



# KAKINADA SMART CITY CORPORATION LIMITED



## National Competitive Bidding

### REQUEST FOR PROPOSAL (RFP) RFP No. KSCCL/ YETIMOGA SEWERAGE/2017/2 Country: INDIA

Name of the Work - Providing Sewerage System with STP including O & M for 5 years @  
Yetimoga in Kakinada

**Dated: 13 -07-2017**



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Managing Director  
M/s KSCCL,  
Kakinada-533001

**RFP Notification****KAKINADA SMART CITY CORPORATION LIMITED**

Notification No. KSCCL/SMART CITY/2017 Dt.06-07-2017

Bids are invited from Eligible Bidders for the following item of works

1. Up-gradation of Primary School Infrastructure
2. Reclamation of Parlopeta MSW Dumpsite through Bio-Mining Process in Kakinada Municipal Corporation
3. Re-Development with additional Facilities to a) Peddda Market b) Kottapeta and c) Gandhinagar Markets
4. Providing Sewerage system with STP including O&M for 5 years at Yetimoga in Kakinada
5. Build, Operate and maintain Biogas based captive Power Plant for handling 5 TPD Municipal Solid Waste
6. Design, Develop, Implement and Maintenance of Health records (E-Health) of Government Hospitals in Kakinada
7. Construction of Two Lane Road Bridge at Prathapnagar, Kakinada
8. Development of Arterial Road from Sarpavaram Junction to Jaganadhapuram Bridge via RTA Office, Diary farm junction, Port Railway gate as per design IRC 86-1983 for Urban Roads
9. Urban Street Scaping of main road from Sarpavaram Junction to Balayogi Statue Junction” as Smart Street

The proposals can be submitted online e-tendering process through e-procurement portal [www.apecurement.gov.in](http://www.apecurement.gov.in) from 13<sup>th</sup> July 2017 onwards.

For communication, contact us through mails [smartcityofficekdd@gmail.com](mailto:smartcityofficekdd@gmail.com) & [kakinadacorporation@gmail.com](mailto:kakinadacorporation@gmail.com) , Web site: [kakinada.cdma.ap.gov.in](http://kakinada.cdma.ap.gov.in)

Sd/ xxxxxxxxxx  
Managing Director,  
KSCCL, Kakinada

## Key Dates

S. No.	Activity	Key Date*	Time
1	Release of RFP	15 <sup>th</sup> July 2017	11:00
2	RFP Availability in E Procurement	25 <sup>th</sup> July 2017	16:00
3	Last date of receipt of queries on RFP	19 <sup>th</sup> July 2017	17:00
4	Pre-bid Meeting date Venue: Conference Hall, Municipal Corporation, Cinema road, Kakinada AP, India	21 <sup>st</sup> July 2017	11:00
5	Posting of response to queries	21 <sup>st</sup> July 2017	17:00
6	Last date for submission of Bids - Electronically	25 <sup>th</sup> July 2017	17:00
7	Physical Submission	27 <sup>th</sup> July 2017	11:00
8	Date of opening of technical bids (online)	27 <sup>th</sup> July 2017	11:30
9	Date of opening of Commercial bids (online)	29 <sup>th</sup> July 2017	11:00
10	Officer Inviting Bids	Managing Director, KSCCL, Kakinada	

For more details contact:

Kakinada Smart City Corporation Ltd.

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# **PART 1 – Bidding Procedures**

# Section I - Instructions to Bidders

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## Section I - Instructions to Bidders

<b>A. General</b>	
<b>1. Scope of Bid</b>	<p>1.1 With reference to the RFP notice, specified in the <b>Bid Data Sheet (BDS)</b>, the KSCCL, as specified <b>in the BDS</b>, issues this Bidding document for the provision of Works as specified in Section V, Work's Requirements. The name, identification, and number of lots (contracts) of this RFP are specified <b>in the BDS</b>.</p> <p>1.2 Throughout this bidding document:</p> <ol style="list-style-type: none"> <li>a. the term "in writing" means communicated in written form (e.g. by mail, e-mail, fax, including, if specified <b>in the BDS</b>, distributed or received through electronic-procurement system used by the KSCCL) with proof of receipt;</li> <li>b. if the context so requires, "singular" means "plural" and vice versa; and</li> <li>c. "Day" means calendar day, unless otherwise specified as a "Business Day." A Business Day is any day that is a working day of GoAP. It excludes the GoAP's official public holidays.</li> </ol>
<b>2. Fraud and Corruption</b>	<p>2.1 KSCCL requires compliance with the Indian Penal Code 1860 and Prevention of Corruption Act 1988. KSCCL defines, for the purposes of this provision, the terms set forth below as follows</p> <ol style="list-style-type: none"> <li>a. "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and</li> <li>b. "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Department, and includes collusive practice among bidders (prior to or after tender submission) designed to establish bid prices at artificial non-competitive levels and to deprive the benefits of free and open competition.</li> </ol> <p>2.2 Any effort by a bidder to influence the Department in the Department's bid evaluation, bid comparison or contract award decisions may result in rejection of the bidder's tender.</p> <p>2.3 The Department will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question</p> <p>2.4 In further pursuance of this policy, bidders shall permit and shall cause their agents (where declared or not), subcontractors, sub consultants, service providers, suppliers, and their personnel, to permit KSCCL to inspect all accounts, records and other documents relating to any initial selection process, prequalification process, bid submission, proposal</p>



	<p>submission, and contract performance (in the case of award), and to have them audited by auditors appointed by KSCCL.</p>
<p><b>3. Eligible Bidders</b></p>	<p>3.1 A Bidder may be an Individual or a firm that is a private entity, a state-owned enterprise or institution or any combination of such entities in the form of a joint venture (JV) under an existing agreement or with a new JV agreement entered solely for the purpose of the said bid. In the case of a joint venture, all members shall be jointly and severally liable for the execution of the entire Contract in accordance with the Contract terms. The JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the Bidding process and, in the event the JV is awarded the Contract, during contract execution. The Maximum number of JV members eligible is specified <b>in the BDS</b>.</p> <p>3.2 A Bidder shall not have a conflict of interest. Any Bidder found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest for the purpose of this Bidding process, if the Bidder:</p> <ul style="list-style-type: none"> <li>(a) directly or indirectly controls, is controlled by or is under common control with another Bidder; or</li> <li>(b) has the same legal representative as another Bidder; or</li> <li>(c) has a relationship with another Bidder, directly or through common third parties, that puts it in a position to influence the Bid of another Bidder, or influence the decisions of the Employer regarding this Bidding process; or</li> <li>(d) has a close business or family relationship with a professional staff of the KSCCL who: (i) are directly or indirectly involved in the preparation of the Bidding document or specifications of the Contract, and/or the Bid evaluation process of such Contract; or (ii) would be involved in the implementation or supervision of such Contract.</li> </ul> <p>3.3 A firm that is a Bidder (either individually or as a JV member) shall not participate in more than one Bid, except for permitted alternative Bids. This includes participation as a subcontractor in other Bids. Such participation shall result in the disqualification of all Bids in which the firm is involved.</p> <p>3.4 A Bidder shall be an Indian national, subject to the restrictions pursuant to ITB 3.5. A Bidder shall be deemed to have the nationality India if the Bidder is constituted, incorporated or registered in and operates in conformity with the provisions of the laws of India, as evidenced by its articles of incorporation (or equivalent documents of constitution or association) and its registration documents, as the case may be.</p>

	<p>3.5 The bidder shall not have been blacklisted by any of the Central government/ State government/ Semi- government/ PSU's of central/ state governments.</p> <p>3.6 VOID.</p> <p>3.7 A Bidder shall provide such documentary evidence of eligibility satisfactory to the KSCCL, as the KSCCL shall reasonably request.</p>
	<p><b>B. Contents of Bidding Document</b></p>
<p><b>4. Sections of Bidding Document</b></p>	<p>4.1 The Bidding document consists of Volume I and II which includes all the sections specified below, and which should be read in conjunction with any Addenda issued in accordance with ITB 6.</p> <p><b>Volume I</b></p> <p><b>PART 1 Bidding Procedures</b></p> <ul style="list-style-type: none"> <li>• Section I - Instructions to Bidders (ITB)</li> <li>• Section II - Bid Data Sheet (BDS)</li> <li>• Section III - Evaluation and Qualification Criteria</li> <li>• Section IV -Bidding Forms</li> </ul> <p><b>PART 2 Works Requirements</b></p> <ul style="list-style-type: none"> <li>• Section V - Scope of Work</li> </ul> <p><b>PART 3 Conditions of Contract and Contract Forms</b></p> <ul style="list-style-type: none"> <li>• Section VI - General Conditions(GC)</li> <li>• Section VII- Special Conditions of Contract(SCC)</li> <li>• Section VIII - Contract Forms</li> </ul> <p><b>Annexure 1: Specifications</b></p> <p><b>Annexure 2: Drawings</b></p> <p>4.2 The Request for Proposal (RFP) issued by the KSCCL is not part of the Bidding document.</p> <p>4.3 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding document and its updates on web portal to furnish with its Bid, all information and documentation as is required by the Bidding document.</p>
<p><b>5. Clarification of Bidding Document, Site</b></p>	<p>5.1 A Bidder requiring any clarification of the Bidding document shall contact the KSCCL in writing at the address specified <b>in the BDS</b> or raise it in writing during the pre-Bid in writing. The KSCCL will respond in writing to any request for clarification, provided that such request is received prior</p>

<p><b>Visit, Pre-Bid Meeting</b></p>	<p>to the deadline specified in Key Dates. The KSCCL shall upload the responses online in the AP e-procurement portal and its website and through mails to the intended bidder who have attended the pre-bid meeting or who have raised queries. It is the bidder's responsibility to check the portal regularly for any updates/postings. KSCCL will not hold any responsibility of posting the same to individual bidders.</p> <p>5.2 The Bidder is advised to visit and examine 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 Works. The costs of visiting the Site shall be at the Bidder's own expense.</p> <p>5.3 The Bidder and any of its personnel or agents will be granted permission by the KSCCL to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the Bidder, its personnel, and agents will release and indemnify the KSCCL and its personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection</p> <p>5.4 The Bidder's designated representative is invited to attend a pre-Bid meeting and/or a Site of Works visit. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.</p> <p>5.5 The Bidder is requested to submit any questions in writing, to reach the KSCCL not later than the time specified in 'Key Dates'.</p> <p>5.6 Minutes of the pre-Bid meeting, if applicable, including the text of the questions asked by Bidders, without identifying the source, and the responses given, together with any responses prepared after the meeting, shall also publish the clarifications as given in ITB 5.1 and Minutes of the pre-Bid meeting at the web page identified in <b>the BDS</b>. Any modification to the Bidding document that may become necessary as a result of the pre-Bid meeting shall be made by the KSCCL exclusively through the issue of an Addendum pursuant to ITB 6 and not through the minutes of the pre-Bid meeting. Non-attendance at the pre-Bid meeting will not be a cause for disqualification of a Bidder.</p>
<p><b>5.A. Sufficiency of the Bid</b></p>	<p>The Contractor shall be deemed to have satisfied himself before bidding as to the correctness and sufficiency of his tender for the Scope of Work.</p>
<p><b>6. Amendment of Bidding Document</b></p>	<p>6.1 At any time prior to the deadline for submission of Bids, KSCCL may amend the Bidding document by issuing addenda.</p> <p>6.2 Any addendum and / or clarifications issued shall be part of the Bidding document and shall be uploaded on the e-procurement portal (as</p>

	specified in key dates) in accordance with ITB 4.3. KSCCL shall also publish the addendum on the web page in accordance with ITB 5.6.
	<b>C. Preparation of Bids</b>
<b>7. Cost of Bidding</b>	<p>7.1 The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the KSCCL shall not be responsible or liable for those costs, regardless of the conduct or outcome of the Bidding process.</p> <p><b>7.2 Transaction Fee:</b> It is mandatory for all the participating bidders to pay electronically the Transaction fee to M/s Vupadi Techno Service (P) Ltd through "Payment Gateway Service on E-Procurement platform". The Electronic Payment Gateway accepts all Master and Visa card issued by any bank and Direct Debit facility / Net Banking of ICICI Bank, HDFC to facilitate the transaction. This is in compliance as per G.O Ms No 13 IT &amp; C Dept, dated 5-7-2006. A Service Tax of 15 % + Bank Charges for Credit Card Transaction of 1.85% on the transaction Amount payable to M/s Vupadi Techno Service (P) Ltd shall be applicable which is non-refundable. The Transaction fee payable is specified <b>in the BDS</b>.</p> <p><b>7.3 Bid Processing Fee:</b> A bidding processing fee is payable by the bidder in the form of a Demand Draft drawn in the name of Kakinada Smart City Corporation Limited payable at Kakinada. Scanned Copy of the demand draft shall be uploaded during the bid submission and shall be physically submitted along with the bid. The Bid Processing fee payable is specified <b>in the BDS</b>.</p>
<b>8. Language of Bid</b>	8.1 The Bid, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the KSCCL, shall be in English.
<b>9. Documents Comprising the Bid</b>	<p>9.1 The Bid shall comprise the following:</p> <ul style="list-style-type: none"> <li>(a) <b>Letter of Bid</b> prepared in accordance with ITB 10;</li> <li>(b) <b>Schedules</b> including Bill of Quantities, completed in accordance with ITB 10 and ITB 12;</li> <li>(c) <b>Bid Security</b> in accordance with ITB 17.1;</li> <li>(d) <b>Authorization:</b> written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB.3;</li> <li>(e) <b>Qualifications:</b> documentary evidence in accordance with ITB 15 establishing the Bidder's qualifications to perform the Contract if its Bid is accepted;</li> <li>(f) <b>Conformity:</b> a technical proposal in accordance with ITB 14;</li> <li>(g) Any other document required <b>in the BDS</b>.</li> </ul>

	<p>9.2 In addition to the requirements under ITB 9.1, Bids submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members</p>
<p><b>10. Letter of Bid and Schedules</b></p>	<p>10.1 The Letter of Bid and Schedules, including the Bill of Quantities, shall be prepared using the relevant forms furnished in Section IV, Bidding Forms. The forms must be completed without any alterations to the text, and no substitutes shall be accepted except as provided under ITB 18.3. All blank spaces shall be filled in with the information requested.</p>
<p><b>11. Alternative Bids</b></p>	<p>11.1 No alternative Bids shall be considered. Bidders submitting unsolicited alternative proposals will be summarily rejected.</p>
<p><b>12. Bid Prices and Discounts</b></p>	<p>12.1 The prices quoted by the Bidder in the Letter of Bid and in the Bill of Quantities shall conform to the requirements specified below.</p> <p>12.2 The Bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by the Bidder shall be deemed covered by the rates for other items in the Bill of Quantities and will not be paid for separately by the Employer.</p> <p>12.3 The price to be quoted in the Letter of Bid, in accordance with ITB 10.1, shall be the total price of the Bid.</p> <p>12.4 VOID</p> <p>12.5 Unless otherwise specified <b>in the BDS</b> and the Conditions of Contract, the rates and prices quoted by the Bidder are fixed.</p> <p>12.6 If so specified in ITB 1.1, Bids are being invited for individual lots (contracts) or for any combination of lots (packages). Bidders wishing to offer discounts for the award of more than one Contract shall specify in their Bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Discounts shall be submitted in accordance with ITB 12.4, provided the Bids for all lots (contracts) are opened at the same time.</p> <p>12.7 All duties, taxes as mentioned in ITB 12.A, and other levies payable by the Contractor under the Contract, or for any other cause, as of the date shall be included in the rates and prices and the total Bid Price submitted by the Bidder.</p> <p>12.8 The quantities mentioned in the BOQ are tentative. The variation in BOQ may be + or – 15%. The Bidder has to execute additional works which are not covered in the BOQ but necessary for completion of the work and as per the direction of the KSCCL authority. The rate of that particular item will be paid as per the SOR of 2016-17 of Govt of AP for item covered in the SOR and least quotation for the item not covered in the SOR.</p>

