within the above stipulated period at his own cost.

10. Rate quoted shall be applicable for works at all height unless otherwise specified in the schedule of quantities.

11. The contractor shall submit the drawing in three sets to JSCL for this work duly approved by the Office of the electrical Inspector MP govt. and MPPKVV Co. Ltd. Jabalpur within specified days from the date of work order. The approval of these drawing will be general and will not absolve the contractor of the Responsibility of the correctness of those drawings.

12. The contractor shall submit test reports of the equipment's to be supplied and drawings for approval of the Engineer in charge before supplying/Installation the equipment. The successful tenderer shall also submit the purchase bill of all items as required and directed at no cost.

13. (A) The contractor shall have to arrange all free of cost facilities for the inspection, such as employ or material labor etc. and any fees payable to Government or any competent authority at his own cost. The contractor shall arrange to obtain all sanctions from the concerning office of MPPKVV Co. Ltd. and from the elect. Inspector Govt. of M.P. at his own cost. Any fees in respect of above work paid by the contractor shall not be reimbursed or refunded by the JSCL and no claim for compensation shall be entertained in this regard. Copy of all such sanctions has to be submitted to Engineer In charge JSCL.

(B) The contractor has to arrange factory inspection of all major items as required by Engineer –in-Charge at the manufacturer's works before dispatch of material. Date of inspection should be informed 15 days in advance to JSCL. If required by the Engineer-in-Charge or concerned office of MPPKVV Co. Ltd. or the contractor has to get any equipment or complete installation checked and tested by any Government/Semi Government/ Private authority such as CPRI, BHEL, NABL laboratory, Testing department of MPPKVV Co. Ltd. Jabalpur etc. at his own cost. He shall also provide free of cost all labor, material, equipment's etc. for the purpose of above testing. The contractor shall not be entitled for any compensation on this ground. If required by Engineer-in-Charge contractor will have to arrange for third party inspection of entire installation done by him and he will have to rectify / repair / replace any defects pointed out by inspection agency.

(C) The consultant appointed by JSCL is authorized for following:

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- a) To visit the site from time to time to inspect the quality of work.
 - b) To issue working drawings with specifications to the contractor.
 - c) Technically guide the contractor if required.
 - d) To accompany JSCL officials for factory inspections of material if required.
14. The contractor shall be responsible for removal of all defects and shall make rectification in the work at his own cost if any at the time of handing over the installation to MPVV Co. Ltd. without any claim for compensation.
15. It shall be the duty of the contractor to arrange all clearances from Electrical Inspector MP Govt, to coordinate and peruse the officers of MPPKVV Co. Ltd. for periodical inspections during the currency of contract and final inspection of the work and get the complete installation electrically charged. No extra payment shall be made to the contractor in above account.
16. The contractor at his own cost and efforts shall arrange periodical inspection of work by various officers of MPSEB during course of execution of work and any instruction issued by the officers of MPVV Co. Ltd. shall be communicated to JSCL in writing by the contractor and prior permission shall be taken from JSCL before its compliance.
17. The contractor should note that any delay / on the part of MPPKVV Co. Ltd. on any account what so ever shall not be entertained as a reason for time extensions in case of delay in completion of the work covered under this entire contract. The tenderer should therefore be aware and should not that execution and timely completion of External Electrification work in full coordination with other development and construction works covered under the scope of contract shall be sole responsibility of successful tenderer.
18. The complete installation shall be guaranteed for sixty calendar months after physical completion of work. During this period the contractor will have to maintain & operate entire system at his own cost by employing his manpower and required material without any extra cost to JSCL. The guarantee & maintenance period shall be reckoned from the date of charging and handing over the installation to MPPKVV Co. Ltd (physical completion). The date of handing over the installation to MPPKVV Co. Ltd. by contractor shall be the date of completion of physical work. All Compact type Packaged substations, Transformers, RMUs, VCBs, capacitor banks, feeder pillars, switches, fuses, CTs, PTs, cables, conductors, poles, earthing, lighting fixtures, etc. shall be guaranteed for 60 calendar months from the date of handing over the installation to MPPKVV Co. Ltd (physical completion). The contractor has to replace / repair the faulty or damaged material to the full satisfaction of JSCL/ MPPKVV Co. Ltd. in the event of failure / damage of any item during the said guarantee period.
19. The contractor has to quote his rates for items in strict accordance to the list of approved make of materials. The tenderer has to ensure before filling up the rates regarding their availability and period of delivery.
20. The contractor shall note that during the execution of works there is likelihood in change of layout, specification and change in quantities of items entered in the schedule of items for which the contractor has tendered his rates. The increase or decrease in the quantities of such items may be up to any extent and the tenderer shall not been entitled to any

compensation for any loss suffered by him on account or procurement of additional quantities of such items due to such changes.

21. Time schedule may be revised by the JSCL from time to time keeping in view of the approval of drawings or items or for any reasons whatsoever. It may be necessary to stop the work at certain places due to some unavoidable reasons and restart the work at later date. Such contingencies shall not vitiate the contract and shall not be considered a ground for extra claim.