	<p>12.8 As part of the Contract Price, the Contractor shall, in connection with the Work, include all taxes as applicable (like GST and/or sales tax, octroi, Labour Cess, all applicable duties, works contract tax and any other taxes including sales tax on the Work, VAT, levies or royalties or Seignorage etc.. payable on the materials and equipment forming part of the Work), now or hereafter imposed, increased or modified from time to time and shall also include any other statutory obligations and no claims on this account shall be entertained or allowed at any stage subsequently.</p> <p>12.9 Taxes, charges, Cess etc. including (but not limited to) Work Contract Tax (WCT), Seignorage/ Sales tax/ Labour Cess and any other charges as may be applicable from time to time at the prevailing rates shall be deducted or reimbursed from all payments made to the Contractor. Contractor shall provide Form "C", Form "38" or any other forms and comply with all the formalities that may be required by the Central/State Government for procurement of Owner supplied material.</p> <p>All duties, insurances, taxes, and other levies payable by the Implementing Agency under the Contract, or for any other cause, as of the date of submission of bids, shall be included in the total bid price submitted by the Bidder. Bidder should be aware of its tax liability in the Client's country/state (in which he is working) should be reflected in the Contract. No additional claims will be entertained or allowed at any stage subsequently.</p>
<p><b>13. Currencies of Bid and Payment</b></p>	<p>13.1 The currency of the Bid and the currency of payments shall be in Indian Rupees.</p>
<p><b>14. Documents Comprising the Technical Proposal</b></p>	<p>14.1 The Bidder shall furnish a technical proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in Section IV, Bidding Forms, in sufficient detail to demonstrate the adequacy of the Bidder's proposal to meet the work's requirements and the completion time.</p>
<p><b>15. Documents Establishing the Eligibility and Qualifications of the Bidder</b></p>	<p>15.1 To establish Bidder's eligibility in accordance with ITB 3, Bidders shall complete the Letter of Bid, included in Section IV, Bidding Forms and submit true copies of all relevant documents as mentioned.</p> <p>15.2 In accordance with Section III, Evaluation and Qualification Criteria, to establish its qualifications to perform the Contract the Bidder shall provide the information requested in the corresponding information sheets included in Section IV, Bidding Forms.</p>

<p><b>16. Period of Validity of Bids</b></p>	<p>16.1 Bids shall remain valid for the Bid Validity period specified <b>in the BDS</b>. The Bid Validity period starts from the date fixed for the Bid submission deadline (as prescribed by the KSCCL in accordance with ITB 20). A Bid valid for a shorter period shall be rejected by the KSCCL as nonresponsive.</p> <p>16.2 In exceptional circumstances, prior to the expiration of the Bid validity period, KSCCL may request Bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing. If a Bid Security is requested in accordance with ITB 17, it shall also be extended for thirty days (30 days) beyond the deadline of the extended validity period. A Bidder may refuse the request without forfeiting its Bid security. A Bidder granting the request shall not be required or permitted to modify its Bid.</p>
<p><b>17. Bid Security</b></p>	<p>17.1 The Bidder shall furnish as part of its Bid, a Bid Security as specified <b>in the BDS</b> in the amount as specified <b>in the BDS</b>.</p> <p>17.2 The Bid Security shall be paid in the form of an unconditional Bank guarantee issued by a nationalized bank or scheduled/ commercial bank drawn in favour of Kakinada Smart City Corporation Limited payable at Kakinada.</p> <p>The Bid Security shall be submitted using the Bid Security Form included in Section IV, Bidding Forms, The Bid Security shall be valid for thirty days (30 days) days beyond the original validity period of the Bid, or beyond any period of extension if requested under ITB 16.2.</p> <p>17.3 If a Bid Security specified pursuant to ITB 17.1 is not submitted along with the bid then the bid shall be rejected as non-responsive</p> <p>17.4 If a Bid Security is specified pursuant to ITB 17.1, the Bid Security of unsuccessful Bidders shall be returned within 60 days of award of work to the successful bidder</p> <p>17.5 VOID</p> <p>17.6 The Bid Security may be forfeited-</p> <ul style="list-style-type: none"> <li>c. if a Bidder withdraws its Bid during the period of Bid validity specified by the Bidder on the Letter of Bid, or any extension thereto provided by the Bidder; or</li> <li>d. if the successful Bidder fails to: <ul style="list-style-type: none"> <li>(i) sign the Contract in accordance with ITB 40; or</li> <li>(ii) furnish a Performance Security</li> </ul> </li> </ul> <p>17.7 The Bid Security of a JV shall be in the name of the JV that submits the Bid.</p>
<p><b>18. Format and Signing of Bid</b></p>	<p>18.1 The Bidder shall prepare one original of the documents comprising the Bid as described in ITB 9 and clearly mark it "ORIGINAL." In addition, the Bidder</p>

	<p>shall submit copies of the Bid, in the number specified <b>in the BDS</b> and clearly mark them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.</p> <p>18.2 Bidders shall mark as "CONFIDENTIAL" all information in their Bids which is confidential to their business. This may include proprietary information, trade secrets, or commercial or financially sensitive information.</p> <p>18.3 The original and all copies of the Bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign (with blue colour pen only) on behalf of the Bidder. This authorization shall consist of a written Power of Attorney and shall be attached to the Bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the Bid where entries or amendments have been made shall be signed or initialled by the person signing the Bid (with blue colour pen only).</p> <p>18.4 In case the Bidder is a JV, the Bid shall be signed by an authorized representative of the JV on behalf of the JV, and so as to be legally binding on all the members as evidenced by a power of attorney signed by their legally authorized representatives.</p> <p>18.5 Any inter-lineation, erasures, or overwriting shall be valid only if they are signed or initialled by the person signing the Bid.</p>
	<p><b>D. Submission and Opening of Bids</b></p>
<p><b>19. Sealing and Marking of Bids</b></p>	<p>19.1 Unless specified in BDS in detail about submission process of the bid the following is to be followed.</p> <p>19.2 The Bids needs to be submitted on the e-tendering portal i.e., <a href="https://tender.apecurement.gov.in">https://tender.apecurement.gov.in</a>.</p> <p>19.3 (A) Physical bid submission should be by hand shall enclose the original of the Technical Bid and copy of the Technical Bid in separate sealed envelopes, duly marking the envelopes as "ORIGINAL - TECHNICAL BID", and "COPY NO... - TECHNICAL BID". These envelopes, the first containing the originals and the others containing copies, shall then be enclosed in one single envelope per set. If permitted in accordance with ITB 11, alternative bids shall be similarly sealed, marked and included in the sets. The rest of the procedure shall be in accordance with ITB 19.4 and 19.7.</p> <p>(B) Bidders submitting bids electronically shall follow the electronic bid submission procedures specified in the BDS.</p> <p>19.4 The inner and outer envelopes shall:</p> <ul style="list-style-type: none"> <li>(a) bear the name and address of the Bidder;</li> <li>(b) be addressed to the Employer in accordance with BDS 20.1 and</li> </ul>



	<p>(c) bear the specific identification of this bidding process indicated in the BDS 1.1</p> <p>19.5 The outer envelopes and the inner envelopes containing the Technical Bid shall bear a warning not to open before the time and date for the opening of Technical Bid, in accordance with ITB 23</p> <p>19.6 VOID</p> <p>19.7 If all envelopes are not sealed and marked as required, the Employer will assume no responsibility for the misplacement or premature opening of the bid.</p> <p>19.8 All pages in the bid should be numbered appropriately in serial order</p>
<b>20. Deadline for Submission of Bids</b>	<p>20.1 Bids must be received by KSCCL at the address and no later than the date and time specified in the BDS.</p> <p>20.2 KSCCL may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding document in accordance with ITB 6, in which case all rights and obligations of KSCCL and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.</p>
<b>21. Late Bids</b>	<p>21.1 KSCCL shall not consider any Bid that arrives after the deadline for submission of Bids, in accordance with ITB 20. Any Bid received by KSCCL after the deadline for submission of Bids shall be declared late, rejected.</p> <p>21.2 Bidders are encouraged to submit their bids well in advance and avoid last minute rush resulting in “non responsive website/ slow uploading/ server down/ server not working etc.” or any other case as it may be during the submission of the bids online on the e-procurement system. KSCCL will not be responsible for occurrence of any of the above events.</p> <p>21.3 Evaluation of bids shall be based on the uploaded document. if there is any discrepancy between the physical and online documents, documents submitted online ONLY will prevail.</p>
<b>22. Withdrawal, Substitution, &amp; Modification of Bids</b>	<p>22.1 The Bidder may/will not be allowed to withdraw, substitute and modify their bid after it has been submitted and accepted by KSCCL. Any withdrawal of bids will be result in forfeit of Bid security.</p>
<b>23. Bid Opening</b>	<p>23.1 Except in the cases specified in ITB 21 and ITB 22, KSCCL shall publicly open and read out in accordance with this ITB all Bids received by the deadline, at the date, time and place specified <b>in the BDS</b>, in the presence of Bidders` designated representatives.</p> <p>23.2 All envelopes shall be opened one at a time, reading out: the name of the Bidder and responsiveness of the bid.</p>

	<b>E. Evaluation and Comparison of Bids</b>
<b>24. Confidentiality</b>	<p>24.1 Information relating to the evaluation of Bids and recommendation of contract award shall not be disclosed to Bidders or any other persons not officially concerned with the Bidding process.</p> <p>24.2 Any effort by a Bidder to influence the KSCCL in the evaluation of the Bids or Contract award decisions may result in the rejection of its Bid.</p>
<b>25. Clarification of Bids</b>	<p>25.1 To assist in the examination, evaluation, and comparison of the Bids, and qualification of the Bidders, KSCCL may, at its discretion, ask any Bidder for a clarification of its Bid, given a reasonable time for a response. Any clarification submitted by a Bidder that is not in response to a request by KSCCL shall not be considered. KSCCL's request for clarification and the response shall be in writing.</p> <p>25.2 If a Bidder does not provide clarifications of its Bid by the date and time set in KSCCL's request for clarification, its Bid may be rejected.</p>
<b>26. Deviations, Reservations, and Omissions</b>	<p>26.1 During the evaluation of Bids, the following definitions apply:</p> <ul style="list-style-type: none"> <li>(a) "Deviation" is a departure from the requirements specified in the Bidding document;</li> <li>(b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding document; and</li> <li>(c) "Omission" is the failure to submit part or all of the information or documentation required in the Bidding document.</li> </ul>
<b>27. Determination of Responsiveness</b>	<p>27.1 KSCCL's determination of a Bid's responsiveness is to be based on the contents of the Bid itself, as defined in ITB 9.</p> <p>27.2 A substantially responsive Bid is one that meets the requirements of the Bidding document without material deviation, reservation, or omission.</p> <p>27.3 The KSCCL shall examine the technical aspects of the Bid submitted in accordance with ITB 14, in particular, to confirm that all requirements of Section V, Scope of Work have been met without any material deviation, reservation or omission.</p> <p>27.4 If a Bid is not substantially responsive to the requirements of the Bidding document, it shall be rejected by KSCCL.</p>
<b>28. Correction of Arithmetical Errors</b>	<p>28.1 Provided that the Bid is substantially responsive, KSCCL shall correct arithmetical errors on the following basis:</p> <ul style="list-style-type: none"> <li>(a) if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected,</li> </ul>

	<p>(b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and</p> <p>(c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.</p> <p>28.2 Bidders shall be requested to accept correction of arithmetical errors. Failure to accept the correction in accordance with ITB 28.1, shall result in the rejection of the Bid.</p>
<p><b>29. VOID</b></p>	
<p><b>30. Subcontractors</b></p>	<p>30.1 Unless otherwise stated <b>in the BDS</b>, KSCCL does not intend to execute any specific elements of the Works by subcontractors selected in advance by the KSCCL.</p> <p>30.2 Bidders may propose subcontracting up to the percentage of total value of contracts or the volume of works as specified <b>in the BDS</b>. Subcontractors proposed by the Bidder shall be fully qualified for their parts of the Works.</p> <p>30.3 The subcontractor's qualifications shall not be used by the Bidder to qualify for the Works unless their specialized parts of the Works were previously designated by the KSCCL <b>in the BDS</b> as can be met by subcontractors referred to hereafter as 'Specialized Subcontractors', in which case, the qualifications of the Specialized Subcontractors proposed by the Bidder may be added to the qualifications of the Bidder.</p>
<p><b>31. Evaluation of Bids</b></p>	<p>31.1 KSCCL shall use the criteria and methodologies listed in this ITB and Section III, Evaluation and Qualification Criteria. No other evaluation criteria or methodologies shall be permitted. By applying the criteria and methodologies KSCCL shall determine the Most Advantageous Bid in accordance with ITB 36.</p> <p>31.2 To evaluate a bid KSCCL shall consider the following:</p> <p>(a) The selection is based on Least Cost Based selection (LCS) as <b>specified in BDS</b></p> <p>(b) The evaluation committee shall evaluate the technical proposals on the basis of their responsiveness to the Terms of Reference, applying the evaluation criteria, sub-criteria, and point system <b>specified in BDS</b>. Each responsive Proposal will be given a technical score (St). A Proposal shall be rejected at this stage if it does not respond to important aspects of the RFP, and particularly the Terms of Reference or if it fails to achieve the minimum technical score <b>specified in the BDS</b>.</p>