22. The contractor shall not be entitled to many compensations for any loss suffered by him on account of delay in commencement or execution of work whatever the cause of delay may be including delay arising out of other materials or any reasons whatever and the JSCL shall not be liable for any claim in respect thereof.

23. All dismantled material to be deposited at M.P.P.K.V.V.C.L. store by the contractor without any extra cost.

24. Performance security will be 5% of the contract value. The successful bidder shall bound to submit Performance Security in the form of FDR format scheduled bank or a bank guarantee of 5% of contract value at the time of agreement & in addition to this 5% will be deducted from bills as security deposit. This Performance Security (5%) and security deposit (5%) that is total 10% shall be released after satisfactory completion of the contract after the maintenance period.

SECTION 4

Bill of Quantities (BOQ)

Abstract

Development of Recreational Zone at Sangram Sagar Lake, Jabalpur
(M.P.).

BOQ SUMMARY SHEET		
Sr No	Item Description	Amount (In Rs.)
1	BUILDING WORKS	10599730.00
2	LANDSCAPE WORKS	8352590.18
3	RETAINING WALL	9914265.00
4	ROAD WORKS	5798951.55
5	ELECTRICAL, LIGHTING and OTHER MISCELLANEOUS WORKS	5299865.00
	TOTAL	39965401.73
	SAY RS	40000000.00
	In words	Rupees Four Crore Only

Detailed BoQ Attached as Annexure II

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 meaning 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 where of 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 _____

Appendix 1: Format for Affidavit Certifying no Blacklisting

(On Non - judicial stamp paper of Rs 100/- or such equivalent document duly attested by notary public)

Affidavit

I, M/s. (Sole Bidder / Lead Partner/ Other Member(s), (the names and addresses of the registered office) hereby certify and confirm that we or any of our promoters/directors are not barred by the Employer or blacklisted by any state government or central government / department / funding agency in India from participating in projects, either individually or as partner of a Joint Venture as on the(*seven days prior to date for close for bidding*).

We undertake that, in the event of us or any of our promoters/directors being blacklisted / barred at any time post the date of this affidavit, we shall intimate the Employer of such blacklisting.

We further confirm that we are aware that as per Clause 25 of the Tender for Selection of Contractor for _____, our Bid for the captioned project would be liable for rejection in case any material misrepresentation is made or discovered with regard to the requirements of the bid document at any stage of the bidding process or thereafter the contract agreement will be liable for termination.

Dated thisDay of, 2018.

Name of the Bidder

.....

Signature of the Authorised Signatory

.....

Name of the Authorised Signatory

Note:

- To be executed separately by all the partners in case of joint venture.

Appendix 2

Note: The detailed and signed CV's of all the Key Technical Personnel, recently signed (not older than 3 months from the due date of submission of bid) by the key personnel himself, must be furnished along with the bid as per proforma given below. Non-compliance of the above or non-furnishing of the CV as above or conditional deployment of any of the above personnel or proposal to employ lesser number of personnel than above may make the bid non responsive and financial bid may not be opened.

Format of Curriculum Vitae (CV) For Proposed Key Staff

1. Proposed Position:

2. Name of Staff:

3. Date of Birth: _____ **(Please furnish proof of age)**

4. Nationality:

5. Educational Qualification:

(Summarize college/university and other specialized education of staff member, giving names of schools, dates attended and degrees obtained). (Please furnish proof of qualification)

Contact Address with Phone and mobile numbers:

6. Membership of Professional Societies:

7. Publication:

(List of details of major technical reports/papers published in recognized national and international journals)

8. Employment Record:

*(Starting with present position, list in reversed order, every employment held. List all positions held by staff member since graduation, giving dates, names of employing organization, title of positions held and location of assignments. For experience **period of specific assignment must be clearly mentioned**, also give client references, where appropriate).*

9. Summary of the CV

(Furnish a summary of the above CV. The information in the summary shall be precise and accurate. The information in the summary will have bearing on the evaluation of the CV).

A) Education:

i) Field of Diploma/Graduation and year

ii) Field of post-graduation and year

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iii) Any other specific qualification

B) Experience

i) Total experience in relevant Works: _____ Yrs.

ii) Responsibilities held:

i) _____ Yrs.

ii) _____ Yrs.

iii) _____ Yrs.

iii) Relevant Experience: _____ Yrs.

C) Permanent Employment with the Firm (Yes/No):

If yes, how many years:

If no, what is the employment?

Arrangement with the firm?

Certification:

1 I am willing to work on the project and I will be available for entire duration of the project assignment and I will not engage myself in any other assignment during the currency of this assignment on the project

2 I, the undersigned, certify that to the best of my knowledge and belief, this bio-data correctly describes myself my qualification and my experience.

Signature of the Candidate _____

Place _____

Date

Signature of the Authorized Representative of the firm _____

Place _____

Date

Note: Each page of the CV shall be signed in ink by both the staff member and the Authorized Representative of the firm.