	<p>(c) The bidders who score minimum qualifying score or more as <b>specified in the BDS</b> shall be treated at par and be considered technically qualified are eligible for opening of financial bid. Financial bids of only those bidders who are qualified in Technical will be opened.</p> <p>(d) The bid price, excluding Provisional Sums and the provision, if any, for contingencies in the Summary Bill of Quantities (BoQ), Activity Schedule, but including all works items, where priced competitively;</p> <p>(e) price adjustment for correction of arithmetic errors in accordance with ITB 28;</p> <p>(f) any other additional evaluation factors specified <b>in the BDS</b> and Section III, Evaluation and Qualification Criteria.</p> <p>31.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in bid evaluation.</p>
<p><b>32. Comparison of Bids</b></p>	<p>32.1 KSCCL shall compare the evaluated costs of all substantially responsive Bids established in accordance with ITB 31.2 to determine the Bid that has the lowest evaluated cost.</p>
<p><b>33. Abnormally Low Bids</b></p>	<p>33.1 An Abnormally Low Bid is one where the Bid price, in combination with other elements of the Bid, appears so low that it raises material concerns as to the capability of the Bidder in regards to the Bidder's ability to perform the Contract for the offered Bid Price.</p> <p>33.2 In the event of identification of a potentially Abnormally Low Bid, KSCCL shall seek written clarifications from the Bidder, including detailed price analyses of its Bid price in relation to the subject matter of the contract, scope, proposed methodology, schedule, allocation of risks and responsibilities and any other requirements of the Bidding document.</p> <p>33.3 <i>After evaluation of the price analyses, taking into consideration the schedule of estimated Contract payments, the KSCCL may require that the amount of the performance security be increased at the expense of the Bidder to a level sufficient to protect the KSCCL against financial loss in the event of default of the successful Bidder under the Contract.</i> If the increased amount of the performance security is not acceptable to the successful bidder, the KSCCL may in writing reject the bid of the successful bidder and in such case the next ranked bidder may be called for the negotiations and if such situation still persists the next placed bidder may be called for negotiations and so on till the finalization of the contract or the KSCCL may cancel the bidding process and recall the RFPs.</p> <p>33.4 If the bid price is abnormally low i.e., more than 15% less than the KSCCL estimated value, the bidder should deposit an additional security deposit</p>

	for an equivalent amount of deference between the 15% and quoted price as per ITB 42.
<b>34. Unbalanced or Front Loaded Bids</b>	<p>34.1 If the Bid that is evaluated as the lowest evaluated cost is, in KSCCL's opinion, seriously unbalanced or front loaded, the KSCCL may require the Bidder to provide written clarifications. Clarifications may include detailed price analyses to demonstrate the consistency of the Bid prices with the scope of works, proposed methodology, schedule and any other requirements of the Bidding document.</p> <p>34.2 After evaluation of the price analyses, taking into consideration the schedule of estimated Contract payments, the KSCCL may require that the amount of the performance security be increased at the expense of the Bidder to a level sufficient to protect the KSCCL against financial loss in the event of default of the successful Bidder under the Contract. If the increased amount of the performance security is not acceptable to the successful bidder, the KSCCL may in writing reject the bid of the successful bidder and in such case the next ranked bidder may be called for the negotiations and if such situation still persists the next placed bidder may be called for negotiations and so on till the finalization of the contract or the KSCCL may cancel the bidding process and recall the RFPs.</p> <p>34.3 If the component wise price in the bid is unbalanced or front loaded by less than 15%, the bidder should deposit an additional Performance security for an equivalent amount of 1.5 times of the difference between the estimated price and quoted price for the unbalanced component. As per ITB 42</p>
<b>35. Qualifications of the Bidder</b>	<p>35.1 KSCCL shall determine to its satisfaction whether the eligible Bidder that is selected meets the qualifying criteria specified in Section III, Evaluation and Qualification Criteria.</p> <p>35.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB 15. The determination shall not take into consideration the qualifications of other firms such as the Bidder's subsidiaries, parent entities, affiliates, subcontractors (other than Specialized Subcontractors if permitted in the Bidding document), or any other firm(s) different from the Bidder.</p>
<b>36. Most Advantageous Bid</b>	36.1 Having compared the evaluated costs of Bids, KSCCL shall determine the Most Advantageous Bid. The Most Advantageous Bid is the Bid of the Bidder that meets the Evaluation criteria as per Section III.
<b>37. KSCCL's Right to Accept Any Bid, and to Reject Any or All Bids</b>	37.1 KSCCL reserves the right to accept or reject any Bid and to annul the Bidding process and reject all Bids at any time prior to Contract Award, without thereby incurring any liability to Bidders. In case of annulment, all Bids submitted and specifically, Bid securities, shall be promptly returned to the Bidders.

<b>38. Notice of Intention to Award</b>	38.1 After determination of Most Advantageous Bid as per ITB 36 KSCCL will issue Letter of Award to the successful bidder.
<b>F. Award of Contract</b>	
<b>39. Award Criteria &amp; Notification of Award.</b>	39.1 Subject to ITB41, KSCCL shall award the Contract to the successful Bidder. This is the Bidder whose Bid has been determined to be the Most Advantageous Bid. KSCCL will issue Letter of Award to the Most Advantageous Bid
<b>40. Signing of Contract</b>	<p>40.1 Promptly upon Notification of Award, the successful bidder shall within 4 days submit Letter of Acceptance of work and within 10 days enter in to the agreement with the KSCCL after duly submitting the performance bank guarantee and completion of any other formalities.</p> <p>40.2 Within 3 working days from entering into the contract agreement, KSCCL will issue a Work Order duly indicating the commencement date. Unless otherwise specified the date of commencement of work is the date of issue of Work Order.</p>
<b>41. Performance Bank Guarantee</b>	<p>42.1 Within 10 days of the receipt of the Letter of Award from KSCCL, the successful Bidder shall furnish the Performance Security as mentioned in accordance with the General Conditions of Contract, subject to ITB 34</p> <p>42.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. In that event, the KSCCL may award the Contract to the Bidder offering the next Most Advantageous Bid.</p>
<b>42. Additional Performance Security</b>	<p>41.1 Within 10 days of the receipt of the Letter of Award from KSCCL, the successful Bidder shall furnish the Additional Performance Security as mentioned in accordance with the General Conditions of Contract, subject to ITB 33 and 38</p> <p>41.2 Failure of the successful Bidder to submit the above-mentioned additional Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. In that event, the KSCCL may award the Contract to the Bidder offering the next Most Advantageous Bid.</p>

## Section II - Bid Data Sheet (BDS)

<b>A. General</b>			
<b>ITB 1.1</b>	<p>The reference number of the Request for Proposal (RFP) is: KSCCL/ YETIMOGA SEWERAGE /2017/2</p> <p>KSCCL is <b><i>Kakinada Smart City Corporation Limited.</i></b></p> <p>The name of the RFP is <b>Providing Sewerage System with STP including O &amp; M for 5 years @ Yetimoga in Kakinada</b></p>		
<b>ITB 1.2(a)</b>	<p><b>Electronic –Procurement System</b></p> <p>The following e procurement system will be used for bidding process.</p> <p><a href="http://www.apecurement.gov.in">www.apecurement.gov.in</a></p> <p>The electronic-procurement system shall be used to manage the issuing of bid documents, submission and opening of bid documents including queries, issue of clarifications etc. following aspects of the Bidding process:</p>		
<b>ITB 3.1</b>	Maximum number of members in the JV shall be- 2 (Two)		
<b>B. Contents of Bidding Document</b>			
<b>ITB 5.1</b>	<p>For <b>Clarification of Bid purposes</b> only, the KSCCL address is:</p> <p><b>Kakinada Smart City Corporation Limited</b>  <b>D.No- 2-33-10, Peketivari street,</b>  <b>Perraju peta, Kakinada- 533001, AP, India</b>            Web: <a href="http://www.kakinada.cdma.ap.gov.in">www.kakinada.cdma.ap.gov.in</a>            Email: <a href="mailto:smartcityofficekcd@gmail.com">smartcityofficekcd@gmail.com</a>  <a href="mailto:kakinadacorporation@gmail.com">kakinadacorporation@gmail.com</a></p> <p><b>Attention:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">           Superintending Engineer            Mobile: 9849906506            Email: <a href="mailto:smartcitysekmc@gmail.com">smartcitysekmc@gmail.com</a> </td> <td style="width: 50%; padding: 5px;">           Executive Engineer            Mobile: 9849906516            Email: <a href="mailto:vvenkatasurya99@yahoo.com">vvenkatasurya99@yahoo.com</a> </td> </tr> </table> <p><b>OR</b></p> <p>CEO, KSCCL            Email: <a href="mailto:jsujayarun@gmail.com">jsujayarun@gmail.com</a> M: 9989707957</p>	Superintending Engineer Mobile: 9849906506 Email: <a href="mailto:smartcitysekmc@gmail.com">smartcitysekmc@gmail.com</a>	Executive Engineer Mobile: 9849906516 Email: <a href="mailto:vvenkatasurya99@yahoo.com">vvenkatasurya99@yahoo.com</a>
Superintending Engineer Mobile: 9849906506 Email: <a href="mailto:smartcitysekmc@gmail.com">smartcitysekmc@gmail.com</a>	Executive Engineer Mobile: 9849906516 Email: <a href="mailto:vvenkatasurya99@yahoo.com">vvenkatasurya99@yahoo.com</a>		
<b>ITB 5.4</b>	A Pre-Bid meeting shall take place as per the Key Dates		

ITB 5.6	As per ITB 5.1
<b>C. Preparation of Bids</b> <span style="float: right;"><b>Preparati65</b></span>	
ITB 7.2	The transaction fee of this bid to be paid online to M/s. Vupadi Techno Services Pvt. Ltd. is Rs.11,500.00 (Rupees Eleven Thousand Five Hundred only) including service tax.
ITB 7.3	The Bid Processing fee payable by demand draft is Rs.20,000.00 (Rupees Twenty Thousand Only) in favour of Kakinada Smart City Corporation Ltd, payable at Kakinada
ITB 12.5	The prices quoted by the Bidder shall be Fixed. Price variation/ escalation will be as per latest GoAP guidelines / Circulars prevailing during the execution of work.
ITB 16.1	The Bid validity period shall be 180 days from the due date of submission of the bid.
ITB 17.1	A Bid Security in the form of BG for Rs 9,00,000/- (Rupees Nine Lakhs only) required to be submitted along with the bid drawn in favour of Kakinada Smart City Corporation Ltd.
ITB 18.1	In addition to the original of the Bid, the number of copies to be submitted is: 2 (two)
<b>D. Submission and Opening of Bids</b>	
ITB 20.1	<p>For <b><u>Bid submission purposes</u></b> only, The address where the bid is to be submitted is as per ITB 5.1</p> <p>Attention: <b><i>The Managing Director</i></b>  <b>Kakinada Smart City Corporation Limited</b>  <b>D.No- 2-33-10, Pektivari street,</b>  <b>Perraju peta, Kakinada- 533001, AP, India</b></p> <p><b>The deadline for Bid submission online and physical submission is as per Key Dates</b></p> <p>Bidders are to submit the bids electronically only as per ITB 1.2 (a)</p> <p>The electronic Bidding submission procedures shall be by e procurement portal of GoAP i.e., <a href="http://www.apecurement.gov.in">www.apecurement.gov.in</a></p>



	After submission of the bid electronically the bidder has to submit physical copies as per clause ITB 18.1 by the date given in <b>Key Dates</b>
<b>ITB 23.1</b>	The Bid opening shall take place at: Street Address: <b>O/o The Commissioner</b> Municipal Corporation, Cinema Road Kakinada 533 001 Bid opening date and time shall be as per <b>Key Dates</b>
<b>E. Evaluation, and Comparison of Bids</b>	
<b>ITB 31.2 (d)</b>	Additional requirements apply. These are detailed in the evaluation criteria in Section III, Evaluation and Qualification Criteria.

## Section III - Evaluation and Qualification Criteria

### **Bid Evaluation Process**

The method of evaluation of the Most Advantageous Bid will be based on Quality Based Least Cost Selection (QBLCS). It contains Three steps as given below.

The Employer shall constitute a Tender Evaluation Committee to evaluate the responses of the bidders. The Tender Evaluation Committee shall evaluate the responses to the RFP and all supporting documents/documentary evidence. Inability to submit requisite supporting documents/documentary evidence by bidders may lead to rejection of their bids.

The decision of the Tender Evaluation Committee in the evaluation of bids shall be final. No correspondence will be entertained outside the process of evaluation with the Committee. The Tender Evaluation Committee may ask for meetings or presentation with the Bidders to seek clarifications or conformations on their bids.

The tender Evaluation Committee reserves the right to reject any or all bids. Each of the responses shall be evaluated as per the criteria and requirements specified in this RFP. The steps for evaluation are as follows-

The Technical Evaluation Committee will review the PQ/Technical bids to determine whether the bids are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at Authority's discretion.

1. The method of evaluation of the Most Advantageous Bid will be based on Quality Based Least Cost Selection (QBLCS). It contains 3 steps as given below.
  - A. Prequalification (PQ)
  - B. Technical Evaluation
  - C. Financial Evaluation

After the bidder qualifies in the PQ, he will only be considered for Technical Evaluation. Bidders who score minimum marks specified in the Bid Data Sheet (clause 31.2), will be further evaluated for Financial evaluation.

The Purchaser shall constitute a Tender Evaluation Committee to evaluate the responses of the bidders. The Tender Evaluation Committee shall evaluate the responses to the RFP and all supporting documents/documentary evidence. Inability to submit requisite supporting documents/documentary evidence by bidders may lead to rejection of their bids.

The decision of the Tender Evaluation Committee in the evaluation of bids shall be final. No correspondence will be entertained outside the process of evaluation with the Committee. The Tender Evaluation Committee may ask for meetings or presentation with the Bidders to seek clarifications or conformations on their bids.

The tender Evaluation Committee reserves the right to reject any or all bids. Each of the responses shall be evaluated as per the criteria and requirements specified in this RFP. The steps for evaluation are as follows-

### **1.1. Stage 1: Pre-Qualification**

The Technical Evaluation Committee shall validate the following documents as per RFP. Each of the Pre-Qualification condition mentioned in this RFP is MANDATORY. In case, the Bidder does not meet any one of the conditions, the bidder shall be disqualified.

- 1.1.1. Scanned copy of Demand Draft towards the cost of bid from a Nationalized/ Scheduled / commercial Bank drawn in favor of **Kakinada Smart City Corporation Limited** payable at Kakinada.
- 1.1.2. Scanned copy of Bank Guarantee in respect of Bid Security from any **nationalized/Scheduled /commercial Bank drawn in favor of** Kakinada Smart City Corporation Limited **payable at** Kakinada.
- 1.1.3. Original Bank Guarantee in respect of Earnest Bid Security and bid processing fees should be submitted physically.
- 1.1.4. Permanent Account No (PAN) of the Bidder/Firm/Company/ Society.
- 1.1.5. Self-attested copy of sales/service tax registration and sales/service tax return filed in last three years.
- 1.1.6. Self-attested copy of certificate that the up-to date Income Tax Returns filed.
- 1.1.7. Self-attested documentary evidence of (a) the Proof of Residence of the Bidder (in case of Proprietor/Partnership Firm (b) Proof of Registered Office of the Company and Residential Address of the Director/Authorized Representative (in case of Bidder being a Company) (c) Proof of Registered office of the Society and Residence of President/Secretary (in case Bidder being a Society) as well as, Proof of the Address of the Office of the Bidder Firm/Company/Society.
- 1.1.8. Self-attested copy of bank statement indicating name of the Bank and Account No. of the Bidder Firm/Company/Society.
- 1.1.9. A completion certificate from the client agency certifying the successful completion of the similar work done by the bidder may be uploaded along-with the tender documents.
- 1.1.10. The turnover/network/financial status of the bidder shall be ascertained from the following documents which the bidder is required to upload (scanned copy) along with the tender document for the preceding three Financial years FY 2013-14, 2014-15 and 2015-16 duly certified by a Chartered Accountant
  - o Audited Financial Statement of the Firm/Company/ Society
  - o Audited Balance sheet of the Firm / Company /Society
  - o Audited copies of profit and loss statements

- 1.1.11. The scanned copy of latest license from Labor Commissioner to employ contract labor under Contract Labor Act may be submitted. The bidder shall submit an undertaking that the necessary permission from the labour department will be submitted within 3 months of award of the work.
- 1.1.12. Technical bids along with the compliance sheet of technical specifications and with necessary documents should be filled in all respects and each paper should be signed by the authorized representative, scanned and uploaded in e-tendering portal.
- 1.1.13. The bidder has to submit a Letter of Bid as per format given.
- 1.1.14. The bidders should submit copy of valid Certificate of Registration attested by Company Secretary/ Authorized Signatory
- 1.1.15. The bidder qualified / satisfies in Pre-Qualification (PQ) criteria (such as financial eligibilities, technical eligibilities) will be considered further for evaluation.
- 1.1.16. The bidder should meet all the eligibility criteria as per ITB 3 and submit documentary proof in (i) Form ELI- 1.1, 1.2 and 1.3 with attachments and (ii) Letter of Bid
- 1.1.17. The bidder (including members of JV) should provide information on
- 1.1.17.1. History of Contract non- performance where (a) nonperformance was not challenged by the bidder, including through referral to the dispute resolution mechanism under the respective contract, and (b) contracts that were so challenged but fully settled against the bidder Nonperformance must be based on all information on fully settled disputes or litigation, i.e. dispute or litigation that has been resolved in accordance with the dispute resolution mechanism under the respective contract and where all appeal instances available to the Bidder have been exhausted.
- The bidder should submit Form CON- 2
- 1.1.18. Suspension based on poor execution of a Bid
- 1.1.19. History of Litigation and Pending litigations and should submit Form CON- 2
- 1.1.20. PQ for selection:

**Technical:**

- ❖ Should have experience in Urban sewerage projects – 2 Projects with at least 1.5 Crores worth STP works or above
- ❖ Should have experience in construction / SITC (Supply, Installation, Testing and Commissioning) works of treatment plant of capacity 1.0 MLD and above capacity– 2 Projects
- ❖ In case of JV, no JV partner should be less than 30% of the overall criteria (not necessarily in every component) cited above and partners together should meet the total criteria.

**Financial**

- ❖ The bidder should have positive Net Worth in last three financial years.
- ❖ The bidder should have a minimum average annual turnover of Rs. 5.0 Cr. In the last three financial years.

- Attested copies of the bidders audited annual reports/ financial statement for each of the three financial years' i.e., 2013-14, 2014-15 and 2015-16 have to be attached along with a certificate from a practicing Chartered Accountant on his letter head confirming annual turnover, net profit, and net worth during these years.
  - 10% weightage per year on the annual turnover will be considered for bringing the turnover to the current year.
  - The bidder should submit FIN- 3.1 and 3.2 with attachments in support of the financial qualification.
- ❖ In case JV, each JV partner should meet 30% of the criteria cited above and partners together should meet the total criteria.

### 1.2. Stage II Technical Evaluation

The Technical Evaluation Committee will review the technical bids of the short-listed bidders to determine whether the technical bids are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at Authority's discretion.

Each Technical Bid will be assigned a Technical Score out of a maximum of 100 points. Only the bidders who get **Technical Score of more than or equal to 70% in Technical Evaluation** will qualify for Commercial Evaluation stage. Weightages of to bidder's ability is as shown in the Table.

SN	Evaluation Criteria	Evaluation Parameter	Points
1	Executing Sewerage projects (with Treatment Plant) of cost more than Rs. 1.5 Cr.	Number of projects completed <ul style="list-style-type: none"> <li>• 4 projects and above- 30</li> <li>• 3 projects – 22.5</li> <li>• 2 Projects – 15</li> </ul>	30
	Successful completion of Construction / SITC and Maintenance of STP for capacity more than 1 MLD	Number of projects completed <ul style="list-style-type: none"> <li>• 4 projects and above- 40</li> <li>• 3 projects – 30</li> <li>• 2 Projects – 20</li> </ul>	40
2	<b>Approach &amp; Methodology</b>	<ul style="list-style-type: none"> <li>• The Bidder understanding of project requirements (functional and technical) - 40%</li> <li>• Approach &amp; Innovations – 40 %</li> <li>• Work and Staffing Schedule – 20 %</li> </ul> <p><b>Note:</b> Bidder should not copy the content from this RFP -Volume 2 in</p>	20

		Approach & Methodology/ Presentation.	
<b>3</b>	<b>Resources*</b>		<b>10</b>
	<b>(1) Project Manager</b>	Relevant B. Tech with 15 years or M. Tech with 10 years' experience in execution and O&M of Sewerage Projects	6
	<b>(2) Treatment Plant Expert</b>	B. Tech (Mechanical/Chemical) with 10 years or M. Tech with 5 years' experience in execution and O&M of STPs  Note the marks in this section is only applicable if all the key personnel are present.	4

\* Any additional resources required shall be hire by the bidder to complete the project successfully with in time.

Financial bid will not be opened for those bidders, who don't qualify the Technical evaluation stage.

### 1.3. Stage III Financial Evaluation

All the technically qualified bidders will be notified to participate in Financial Bid opening process. The Financial bids for the technically qualified bidders shall then be opened on the notified date and time through e-mail and reviewed to determine whether the commercial bids are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at Authority's discretion.

Commercial bids that are not as per the format provided shall be liable for rejection.

The bid which is quoted the lowest rate (L1) will be considered as the Most Advantageous Bid and will be awarded with the work.

Bid Security amount shall be returned for those who don't qualify the financial evaluation stage and after PBG is submitted by successful bidder.

If the L1 Bidder fails to submit the performance Bank Guarantee and additional performance Bank Guarantee if any with in the stipulated time, his bid deemed to be cancelled and L2 bidder will be considered for award of the work at L1 Price if the L2 bidder accepts and so on.

## **Section IV - Bidding Forms**

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# 1. Letter of Bid

**Date:** dd/mm/yyyy

To,

The Managing Director  
**Kakinada Smart City Corporation Limited**  
**D.No- 2-33-10, Peketivari street,**  
**Perraju peta, Kakinada- 533001, AP, India**

**Subject: RFP No.- \_\_\_\_\_ dated .....**

Sir,

I/We, the undersigned Bidders, having read and examined in detail the specifications and other conditions in tender document in respect of RFP No. \_\_\_\_\_ Name of the work- \_\_\_\_\_, submit the following information/undertaking/declaration for consideration of the KMC.

## 1. Price and Validity

**1.1** All the prices mentioned in our financial bid are in accordance with the terms as specified in tender document. All the prices and other terms and conditions of this proposal are valid for a period of \_\_\_\_ days from the last date of submission of bids.

**1.2** We do hereby confirm that our bid prices include all taxes and cess including Income Tax.

## 2. Bid Security

**2.1** Amount of Earnest Money deposited (EMD): ₹ \_\_\_\_\_ (Rupees \_\_\_\_\_ only) in the form of a Bank Guarantee from a Nationalized Bank/ Scheduled/ commercial bank in favour of **Kakinada Smart City Corporation Limited** payable at Kakinada is being enclosed with its No. & Date superscripted on the envelope being deposited physically and scanned copy to be uploaded.

## 3. Bid Pricing

**3.1** We further declare that the RATES stated in our proposal are in accordance with your terms & conditions in the tender document.

**4. Qualifying Data**

- 4.1** We confirm having submitted our qualifying data as required by you in your tender document. In case, you require any further information/ documentary proof in this regard before evaluation of our bid, we agree to furnish the same in time to your satisfaction.

**5. DECLARATION**

I/We have also carefully read the terms and conditions of the bid document and undertake that I/we shall abide.

- 5.1** I/ We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders ITB 6.
- 5.2** I/ We offer to execute in conformity with the Bidding Documents the above said work and accept to the terms and conditions mentioned in the bid document
- 5.3** I/ We possess the necessary professional, technical, financial and managerial resources and competence required by the bid document issued by the KSCCL.
- 5.4** We are not participating, as a Bidder in more than one bid in this bidding process in accordance with ITB 3.
- 5.5** I/ We have fulfilled obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the tender document.
- 5.6** I/We are not insolvent, in receivership, bankrupt or being wound up, not have my/ our affairs administered by a court or a judicial officer, not have my/ our business activities suspended and not the subject of legal proceedings for any of the forgoing reasons.
- 5.7** I/We hereby declare that our proposal is made in good faith, without collusion or fraud and the information contained in the proposal are true to the best of our knowledge and belief and nothing has been concealed there from.
- 5.8** I / We ..... hereby confirm that our firm has not been banned or blacklisted by any government organization/Financial institution/Court /Public sector Unit /Central Government as per ITB clause 3
- 5.9** We agree to permit KSCCL or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors appointed by KSCCL.

**5.10** Bid submitted by us is properly sealed and prepared so as to prevent any subsequent alteration and replacement.

**5.11** If our Bid is accepted I/ We commit to obtain Performance Security in accordance with the bidding document.

**5.12** We understand that you are not bound to accept the lowest or any bid you may receive.

Thanking you,

Yours faithfully,

**(Signature)**

**Seal :**

**Name:**.....

**Designation:** .....

**Business Address:** .....

.....

.....

## 2. Bill of Quantities

The Bidder has to provide the financial bid in the formats as given here. The financial bid shall be in two parts-

- Part - 1: Capex i.e., Construction and Development expenses of the Vivekananda park
- Part - 2: Opex i.e., Operation and Maintenance expenses of the Vivekananda park
- Summary of the Cost – sum of the above two.

### A. Preamble

- 1** The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, General and Particular Conditions of Contract, Technical Specifications, and Drawings.
- 2** The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices bid in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract.
- 3** The rates and prices bid in the priced Bill of Quantities shall, except in so far as it is otherwise provided under the Contract, include all Constructional Plant, labour, supervision, materials, erection, maintenance, insurance, profit, taxes, and duties, together with all general risks, liabilities, and obligations set out or implied in the Contract.
- 4** A rate or price shall be entered against each item in the priced Bill of Quantities, whether quantities are stated or not. The cost of Items against which the Contractor has failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.
- 5** The whole cost of complying with the provisions of the Contract shall be included in the Items provided in the priced Bill of Quantities, and where no Items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related Items of Work.
- 6** General directions and descriptions of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. References to the relevant sections of the Contract documentation shall be made before entering prices against each item in the priced Bill of Quantities.
- 7** Provisional Sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Engineer in accordance with **Sub-Clause 13.5 and Clause 13.6** of the General Conditions.
- 8** The method of measurement of completed work for payment shall be in accordance with provisions laid down by Bureau of Indian Standards IS:1200 shall be followed except for items of work where specific measurement methodology is specified in the Specifications.
- 9** A Detailed BoQ) is enclosed with this document in annexure 1, which need to be filled by the bidder and the summary sheet should reflect the cost arrived from the Annexure 1 costing.
- 10** Any item not listed in BOQ, Latest applicable AP SoR will considered. Non listed item in SoR shall be considered from market rates on lowest quotation. In all such matters Engineer's decision is final.
- 11** All the guarantee and warrantee for the equipment / machinery procured under the project as per the BOQ should be managed by the bidder
- 12** All the components of the project should be covered with 1 year complete comprehensive coverage for any theft, damage etc...

## Financial Bid

### Part-1- Capex: Providing Sewerage System including Construction of 2.0MLD STP of Suitable technology

Part	Item of Work	Amount
I	Construction Cost of Providing Sewerage network including manholes & appurtenances, house connections etc. and construction of Sewerage Treatment Plant of 2.0 MLD capacity with suitable technology including all civil, mechanical, electrical works, including ground development and trial running for a period of 6 months etc., complete (as per Bill of Quantities enclosed)	
	<b>Total Capex Cost</b>	

(Amount in words \_\_\_\_\_)

\* A Detailed BoQ is enclosed with this document in annexure 1, which need to be filled by the bidder and the summary sheet should reflect the cost arrived from the Annexure 1 costing.

\* Any item not listed in BOQ, Latest applicable AP SoR will considered. Non listed item in SoR shall be considered from market rates on lowest quotation. In all such matters Engineer's decision is final.

#### **KMC Obligation:**

- KMC will pay the recurring power charges during trial running period. KMC will provide necessary power at the door step of the plant site. The bidder has to erect all the necessary electrical connections and accessories, including transformer if required.
- KMC will be providing drinking water facility by tap

#### **Contractor's Obligation:**

- Manpower for network and STP in 3 shifts duly observing the labour laws
- Upkeep of all the appurtenances provided under the scope
- Repairs during the DLP period has to be attended by the bidder free of cost
- Maintenance for the balance 3 years has to be quoted by the bidder in OPEX cost

**Signature of the Bidder with seal**

## Financial Bid

### Part-2- Opex: O & M of Sewerage system including 2.0 MLD STP for 5 years @ Yetimoga in Kakinada

SN	Item description	Unit	Rate	Qty	Amount (Year - wise)				
					Year 1	Year 2	Year 3	Year 4	Year 5
1	Consumables								
A									
B									
2	Repairs and Painting								
A									
B									
3	Manpower								
A									
B									
<b>Total of Opex Cost is (Rs.) To be carried Forward to Summary of Costs</b>									

(Amount in words \_\_\_\_\_)

- Price should include 5-year O&M of both sewage network and STP.
- All the guarantee and warranty for the equipment / machinery procured under the project as per the BOQ should be managed by the bidder
- All the components of the project should be covered with 5-year complete comprehensive coverage for any theft, damage etc...
- The Operation and maintenance amounts will be paid quarterly to the contractor
- Service tax will be paid extra as per actual for the salaries component.

#### **KMC Obligation:**

- KMC will pay the recurring power charges during trial running period. KMC will provide necessary power at the door step of the plant site. The bidder has to erect all the necessary electrical connections and accessories, including transformer if required.
- KMC will be providing drinking water facility by tap

#### **Contractor's Obligation:**

- Manpower for network and STP in 3 shifts duly observing the labour laws
- Upkeep of all the appurtenances provided under the scope
- Repairs during the DLP period has to be attended by the bidder free of cost
- Maintenance for the balance 3 years has to be quoted by the bidder in OPEX cost

**Signature of the Bidder with seal**

**Financial Bid****Part-3- Summary of Costs**

<b>Part</b>	<b>Item of Work</b>	<b>Amount</b>
I	Part-1- Capex	
II	Part-2- Opex	
	<b>Total Cost</b>	

(Amount in words\_\_\_\_\_)

**Signature of the Bidder with seal**

## **Bidders Qualification**



## Form ELI -1.1

**Bidder Information Form**

Date: \_\_\_\_\_

RFP No. and title: \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_ pages

Bidder's name
In case of Joint Venture (JV), name of each member:
Bidder's actual or intended country of registration: <i>[indicate country of Constitution]</i>
Bidder's actual or intended year of incorporation:
Bidder's legal address [in country of registration]:
Bidder's authorized representative information Name: _____ Address: _____ Telephone/Fax numbers: _____ E-mail address: _____
<p>1. Attached are copies of original documents of</p> <ul style="list-style-type: none"> <li>• Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of the legal entity named above, in accordance with ITB 3</li> <li>• In case of JV, JV agreement, in accordance with ITB 3</li> </ul> <p>2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.</p>

**Form ELI -1.2**

**Bidder's JV Information Form**

**(to be completed for each member of Bidder's JV)**

Date: \_\_\_\_\_

RFB No. and title: \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_ pages

Bidder's JV name:
JV member's name:
JV member's country of registration:
JV member's year of constitution:
JV member's legal address in country of constitution:
JV member's authorized representative information Name: _____ Address: _____ Telephone/Fax numbers: _____ E-mail address: _____
<p>1. Attached are copies of original documents of</p> <ul style="list-style-type: none"> <li>• Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above, in accordance with ITB 3.</li> </ul> <p>2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.</p>

## Form CON – 2

## Historical Contract Non-Performance, Pending Litigation and Litigation History

Bidder's Name: \_\_\_\_\_

Date: \_\_\_\_\_

JV Member's Name \_\_\_\_\_

RFB No. and title: \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_ pages

Non-Performed Contracts in accordance with Section III, Evaluation and Qualification Criteria			
Year	Non-performed portion of contract	Contract Identification	Total Contract Amount (current value in Rs.)
<i>[insert year]</i>	<i>[insert amount and percentage]</i>	Contract Identification: <i>[indicate complete contract name/ number, and any other identification]</i> Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Reason(s) for non-performance: <i>[indicate main reason(s)]</i>	<i>[insert amount]</i>
Pending Litigation, in accordance with Section III, Evaluation and Qualification Criteria			
Year of dispute	Amount in dispute (in Rs.)	Contract Identification	Total Contract Amount (in Rs)
		Contract Identification: _____ Name of Employer: _____ Address of Employer: _____ Matter in dispute: _____ Party who initiated the dispute: _____ Status of dispute: _____	

		<b>Contract Identification:</b> <b>Name of Employer:</b> <b>Address of Employer:</b> <b>Matter in dispute:</b> <b>Party who initiated the dispute:</b> <b>Status of dispute:</b>	
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### Form FIN – 3.1:

## Financial Situation and Performance

Bidder's Name: \_\_\_\_\_

Date: \_\_\_\_\_

JV Member's Name \_\_\_\_\_

RFB No. and title: \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_ pages

#### 1. Financial data

Type of Financial information in (Rs.)	Historic information for previous ____ years, (in Rs.)				
	Year 1	Year 2	Year 3	Year4	Year 5
<b>Statement of Financial Position (Information from Balance Sheet)</b>					
Total Assets (TA)					
Total Liabilities (TL)					
Total Equity/Net Worth (NW)					
Current Assets (CA)					
Current Liabilities (CL)					
Working Capital (WC)					
<b>Information from Income Statement</b>					
Total Revenue (TR)					
Profits Before Taxes (PBT)					
<b>Cash Flow Information</b>					

Cash Flow from Operating Activities					
-------------------------------------	--	--	--	--	--

## 2. Sources of Finance

Specify sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments.

No.	Source of finance	In Rs.
1		
2		
3		

**Form FIN – 3.2:**

**Average Annual Construction Turnover**

Bidder's Name: \_\_\_\_\_

Date: \_\_\_\_\_

JV Member's Name \_\_\_\_\_

RFB No. and title: \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_ pages

SN	Financial Year	Annual Turnover (Rs. Cr.)	Multiplying Factor	Amount Equivalent to current year
1	FY- 2013-14		1.4	
2	FY- 2014- 15		1.3	
3	FY- 2015-16		1.2	

**Average Annual Turnover Specific to be Bid (Sewerage System)**

**\*\*\*To be certified by Authorised / Practicing Chartered Accountant**

SN	Financial Year	Annual Turnover (Rs. Cr.)	Multiplying Factor	Amount Equivalent to current year
1	FY- 2013-14		1.4	
2	FY- 2014- 15		1.3	
3	FY- 2015-16		1.2	

**Form EXP - 4.1****Sewerage Projects Experience**

Bidder's Name: \_\_\_\_\_

Date: \_\_\_\_\_

JV Member's Name \_\_\_\_\_

RFB No. and title: \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_ pages

Starting Year	Ending Year	Contract Identification	Role of Bidder	Status of Project <sup>1</sup>
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ _____ _____ Amount of contract: _____ Name of Employer: _____ Address: _____		
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ _____ _____ Amount of contract: _____ Name of Employer: _____ Address: _____		
		(add more rows if required)		

---

<sup>1</sup> Mention whether the project is Complete or under progress. If the project is complete than if it is under O&M then mention so with years in O&M.

If it is under progress mention % of work complete.

All above statements should be backed by corresponding experience certificate from respective Employers.



## Form EXP - 4.2

**Specific Experience of Similar Project Development**

Bidder's Name: \_\_\_\_\_

Date: \_\_\_\_\_

Bidder's JV Member Name: \_\_\_\_\_

RFB No. and title: \_\_\_\_\_

Page \_\_\_\_\_ of \_\_\_\_\_ pages

SN	Contract Details	Elements Executed	Unit	Quantity executed <sup>2</sup>	Value in Rs.
1	Contract name: _____				
	Year of completion: _____				
	Amount of contract: _____				
	Name of Employer: _____				
	Address: _____				
	If the contract was in JV mention bidder responsibilities and achievement.				
2	Contract name: _____				
	Year of completion: _____				
	Amount of contract: _____				
	Name of Employer: _____				
	Address: _____				
	If the contract was in JV mention bidder responsibilities and achievement.				

---

<sup>2</sup> All quantities mentioned and the values indicated should be backed by respective certificates from the Employer.

## Joint Venture Format

This Memorandum of Understanding (hereinafter referred to as "MOU") is made and entered into this ----- ("Effective Date")

**BETWEEN M/s.** \_\_\_\_\_, a company incorporated, and having its registered office at \_\_\_\_\_ . **(Hereinafter referred to as the "First Party"/"One Partner");**

**M/s.** \_\_\_\_\_ ) a company incorporated, and having Registered office at \_\_\_\_\_. **(Hereinafter referred to as the "Second Party"/ "Each Partner");**

**M/s.** \_\_\_\_\_ ) a company incorporated, and having Registered office at \_\_\_\_\_. **(Hereinafter referred to as the "Third Party"/ "Each Partner");**

Hereinafter jointly referred to as the "**Parties**" and individually as "**Each Party**" or "**a Party**" as the case may be.

### WHEREAS,

A) The **Government of Andhra Pradesh, Kakinada Smart City Corporation Limited, Kakinada, Andhra Pradesh** (hereinafter referred to as the KSCCL or "**Employer**") invited bid for

\_\_\_\_\_

\_\_\_\_\_

(B) The **Parties** hereto formed a Joint Venture or will form a joint venture (hereinafter referred to as the "**JV**") to jointly execute the above project in all respect

**NOW THEREFORE IT IS HEREBY AGREED** as follows

### **ARTICLE 1: JOINT VENTURE:**

1.1. The Parties hereto agree to form the Joint Venture with \_\_\_\_\_ designated as the **One Partner and First Partner and the Lead Partner**.

1.2. \_\_\_\_\_ shall be the Second Member – or Second Partner

1.3. \_\_\_\_\_ shall be the Third Member – or Third Partner (insert more lines if more partners)

**ARTICLE 2: JOINT VENTURE NAME:**

2. The JV shall do business in the name of “ \_\_\_\_\_ **Joint Venture**”.

**ARTICLE 3: JOINT AND SEVERAL LIABILITIES:**

3 The **Parties** hereto shall, for the above-referred **Projects**, be jointly and severally liable to the **Employer** for the execution of the **Projects** in accordance with the **Contract** till the actual completion of **Contract** including defect liability period and operation & maintenance as per bid conditions.

**ARTICLE 4: PROPORTIONATE SHARE:**

4.1 Each member of the Joint Venture agrees to place at the disposal of the Joint Venture, the benefit of all its experience, technical knowledge and skill, and shall in all respects bear its share of responsibility and burden of completing the contract. The parties herein shall be responsible for physical and financial distribution of work as under.

**Lead Partner:** Financial responsibility: -----

Physical responsibility: -----

**Other Partners:** Financial responsibility: -----

Physical responsibility: -----

4.2 All rights, interests, liabilities, obligations, risks, costs, expenses and pecuniary obligations and all net profits or net losses arising out of the **Contract** shall be shared or borne by the **Parties** in the above **Proportions**.

4.3 The members in the proportion as mention in article 4.1, shall contribute sufficient Initial fixed capital for timely execution of the project including commissioning & operating period as per the contract.

**ARTICLE 5: JOINT EFFORT AND MANAGEMENT:**

5.1 The **Parties** shall participate as a **JV** in the submission of bids and further negotiations with the **Employer** and shall co-operate and contribute their respective expertise and resources to secure and execute the **Projects**.

5.2 On award of **Projects**, the **First Partner** in consultation with the other members of JV will decide on the final management structure for the successful execution of the **Projects** as per the terms of **Contract**.

5.3 All the **Parties** hereby agree to pool in their financial, administrative, managerial, technical and material resources for execution of the **Projects**, including commissioning & operation for the period as stipulated in the contract. The share of interest of the **JV** shall be as per the mutual understanding for the successful completion of the project.

**ARTICLE 6: EXCLUSIVITY:**

- 6.1 The co-operation between the **Parties** hereto shall be mutually exclusive i.e. none of them shall without the other **Party's** consent & prior approval of **KSCCL**, approach or cooperate with any other parties in respect of the Project.
- 6.2 In the course of working as associates, the parties to the JV will be sharing information with each other which may be proprietary /confidential information /knowledge acquired by each other. It is hereby agreed that the parties will maintain complete secrecy regarding such information / knowledge and will not divulge to any party for any other purpose except for the success of the joint execution of the contract. All parties will also indemnify each other against any claim that may arise out of using information, which are being claimed proprietary.

**ARTICLE 7: Memorandum of Understanding:**

- 7.1 This **Memorandum of Understanding** shall be terminated: -
- a. if the **Parties** mutually confirm that the **JV's** bid proposal has not been finally accepted by **Employer** and all rights and obligations of the **Parties** under or in connection with this **Memorandum of Understanding** have ceased, or
  - b. after successful completion of the project including commissioning & operation and defect liability period from the date of this **Memorandum of Understanding** unless extended for a further period on demand of **KSCCL** & mutual consent of the Parties, or
- 7.2 The **Memorandum of Understanding** can be modified by mutual consent of the Parties to suit the efficient and expeditious execution of Projects including commissioning & operation of Plant or to make this agreement more meaningful to suit the requirements of Employer **after the consent of the Employer**.

**ARTICLE 8: ARBITRATION:**

- 8.1 Any dispute resulting from this Agreement shall be settled amicably by mutual Consultation by the Managing Directors/Chairman of \_\_\_\_\_ & \_\_\_\_\_. In the event that an amicable settlement is not reached within 60 days in any particular case, the dispute shall be referred to arbitration and shall be resolved in accordance with and subject to the provisions of the \_\_\_\_\_ and any statutory modifications and enactment hereof for the time being in force. The decision of the arbitrators shall be final and binding upon both parties. The venue of arbitration will be \_\_\_\_\_.

**ARTICLE 9: GOVERNING LAWS:**

- 9.1 This Agreement shall in all respects be governed by and interpreted in accordance with the \_\_\_\_\_ Laws.

**ARTICLE 10: CONFIDENTIALITY:**

- 10.1 No Party hereto shall disclose to any other party any information of a confidential nature including but not limited to trade secrets, know-how acquired from any Party in connection with the subject matter of this Agreement.

**ARTICLE 11: ADDRESS OF CONSORTIUM:**

11.1 Any and all correspondence from the **Employer** to the **JV** shall be addressed to **(name of JV)** at the address stated herein below—(any one of the partners). The address of the Consortium office of the partner companies will be deemed to be the address for the purpose of communication.

11.2 The notice, if any required to be served on the party by the other party, will be deemed to be served, if the said notice / communication is delivered by Registered Post at the respective address

**(name of JV)**

---

**ARTICLE 12: Authorized Representative:**

12.1 The JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the parties of the JV during the bidding process and, in the event the JV is awarded the Contract, during contract execution.

12.2 Authorized Representative of JV : \_\_\_\_\_

**ARTICLE 13: ASSIGN ABILITY:**

13.1 The interests and rights of a Party in the Contract and as a Party of the Joint Venture shall not be transferable or assignable without the written consent of the Employer & other party.

**ARTICLE 14: INTERPRETATION OF HEADINGS:**

14. The headings of each of the Articles herein contained are inserted merely for convenience of reference and shall be ignored in the interpretation and construction of any of the provisions herein contained.

**ARTICLE 15: OTHERS**

15.1 Any other matters not contained in this Agreement shall be discussed and amicably agreed upon by the Parties in the spirit of mutual trust and cooperation for timely completion of project including commissioning & operation of project. **Notwithstanding anything above all the Parties are severally and jointly responsible to the Employer for execution of the Contract**

**ARTICLE 16: Forming Company on award of Contract**

16.1 We undertake to form a Special Purpose Vehicle (SPV) to be registered under Indian Companies Act on award of contract before signing of agreement. We undertake that and we

will be jointly and severally responsible to execute the works by a incorporated company and constituent company.

16.2 We as individual partners undertake to be responsible for completion of works and also for any recoveries if applicable. We will be responsible to complete the works by Individual or by the SPV/New Company.

**IN WITNESS WHEREOF** the Parties hereto have caused this Agreement to be executed by each of the duly authorized representatives as appearing below:-

Signed by  
For and on behalf of

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_

In the presence of

\_\_\_\_\_

Name

Name

Designation

Designation

Signed by  
For and on behalf of

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_

In the presence, of

\_\_\_\_\_

Name

Name

Designation

Designation

## Bid Security (Bank Guarantee)

(To be on Rs. 100/-non-judicial stamp paper)

..... **Bank's Name, and Address of Issuing Branch or Office**.....

**Beneficiary:** ..... **Name and Address of Employer**.....

**Date:** .....

**Bid Security No.:** .....

In consideration of the \_\_\_\_\_ [Insert name of the Bidder] (hereinafter referred to as 'Bidder') submitting the response to RFP inter alia for selection of the Project Name of the Project in response to the RFP No. \_\_\_\_\_ dated \_\_\_\_ issued by Kakinada Smart City Corporation Limited (hereinafter referred to as KSCCL) and KSCCL considering such response to the RFP of \_\_\_\_\_ [insert the name of the Bidder] as per the terms of the RFP, the \_\_\_\_\_ [insert name & address of bank] hereby agrees unequivocally, irrevocably and unconditionally to pay to KSCCL at [Kakinada Smart City Corporation Limited, O/o Kakinada municipal corporation, cinema road, Kakinada -533001] forthwith on demand in writing from KSCCL or any Officer authorized by it in this behalf, any amount up to and not exceeding Rupees \_\_\_\_\_ (words) only, on behalf of M/s. \_\_\_\_\_ [Insert name of the Bidder].

This guarantee shall be valid and binding on this Bank up to and including \_\_\_\_\_ [insert date of validity in accordance with ITB Clause 17 of this RFP] and shall not be terminable by notice or any change in the constitution of the Bank or the term of contract or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed with or without our knowledge or consent, by or between parties to the respective agreement.

Our liability under this Guarantee is restricted to Rs. \_\_\_\_\_ (Rs. \_\_\_\_\_ only). Our Guarantee shall remain in force until \_\_\_\_\_ [insert date of validity in accordance with ITB Clause 16 of this RFP]. KSCCL shall be entitled to invoke this Guarantee till \_\_\_\_\_ [Insert date which is 30 days after the date in the preceding sentence] -

The Guarantor Bank hereby agrees and acknowledges that the KSCCL shall have a right to invoke this BANK GUARANTEE in part or in full, as it may deem fit.

The Guarantor Bank hereby expressly agrees that it shall not require any proof in addition to the written

demand by KSCCL, made in any format, raised at the above-mentioned address of the Guarantor Bank, in order to make the said payment to KSCCL.

The Guarantor Bank shall make payment hereunder on first demand without restriction or conditions and notwithstanding any objection by \_\_\_\_\_ *[Insert name of the Bidder]* \_\_\_\_\_ and/or any other person. The Guarantor Bank shall not require KSCCL to justify the invocation of this BANK GUARANTEE, nor shall the Guarantor Bank have any recourse against KSCCL in respect of any payment made hereunder.

This BANK GUARANTEE shall be interpreted in accordance with the laws of India and the courts at Kakinada shall have exclusive jurisdiction.

The Guarantor Bank represents that this BANK GUARANTEE has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor Bank in the manner provided herein.

This BANK GUARANTEE shall not be affected in any manner by reason of merger, amalgamation, restructuring or any other change in the constitution of the Guarantor Bank.

This BANK GUARANTEE shall be a primary obligation of the Guarantor Bank and accordingly KSCCL shall not be obliged before enforcing this BANK GUARANTEE to take any action in any court or arbitral proceedings against the Bidder, to make any claim against or any demand on the Bidder or to give any notice to the Bidder or to enforce any security held by KSCCL or to exercise, levy or enforce any distress, diligence or other process against the Bidder.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to Rs. \_\_\_\_\_ (Rs. \_\_\_\_\_ only) and it shall remain in force until \_\_\_\_\_ *[Date to be inserted on the basis of ITB Clause 16 of this RFP]* \_\_\_\_\_ with an additional claim period of thirty (30) days thereafter. We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only if KSCCL serves upon us a written claim or demand

Signature \_\_\_\_\_

Name \_\_\_\_\_

Power of Attorney No. \_\_\_\_\_

For

\_\_\_\_\_ *[Insert Name of the Bank]* \_\_\_\_\_

Banker's Stamp with Full Address.

Dated this \_\_\_\_ day of \_\_\_\_, 20\_\_



## **PART 2 –Scope of Work**

# Section V - Scope of Work

## Contents

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<b>C. Drawings</b>		<b>Annexure 2</b>

## A. Work Requirements

### 1. SCOPE OF WORK

#### 1.1. COMPONENTS OF WORK

The scope of the contract covers four components

#### CAPEX

**Part 1:** Providing, laying, testing & commissioning of approx. 11.3 km SWG and RCC underground Sewerage Pipes of varying diameters (150 mm – 400 mm) with associated manholes and intercepting chambers in command area of Yetimoga, commissioning and trial running for a period of 6 months.

**Part 2:** Preparation of land for the construction of STP by excavating loose slushy soil in marshy land to a depth of Approx. 1.5m (R.L of existing GL is 1.06, to be excavated upto RL -0.44), construction of retaining wall on three sides i.e., for a length of approximately 200m with approximately 1m depth foundation and 1m wall and refilling it with suitable soils (for construction of STP), brought from the approved source (to be obtained by the bidder) to reach a height of 3m (From RL -0.44 to RL 2.56m), compacting it the soil to achieve the desired density of 96% and above to make the area suitable for construction. The existing SBC without any land development is found to be 2.5T. Side slope of the embankment should be 1 in 5 and the size of the finished land to be developed should be 50m X 50M at the surface i.e., at RL 2.56.

and

The design, supply, construction, installation of Sewage Treatment Plant(STP) of suitable technology (Package Type-1) suitable for treating 2 MLD (Million Litres per Day) of sewage, complete in all respects on turnkey basis including design and construction of structures for various units, supply and installation of mechanical, electrical equipment, instruments along with all piping works and other connected works required to provide complete operable plant including commissioning the plant, trial running for a period of 6 months and initial operation and maintenance for 5 years on completion of the works of the entire plant in satisfactory manner. The scope work includes receiving the raw sewage from 400 mm size RCC pipe line and pumping to various units for treatment.

#### OPEX

**Part 3:** Operation and Maintenance of complete Yetimoga Sewerage system including Network and STP etc. complete for 5 years, including Defect Liability Period.

#### 1.2. Description

A detailed description of the work to be done is given below.

#### CAPEX

**Part 1: Providing, laying, testing & commissioning of approx. 11 km SWG and RCC underground Sewerage Pipes of varying diameters (150 mm – 400 mm) with associated manholes and intercepting chambers**

- a) Manufacturing / Procurement, Supplying, Laying and Jointing of pipes of required diameter of RCC NP2 & NP3 Spigot & Socket S&S pipes manufactured using Sulphate Resistant Cement (SRC), jointed with rubber rings and SWG pipes confirming to IS No.651/1992, fittings and jointing materials for laterals / branch / trunk / outfall sewers.
- b) Laying and Jointing of pipes of required diameter of RCC NP2 & NP3 Spigot & Socket S&S pipes manufactured using Sulphate Resistant Cement (SRC) jointed with rubber rings and SWG pipes confirming to IS No.651/1992, fittings and jointing materials for laterals / branch / trunk / outfall sewers as per relevant IS codes for sewerage zones. For this item, contractor shall also include cost of loading at stock yard/ near work spot, unloading at work spot and transportation to work spot as necessary for satisfactory completion of work and as directed by the Engineer.
- c) Construction of all appurtenant structures such as table mould/ wire cut brick, Pre-cast RCC manholes using SRC with SFRC frames & covers, fixing of PVC encapsulated MS rings, drop manholes, ventilating shafts, pipe support, drain and road crossings, valve chambers, thrust blocks etc. complete including all temporary works and safety measures.
- d) Earth work excavation, laying of bedding wherever specified, testing and commissioning of the lateral, branch, trunk / outfall sewers and pumping mains, backfilling the trenches, restoring and making good of all surfaces to its original state, which are damaged during excavation, including WBM, Asphalt, Cement concrete road and any other surfaces.
- e) Providing House Service Connections as per the specification, BOQ, drawing and as directed by the Engineer.
- f) Diversion of water course wherever required shall be taken up by the Contractor for laying sewer line for which no extra cost will be paid.
- g) Dewatering (either continuous or intermittent) of trenches shall be done by the contractor, where all type of sewer is to be laid as per specifications, wherever required as per site conditions until back fill is completed to keep the trench dry during excavation, sewer laying, jointing & testing, backfilling and manhole construction.
- h) Lowering of the water table for creating dry condition below the bed of the excavation level of the trench for laying sewer and for the construction of wet well with the process of well point system as per specifications and as directed by the Engineer.
- i) Testing and commissioning the pipelines & manholes after laying and construction including the sewer lines which have been already laid.
- j) Construction of new wet well with dewatering by well point system, single stage or two stage as required as per specifications and as directed by the Engineer, Supplying, Erection, testing and commissioning of pumps, control panels etc., and other allied mechanical and electrical works.
- k) Providing suitable pipes for house service connections in the manholes as per drawing enclosed and as directed by Engineer including all materials such as

connecting pipes and specials, earthwork, pipe line laying and jointing, bedding etc. complete. Where the sewer is proposed in open land/ along the drains, the RCC pipe is embedded at benching on both sides of manhole for providing house service connection in future and as directed by the Engineer.

- l) Providing road crossing using encasement as specified in the BOQ at specified locations shown in the drawing, specifications and as directed by the engineer. The scope also covers associated civil works including protective works, encasing of pipes with concrete at drain and road crossings, all safety measures etc.
- m) Restoration of road surface to original condition on main roads (for widths more than 2 m) and with interlocking tiles in internal roads (for widths less than 2 m) as directed by the Engineer in charge, including preparation of sub-grade, all construction materials, tools and plants etc., complete and providing service road etc., shall be as per MORT&H specifications, (IV Revision).
- n) Backfilling the trench shall be done in layers of 150 mm thick, well compacted using watering, ramming and mechanical compaction using plate/roller compactors without damaging the sewers to ensure that there will be no settlement of backfilling material after making good the surface and as directed by the Engineer. Bidder shall carry out tests for density of backfill at his own cost and that if the back fill is found unsatisfactory, it shall be rectified and the backfilling will be got done through the other agencies at the cost of the contractor.
- o) Survey of sewer line alignment and submission of survey drawings showing L-Section, cross section at every 25 meters and additional cross sections where ever required and as directed by the engineer, strip plans showing details for approval to the employer, before execution of work. No extra payment will be made for this. The bidder should include the cost of doing such contingency works in the amount of tender while quoting rates.
- p) Trial Pits at 500 m intervals and Soil investigation of the area where the wet well is proposed up to a depth required as per the direction of the Engineer. No extra payment will be made for this. The bidder should include the cost of doing such contingent works in amount of this tender while quoting.
- q) During defects liability period, the Contractor has to set right the defects of any kind in the manufacture, laying and jointing of sewer lines and its appurtenant works and construction of wet wells cum pumping stations, operator room and other civil, electrical and mechanical works in his scope of work including replacement of defective items, labour and technical services if required and also making good the restored road surface as mentioned above in case of settlement.
- r) Submission of as built drawings of sewer line/pumping main including L-section and Cross sections and also for all wet well cum pumping stations, operator room and other ancillary building/ units.
- s) The Contractor is required to carefully examine the location of the Works and their alignments and to make special enquiries and co-ordinate with all departments /authorities concerning all utility lines such as water pipes, sewers, gas pipe, telephone (underground and/or overhead) lines, optic fibre cables, electric and telecommunication cables (underground and/or overhead) lines, any other utility lines etc; and to determine and verify to his own satisfaction the character, sizes, position and lengths of such utilities from authentic records. The Contractor shall be

wholly responsible for the protection and/or relocation of such utilities as may be required, and shall not make any claim for extra work or extra time.

- t) Contractor has to submit the AS Built Drawings (ABD) with geographical coordinates of the network, manholes in GIS map showing the offset from the buildings for easy updates and maintenance. The as built drawings should be got approved by the PMC.

**Part 2: Preparation of land for the construction of STP by excavating loose slushy soil in marshy land to a depth of Aprox. 1.5m (R.L of existing GL is 1.06, to be excavated upto RL -0.44), construction of retaining wall on three sides i.e., for a length of approximately 200m with approximately 1m deep foundation and 1m wall (2m high Retaining wall from foundation RL -0.44 to a RL1.56 i.e., the existing GL) and refilling it with suitable soils (for construction of STP), brought from the approved source (to be obtained by the bidder) to reach a height of 3m from foundation level (From RL -0.44 to RL 2.56m), compacting it the soil to achieve the desired density of 96% and above to make the area suitable for construction. Side slope of the embankment should be 1 in 5 and the size of the land to be developed should be 50m X 50M at the surface i.e., at RL 2.56m.**

**And**

**The design, supply, construction, installation of Sewage Treatment Plant(STP) (Package Type) suitable for treating 2.0 MLD (Million Litres per Day) of sewage, complete in all respects on turnkey basis including design and construction of structures for various units, supply and installation of mechanical, electrical equipment, instruments along with all piping works and other connected works**

**Site Preparation:**

- a) Clearing of proposed site from all debris, stripping of the area, removing vegetation, grass, shrubs, roots etc.
- b) Earthwork excavation of all slushy / loose soil from the existing ground level of 1.06m upto -0.44m (depth of 1.5m from the existing ground level). However if the soils is not found suitable necessary modifications need to be done. It is advised to visit and study the site before bidding for clarifications. No extra cost will be paid for any deviations.
- c) Preparation of embankment with a 1:2 slope as per applicable standards and and as directed by the Engineer. Top width of the embankment should be 4m
- d) Layer by Layer of filling, each layer not to exceed 300mm in depth and compacted as per applicable specifications
- e) Final level should be 4m above the excavated level.
- f) Final dressing of top layer and side slope to required profile /levels / slope etc.
- g) All assistance to soil improvement agency to carry out their soil improvement works such as dressing, cleaning, excavating and installing instrumentation system etc

**Sewage Treatment Plant**

- a) The inlet parameters observed are given in appendix and the outlet parameters needed are as per the latest PCB norms and CPHEEO standards.
- b) Construction of Diesel Generator room and operator room at the STP location
- c) Supply, delivery, erection and commissioning Chain Pulley block, geared trolley and HOT/ Monorail crane as specified in bill of quantities.
- d) Supply, Delivery, Erection and Commissioning of Diesel Generator Set and transformers for wet well wherever necessary as specified in the bill of quantities.
- e) The tentative influent characteristics and effluent characteristics are shown in the table below. Contractor shall collect the influent sample and design STP to achieve the effluent characteristics suitable for sea disposal. Overflows in the network or failure to maintain the network properly or Non-functioning STP for more than 6 hours at any time during the construction and operations will attract the forfeiting the BG.

Project: 2.0 MLD SEWAGE TREATMENT PLANT AT YETIMOGA, KAKINADA			
S. No	Particulars	Specs	Units
1	<b>Location</b>	Yetimoga, Kakinada	
2	<b>Population</b>		
	a As per Census 2011 approx	12939	Nos
	b Projected approx. (2048)	18749	Nos
3	<b>Water Supply</b>		
	a Present LPCD	135	LPCD
	b Total water supply	2.53	MLD
4	Sewage Generation		
	Sewage Generation (80% g of total supply) If its UGD	2.03	MLD
	<b>say</b>	<b>2</b>	<b>MLD</b>
4	<b>Inlet Sewage Parameters</b>		
	BOD@20	mg/L	500
	COD	mg/L	700
	TSS	mg/L	300
	TN	mg/L	50
	O&G	mg/L	20
	FC	MPN/100 ml	10 <sup>1</sup> 8-10 <sup>2</sup>
5	<b>Desired Parameters</b>		
	BOD@20	mg/L	5
	COD	mg/L	5
	TSS	mg/L	10
	TN	mg/L	10
	O&G	mg/L	10
	FC	MPN/100 ml	100

- f) The total capacity of the plant should be 2.0 MLD
- g) Life cycle cost of the plant is considered for 10 years
- h) All necessary components of the plant shall be designed and submitted for approval before execution of the work.

#### General Instructions

- i) The bidder/ contractor is expected to visit site to get himself acquainted with prevailing site conditions i.e., availability of water, power, approach road etc., before quoting for this tender. The bidder/ contractor shall be entirely responsible for provision of all such utilities. No delay shall be entertained on this account.



- j) The bidder/ contractor may have to arrange temporary power connection from the local Electric Supply Authority by his effort and cost. Alternatively, bidder/ contractor shall have to carry out the work with his own DG sets at no extra cost.
- k) Drawings accompanying the tender document are indicative of scope of work and issued for tendering purpose only. Basic engineering and routing and general arrangement drawings will be supplied to the successful bidder/ Contractor.
- l) Any additional material, which are not specifically mentioned in the technical specifications but are required to make the system complete in all respects for safe operation and guaranteed performance, shall be included in the scope of work of the bidder/ contractor.
- m) All materials supplied shall be new, of best quality and tested in accordance with the latest version of the relevant Indian standards or relevant International standard & codes acceptable to Engineer in charge. The bidder/ contractor shall indicate make and grade of all bought out items for approval.

**Part 3: Operation & Maintenance of Yetimogga Sewerage system including Collection network, Sewage Treatment Plant ( STP) and handing over the system to KMC after 5 years in good working condition.**

Scope of work includes Manning, Operation & Maintenance of all units of the sewage (collection) network and STP during entire period of operation & maintenance of 5 years.

This O&M contract will commence from the date of completion & commissioning of the sewerage network and STP. In other words, the O&M period starts from the day the entire system becomes functional.

The contractor shall be responsible for the safety of all the equipment at all the stations, & contractor's materials & tools if any he is entrusted and also for the watch and ward for water supply & UGD systems.

**OPERATION AND MAINTENANCE PERIOD**

The Operation and Maintenance period of 5 years starts from the date of commencement of the network and STP. This period can be extended by mutual agreement on such terms and conditions as will be agreed to.

The Contractor shall comply with the provisions of following Clause during Operation and Maintenance Period and may be required to carry out routine Maintenance and repairs for the renovation of fair wear and tear due to operation of the Works.

The Contractor should endeavor & ensure running of the system for 365 days during which the sewerage system shall not be stopped for the reasons other than mentioned below:

- Power shutdown by APSEB.
- Any Electrical breakdown.
- Pipeline breakdown.
- Raw water inflow problems.
- Due to any other reasons specified by the ULB
- Pumping Plant breakdown

Even in the cases mentioned above, the restoration of the system should be done with least interruption.

- The rates offered by the contractors should include the minor repairs, attended for regular maintenance.
- Construction and manufacturing defects during defect liability period shall be attended by the contractor at his own cost.
- The rate offered by the Contractor should be inclusive of all charges, the cost of materials required for rectification of breakdowns.
- Tools and tackles required for operation and maintenance should be provided by the contractor.
- Maintenance of records and printing of stationary will be the sole responsibility of the contractor. The records should be maintained as per the approved formats.
- The operation and maintenance contract covered by this agreement shall be for 60 months.
- The Operation and Maintenance contract is extendable for further period as per site requirement with mutual consent of both parties.

The Manning Operation and Maintenance of which are vital for smooth operation of STP which is a part of essential public utility services. The authority competent to accept the tender reserve the right to put to an end the contract by giving (7) days Notice duly forfeiting the EMD in addition to the liquidated recoveries imposed (if any) on the matter as the case may be, for failure on the part to maintain the performance of service personnel as required, inaction, negligence and non-compliance of contractual obligation by the contracting agency. The contracting agency would be responsible for all the consequences on termination of contract and the ULB will not consider any sort of claim / compensation therefore.

- The job of operation and maintenance shall include the following in each shift.
- Reading and recording various meters and gauges including adjusting and operating controls and filling/writing daily log sheet of the installation as per directions of Engineer-in-charge.
- Receiving/handling/accounting of any consumable stores issued by the Engineer.
- Use of any tools or plants for operation and maintenance of the installation and up-keeping all such tools and plants, equipment, stores and other items of inventory in safe custody and be readily accessible in times of necessity.
- Issue necessary operating instructions to operators of different installations.
- Tightening of foundation bolts, checking of oil, lubricating, greasing, preventing leakage, cleaning the equipment every day whenever required.
- The installations shall be manned and operated on all the 365 - days and 7 - days of the week irrespective of holidays and Sundays and 24-hours a day
- All stoppages shall be repaired expeditiously.
- Daily charts of the personnel are to be displayed in the premises. The engineer in charge can inspect the attendance on the basis daily charts.
- The contractors are expected to employ reserve operators in performance of contract consequent to labour regulations/statute on working of personnel on National Holidays etc., and also on any day when operator(s) is/are absent from duty.
- All payments for manning operations shall be made on the basis of approved duty charts but

limited to actual performance as entered in log sheets. (The EPF, Insurance contribution, service tax etc., will be reimbursed). The Contractor is responsible for the payment of statutory levies & other charges and to maintain the record thereof.

- The cost of repairs / modifications necessary due to negligence of operator shall be recovered from the contractor as per assessment of Engineer-in-charge. If the contractor fails to repair within the period given to him the same will be got repaired through other agency at the risk and cost of the contractor.
- The operating personnel shall be qualified and experienced in the trade for which he is employed. The contractor shall employ skilled workmen holding proper license under IE Act / Rules. This provision shall be complied with even if the contractor is a registered electrical contractor. The contractor shall be responsible for complying with the applicable provisions of IE Act rules.
- The contractor shall produce certificates of qualifications and experience to the satisfaction of the Engineer-in-charge.
- The operating personnel shall have thorough knowledge of safety precautions during emergency cases and also be conversant with the APTRANSCO/ APGENCO/APCDCL rules/regulations, IE Act/ Rules and Indian Factory Act/Rules.
- The contractor shall provide a Notice Board on which the precautions to be taken by operation and maintenance staff have to be exhibited.

### **1.3. WORK PLAN**

The Contractor shall prepare the work plan for the execution of works, which includes procurement of pipes before starting of the works. The Contractor should note that the details given in the tender drawings are to serve as a general guidance only. Some of these details are likely to change at the time of furnishing Construction drawings. The Contractors should execute the works at the same quoted rates for various items of works at the time of the construction

### **1.4. TIME OF COMPLETION**

Time of completion of all the (CAPEX) works shall be 18 calendar months (inclusive of monsoon period) from the date of issue of notice to commence including trial running for a period of 6 months and O&M is for 5 years after the successful completion of the trial running period of 6 months (part of CAPEX).

## **1.5. GENERAL**

### **31 Equivalency of Standards and Codes**

Wherever reference is made in the Contract to specific standards and codes to be met by the goods and materials to be furnished, and work performed or tested, the provisions of the latest current edition or revision of the relevant standards and codes in effect shall apply, unless otherwise stated in the Contract. Where such standards and codes are national, or relate to a particular country or region, other authoritative standards which ensure an equal or higher quality than the standards and codes specified will be acceptable subject to the Engineer's prior review and written approval. Differences between the standards specified and the proposed alternative standards must be fully described in writing by the Contractor and submitted to the Engineer at least 28 days prior to the date when the Contractor desires the Engineer's approval. In the event the Engineer determines that such proposed deviations

do not ensure equal or higher quality, the Contractor shall comply with the standards specified in the documents.

### **32 Sign Board**

The Contractor shall provide a few sign boards at the sites of the works of approved size and design as directed by the Engineer, which provides (i) the name of the Project and the Financing Agency (ii) the names and addresses of the Employer, the Contractor and the Consultant; (iii) the name and short description of the Project, (iv) the amount of the Contract Price; and (v) the starting and completion dates. Such signboards shall be located at a few places in the project coverage area as directed by the Engineer. Contractor shall take care of signboard and replace it in case of loss, damage, theft etc., as desired by the Engineer. The sign boards may be in English or Telugu or in both as directed by the Engineer.

### **33 Samples and Tests**

The Contractor shall be responsible to develop a quality control program and to provide all necessary materials, apparatus, instruments, equipment, facilities and qualified staff for sampling, testing and quality control of the materials and the works under the Contractor. Without limiting the generality of the foregoing, the Contractor shall either (i) establish a testing laboratory at the site of works which is adequately equipped and staffed to carry out all sampling and testing in accordance with the requirement set out in the General Specifications and/or these Special Specifications and provide all field equipment and apparatus as necessary to conduct all specified in-situ tests and/or any Tests on Completion, or (ii) arrange for routine sampling, testing and reporting, as required, through a certified independent testing laboratory acceptable to the Engineer. The Contractor shall obtain the approval of the Engineer for the quality control programme developed by him and incorporate any modifications suggested by the Engineer at no extra cost.

All costs of such sampling, testing and reporting of test results will be borne by the Contractor, and the Contractor shall include sufficient provisions in his tendered rates to allow for independent sampling and laboratory testing under the direction of the Engineer in -charge at no additional cost. The Contractor shall furnish certified copies of all test reports to the Engineer within 3 days of completion of the specified tests.

### **34 Protection of Utilities**

The Contractor is required to carefully examine the location of the Works and their alignments and to make special enquiries and co-ordinate with all departments /authorities concerning all utility lines such as water pipes, sewers, gas pipe, telephone (underground and/or overhead) lines, optic fibre cables, electric and telecommunication cables (underground and/or overhead) lines, any other utility lines etc; and to determine and verify to his own satisfaction the character, sizes, position and lengths of such utilities from authentic records. The Contractor shall be wholly responsible for the protection and/or relocation of such utilities as may be required, and shall not make any claim for extra work or extra time that may be required to protect or facilitate relocating such utilities. Any damaged to the Utilities shall be restored/ repaired at Contractor's own cost as per the rules/guidelines of the concerned departments and as directed by the Engineer in charge of the work.

In case the alignment of the pipeline crosses the high tension electrical transmission lines belonging to the APCDCL or other authorities/ departments, the Contractor shall take all precautions necessary to see that the work is carried out with care and safety, without disturbing such transmission lines. The Contractor will be responsible to carry out all construction activities in such reaches in consultation with the owners of such facilities. However, satisfactory completion of the entire work will be the responsibility of the Contractor.

All necessary liaison work with APCDCL, Electrical inspectorate, Pollution Control boards and any other statutory agencies or departments for inspections, issue of NOC for sanction of power supply, permission to run DG sets, commissioning of transformer and HT/LT line extensions etc., upto complete commissioning of the complete plant is the responsibility of the contractor at no extra cost. Statutory payments for commissioning of electrical items shall be borne by the employer.

### **35 Tests during Construction**

For ensuring the requisite quality of construction, the Materials and Works shall be subject to the quality control tests as described in Standard Specifications and Quality Control Manual as applicable and as directed by the Engineer. The testing frequencies set forth are desirable minimum and the Engineer shall have full authority to get the additional tests carried out by the Contractor as frequently as he may deem necessary, to satisfy himself that the Materials and Works comply with the appropriate Specifications. Third party inspection may be arranged as and when required by the Engineer for the tests.

Where no specific testing procedure is mentioned, the tests shall be carried out as per the prevalent accepted Engineering practice to the directions of the Engineer.

## **1.6. Contractor's Responsibility**

### **36 Preparatory work**

The contractor shall inspect the route along which the sewer line is proposed to be laid. He should observe/ find out the existing underground utilities/ construction and propose suitable alignment along which the sewer line is to be laid. He should make all efforts to keep the pipe as straight as possible with the help of ranging rods. The alignment as proposed should be marked on ground with a line of white chalk and got approved from Engineer.

The Contractor shall prepare L-Sections and strip plans along with this alignment showing the location of proposed pipeline, existing underground utilities, existing electric poles and telephone poles, Monuments and Ancient structures, drainage or culvert crossings, cross roads, land marks and any other information available. The L-section and strip plans should be got approved from the Engineer before starting the excavation. The position of manholes, vent shafts etc, should be shown on the plan. While quoting the rates for earthwork excavation the contractor should consider this and quote the rates accordingly

### **37 Alignment and the L-Sections**

The alignments, depth of laying and location of manholes, valves and chambers may be changed at site in co-operation with and after approval of the Engineer. The minimum soil cover to the top of the pipe crown shall be 0.2 to 0.5 m.

The Contractor shall be responsible for the adequate pumping, drainage and bailing out of water from the excavation. In case of failure to make such provisions or any other provisions, which may result in unsuitable sub-grade conditions, the Contractor shall replace and repair the sub-grade as directed to the satisfaction of the Engineer, at his own cost and responsibility.

Should the Contractor select to use a gravel sub-grade to facilitate flow of water to pumps or other points of disposal, such gravel sub-grade shall not be measured or paid for as an extra item.

The alignments, L-section, depth of laying and location of manholes, valves and chambers may be changed at site in co-operation with and after approval of the Engineer. The minimum soil cover to the top of the pipe crown shall be 0.2 to 0.5 m.

The Contractor shall be responsible for the adequate pumping, drainage and bailing out of water from the excavation. In case of failure to make such provisions or any other provisions, which may result in unsuitable sub-grade conditions, the Contractor shall replace and repair the sub-grade as directed to the satisfaction of the Engineer, at his own cost and responsibility.

Should the Contractor select to use a gravel sub-grade to facilitate flow of water to pumps or other points of disposal, such gravel sub-grade shall not be measured or paid for as an extra item.

### **38 Ancillary Works**

The Contractor shall built Manholes, Vent shaft, Drop manholes, Valve Chambers, Thrust Blocks, Anchor Blocks, Pipe Supports, Pipe Ducts, Pipe bedding and such other miscellaneous structures that may be required at the locations shown by the Engineer and as shown in the drawings or as may be otherwise specified or directed. The specifications of these ancillary structures shall generally be as specified in Standard Specifications for Procurement of Project Works, unless otherwise specified in this Section or advised by the Engineer based on the site conditions.

### **39 Manholes**

Manholes shall be constructed at places as shown in the drawings or as directed by Engineer for which payment shall be made at quoted rates. Any manholes required to be provided extra, at the locations shown by the Engineer, shall be provided by the Contractor, for which payment shall be made extra at the quoted rates. The Contractor is responsible for giving suitable connections at the junctions of sewer lines with the manholes.

#### **1.7. Specification General and Particular:**

Detailed specifications to be followed while providing the sewerage network / STP to Yetimogga by the successful bidder/ contractor are given in the annexure 2.

#### **1.8. List of Drawings enclosed with the document**

- ❖ Plan showing the Ground Level, Invert Levels, Manhole number, Pipe details etc..

## ❖ Standard Drawings





## **PART 3 – Conditions of Contract and Contract Forms**

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## **Section VI - General Conditions of Contract (GCC)**



## General Conditions

<b>1. GENERAL PROVISIONS</b>	
<b>1.1 DEFINITIONS</b>	<p>In the Conditions of Contract (“these Conditions”), which include Special Conditions of Contract, Parts A and B, and these General Conditions, the following words and expressions shall have the meanings stated. Words indicating persons or parties include corporations and other legal entities, except where the context requires otherwise.</p>
<b>1.1.1 THE CONTRACT</b>	<p>1.1.1.1 <b>“Contract”</b> means the Contract Agreement, the Letter of Award, the “Work Order”, “Letter of Bid” these Conditions, the Specification, the Drawings, the Schedules, and the further documents (if any) which are listed in the Contract Agreement or in the Letter of Award between the Employer and the Contractor.</p> <p>1.1.1.2 <b>“Contract Agreement”</b> means the contract agreement referred to in Sub-Clause 1.6 [Contract Agreement].</p> <p>1.1.1.3 <b>“Letter of Award”</b> means the letter of formal acceptance, signed by the Employer, indicating formal acceptance of the Most Advantageous Bid and intention of entering into contract with the successful bidder.</p> <p>1.1.1.4 <b>“Letter of Bid”</b> means the document entitled letter of bid, which was completed by the Contractor and includes the signed offer to the Employer for the Works.</p> <p>1.1.1.5 <b>“Specification”</b> means the document entitled specification, as included in the Contract, and any additions and modifications to the specification in accordance with the Contract. Such document specifies the Works.</p> <p>1.1.1.6 <b>“Drawings”</b> means the drawings of the Works, as included in the Contract, and any additional and modified drawings issued by (or on behalf</p>

	<p>of) the Employer in accordance with the Contract.</p> <p>1.1.1.7 <b>“Schedules”</b> means the document(s) entitled schedules, completed by the Contractor and submitted with the Letter of Bid, as included in the Contract. Such document may include the Bill of Quantities, data, lists, and schedules of rates and/or prices.</p> <p>1.1.1.8 <b>“Tender”</b> means the Letter of Bid and all other documents which the Contractor submitted with the Letter of Bid, as included in the Contract.</p> <p>1.1.1.9 <b>“Bill of Quantities”</b> mean the documents so named (if any) which are comprised in the Schedules.</p> <p>1.1.1.10 <b>“Contract Data”</b> means the pages completed by the employer entitled contract data which constitutes Part-A of the Special Conditions of the Contract.</p> <p>1.1.1.11 <b>“Letter of Acceptance”</b> means the letter of formal acceptance, signed by the bidder after the receipt of Letter of Award confirming their acceptance</p> <p>1.1.1.12 <b>“Work Order ”</b> means the letter of formal award of work, signed by the Employer given after the signing of the Contract Agreement by both Parties.</p> <p>1.1.1.13 <b>“Key Dates”</b> means the sheet titled “Key dates” released along with the RFP giving important dates pertaining to Contract like Bid opening and closing date, Pre Bid meeting date, submission date etc.</p>
<p><b>1.1.2 PARTIES AND PERSONS</b></p>	<p>1.1.2.1 <b>“Party”</b> means the Employer or the Contractor, as the context requires.</p> <p>1.1.2.2 <b>“Employer”</b> means the person named as employer in the Contract Data and the legal successors in title to this person.</p>

	<p>1.1.2.3 “<b>Contractor</b>” means the person(s) named as contractor in the Letter of Bid accepted by the Employer and the legal successors in title to this person(s).</p> <p>1.1.2.4 “<b>Engineer</b>” means the person appointed by the Employer to act as the Engineer for the purposes of the Contract and named in the Contract Data, or other person appointed from time to time by the Employer.</p> <p>1.1.2.5 “<b>Contractor’s Representative</b>” means the person named by the Contractor in the Contract or appointed from time to time by the Contractor under Sub-Clause 4.3 [Contractor’s Representative], who acts on behalf of the Contractor.</p> <p>1.1.2.6 “<b>Employer’s Personnel</b>” means the Engineer, the assistants referred to in Sub-Clause 3.2 [Delegation by the Engineer] and all other staff, labour and other employees of the Engineer and of the Employer; and any other personnel notified to the Contractor, by the Employer or the Engineer, as Employer’s Personnel.</p> <p>1.1.2.7 “<b>Contractor’s Personnel</b>” means the Contractor’s Representative and all personnel whom the Contractor utilises on Site, who may include the staff, labour and other employees of the Contractor and of each Subcontractor; and any other personnel assisting the Contractor in the execution of the Works.</p> <p>Contractor’s Personnel includes Key Personnel as named in “Contract Data.”</p> <p>1.1.2.8 “<b>Subcontractor</b>” means any person named in the Contract as a subcontractor, or any person appointed as a subcontractor, for a part of the Works; and the legal successors in title to each of these persons.</p> <p>1.1.2.9 The “<b>Adjudicator</b>” is the person appointed jointly by the Employer and the Implementing</p>
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	<p>Agency to resolve disputes in the first instance, as provided for in GCC 20.2 [Appointment of Adjudicator] hereunder.</p> <p>1.1.2.10 <b>“PMC”</b> means Project Management Consultant as appointed by the Employer to oversee policy, design, implementation of the works as the case may be.</p> <p>1.1.2.11 <b>“GoAP”</b> means Government of Andhra Pradesh</p>
<p><b>1.1.3 DATES, TESTS, PERIODS AND COMPLETION</b></p>	<p>1.1.3.1 <b>“Base Date”</b> means the date 14 days prior to the latest date for submission of the Tender.</p> <p>1.1.3.2 <b>“Commencement Date”</b> means the date notified under Sub-Clause 8.1 [Commencement of Works].</p> <p>1.1.3.3 <b>“Time for Completion”</b> means the time for completing the Works or a Section (as the case may be) under Sub-Clause 8.2 [Time for Completion], as stated in the Contract Data (with any extension under Sub-Clause 8.4 [Extension of Time for Completion]), calculated from the Commencement Date.</p> <p>1.1.3.4 <b>“Tests on Completion”</b> means the tests which are specified in the Contract or agreed by both Parties or instructed as a Variation, and which are carried out under Clause 9 [Tests on Completion] before the Works or a Section (as the case may be) are taken over by the Employer.</p> <p>1.1.3.5 <b>“Taking-Over Certificate”</b> means a certificate issued under Clause 10 [Employer’s Taking Over].</p> <p>1.1.3.6 <b>“Tests after Completion”</b> means the tests (if any) which are specified in the Contract and which are carried out in accordance with the Specification after the Works or a Section (as the case may be) are taken over by the Employer.</p> <p>1.1.3.7 <b>“Defects Liability Period”</b> means the period for notifying defects in the Works or a Section</p>

	<p>(as the case may be) under Sub-Clause 11.1 [Completion of Outstanding Work and Remedying Defects], which extends to 2 years except if otherwise stated in the Contract Data (with any extension under Sub-Clause 11.3 [Extension of Defects Liability Period]), calculated from the date on which the Works or Section is completed as certified under Sub-Clause 10.1 [Taking Over of the Works and Sections].</p> <p>1.1.3.8 <b>“Performance certificate”</b> means the certificate issued under sub-clause 11.7 [performance certificate].</p> <p>1.1.3.9 <b>“Day”</b> means a calendar day and <b>“year”</b> means 365 days.</p> <p>1.1.3.10 <b>“Completion”</b> means the new facility/ work as defined in the Scope of work completed in accordance with the Specifications/ Scope of Work as given in Section V and the Contractor is entitled to have Completion Certificate issued from the Employer</p> <p>1.1.3.11 <b>“Completion Certificate”</b> means certificate issued by the Employer on successful completion of “Tests on Completion”</p>
<p><b>1.1.4 MONEY AND PAYMENTS</b></p>	<p>1.1.4.1 <b>“Accepted Contract Amount”</b> means the amount accepted in the Letter of Acceptance for the execution and completion of the Works and the remedying of any defects.</p> <p>1.1.4.2 <b>“Contract Price”</b> means the price defined in Sub-Clause 14.1 [The Contract Price], and includes adjustments in accordance with the Contract.</p> <p>1.1.4.3 <b>“Cost”</b> means all expenditure reasonably incurred (or to be incurred) by the Contractor, whether on or off the Site, including overhead and similar charges, but does not include profit.</p>

	<p>1.1.4.4 “<b>Final Payment Certificate</b>” means the payment certificate issued under Sub-Clause 14.11 [Issue of Final Payment Certificate].</p> <p>1.1.4.5 “<b>Final Statement</b>” means the statement defined in Sub-Clause 14.9 [Application for Final Payment Certificate].</p> <p>1.1.4.6 “<b>Interim Payment Certificate</b>” means a payment certificate issued under Clause 14 [Contract Price and Payment], other than the Final Payment Certificate.</p> <p>1.1.4.7 “<b>Local Currency</b>” means the currency of the Country.</p> <p>1.1.4.8 “<b>Payment Certificate</b>” means a payment certificate issued under Clause 14 [Contract Price and Payment].</p> <p>1.1.4.10 “<b>Provisional Sum</b>” means a sum (if any) which is specified in the Contract as a provisional sum, for the execution of any part of the Works or for the supply of Plant, Materials or services.</p> <p>1.1.4.11 “<b>Retention Money</b>” means the accumulated retention moneys which the Employer retains under Sub-Clause 14.3 [Application for Interim Payment Certificates] and pays under Sub-Clause 14.7 [Payment of Retention Money].</p> <p><b>1.1.4.12 “Statement”</b> means a statement submitted by the Contractor as part of an application, under Clause 14 [Contract Price and Payment], for a payment certificate.</p>
<p><b>1.1.5 WORKS AND GOODS</b></p>	<p>1.1.5.1 “<b>Contractor’s Equipment</b>” means all apparatus, machinery, vehicles and other things required for the execution and completion of the Works and the remedying of any defects. However, Contractor’s Equipment excludes Temporary Works, Employer’s Equipment (if any), Plant, Materials and any other things intended to form or forming part of the Permanent Works.</p>

	<p>1.1.5.2 <b>“Goods”</b> means Contractor’s Equipment, Materials, Plant and Temporary Works, or any of them as appropriate.</p> <p>1.1.5.3 <b>“Materials”</b> means things of all kinds (other than Plant) intended to form or forming part of the Permanent Works, including the supply-only materials (if any) to be supplied by the Contractor under the Contract.</p> <p>1.1.5.4 <b>“Permanent Works”</b> means the permanent works to be executed by the Contractor under the Contract.</p> <p>1.1.5.5 <b>“Plant”</b> means the apparatus, machinery and other equipment intended to form or forming part of the Permanent Works, including vehicles purchased for the Employer and relating to the construction or operation of the Works.</p> <p>1.1.5.6 <b>“Section”</b> means a part of the Works specified in the Contract Data as a Section (if any)</p> <p>1.1.5.7 <b>“Temporary Works”</b> means all temporary works of every kind (other than Contractor’s Equipment) required on Site for the execution and completion of the Permanent Works and the remedying of any defects.</p> <p>1.1.5.8 <b>“Works”</b> mean the Permanent Works and the Temporary Works, or either of them as appropriate.</p> <p>1.1.5.9 <b>“Approval/ Approved”</b> shall mean and include documents checked, vetted and approved by the Employer</p> <p>1.1.5.10 <b>“BIS/ Bureau of Indian Standards”</b> means the statutory regulatory authority responsible for fixing standards and whenever it is referred in the contract it shall imply reference to the latest version of the standard.</p>
<p><b>1.1.6 OTHER DEFINITIONS</b></p>	<p>1.1.6.1 <b>“Contractor’s Documents”</b> means the calculations, computer programs and other software, drawings, manuals, models and</p>

	<p>other documents of a technical nature (if any) supplied by the Contractor under the Contract.</p> <p>1.1.6.2 <b>“Employer’s Equipment”</b> means the apparatus, machinery and vehicles (if any) made available by the Employer for the use of the Contractor in the execution of the Works, as stated in the Specification; but does not include Plant which has not been taken over by the Employer.</p> <p>1.1.6.3 <b>“Force Majeure”</b> is defined in Clause 19 [Force Majeure].</p> <p>1.1.6.4 <b>“Laws”</b> means all national (or state) legislation, statutes, ordinances and other laws, and regulations and by-laws of any legally constituted public authority.</p> <p>1.1.6.5 <b>“Performance Security”</b> means the security (or securities, if any) under Sub-Clause 4.2 [Performance Security].</p> <p>1.1.6.6 <b>“Site”</b> means the places where the Permanent Works are to be executed, including storage and working areas, and to which Plant and Materials are to be delivered, and any other places as may be specified in the Contract as forming part of the Site.</p> <p>1.1.6.7 <b>“Unforeseeable”</b> means not reasonably foreseeable by an experienced contractor by the Base Date.</p> <p>1.1.6.8 <b>“Variation”</b> means any change to the Works, which is instructed or approved as a variation under Clause 13 [Variations and Adjustments].</p> <p>1.1.6.9 <b>“Notice of Dissatisfaction”</b> means the notice given by either Party to the other under Sub-Clause 20.3 [Obtaining Adjudicator’s Decision] indicating its dissatisfaction and intention to commence arbitration.</p>
<p><b>1.2 INTERPRETATION</b></p>	<p>In the Contract, except where the context requires otherwise:</p>



	<p>(a) words indicating one gender include all genders;</p> <p>(b) words indicating the singular also include the plural and words indicating the plural also include the singular;</p> <p>(c) provisions including the word “agree”, “agreed” or “agreement” require the agreement to be recorded in writing;</p> <p>(d) “written” or “in writing” means hand-written, type-written, printed or electronically made, and resulting in a permanent record; and</p> <p>(e) the word “tender” is synonymous with “bid” and “tenderer” with “bidder” and the words “tender documents” with “bidding documents.”</p> <p>The marginal words and other headings shall not be taken into consideration in the interpretation of these Conditions.</p>
<p><b>1.3 COMMUNICATIONS</b></p>	<p>Wherever these Conditions provide for the giving or issuing of approvals, certificates, consents, determinations, notices, requests and discharges, these communications shall be:</p> <p>(a) in writing and delivered by hand (against receipt), sent by mail or courier, or transmitted using any of the agreed systems of electronic transmission as stated in the Contract Data; and</p> <p>(b) delivered, sent or transmitted to the address for the recipient’s communications as stated in the Contract Data. However:</p> <p>(i) if the recipient gives notice of another address, communications shall thereafter be delivered accordingly; and</p> <p>(ii) if the recipient has not stated otherwise when requesting an approval or consent, it may be sent to the address from which the request was issued.</p> <p>Approvals, certificates, consents and determinations shall not be unreasonably withheld or delayed. When a certificate is issued to a Party, the certifier shall send a</p>

	<p>copy to the other Party. When a notice is issued to a Party, by the other Party or the Engineer, a copy shall be sent to the Engineer or the other Party, as the case may be.</p>
<b>1.4 LAW AND LANGUAGE</b>	<p>The Contract shall be governed by the laws of Union of India.</p> <ul style="list-style-type: none"> <li>■ Indian Contract Act, 1872</li> <li>■ Sale of Goods Act, 1930</li> <li>■ The Arbitration and Conciliation Act, 1996</li> </ul> <p>The ruling language of the Contract shall be English</p>
<b>1.5 PRIORITY OF DOCUMENTS</b>	<p>The documents forming the Contract are to be taken as mutually explanatory of one another. For the purposes of interpretation, the priority of the documents shall be in accordance with the following sequence:</p> <ol style="list-style-type: none"> <li>(a) the Contract Agreement,</li> <li>(b) the Work Order</li> <li>(c) the Letter of Acceptance,</li> <li>(d) the Letter of Award,</li> <li>(e) the Letter of Bid,</li> <li>(f) the Special Conditions of Contract – Part A,</li> <li>(g) the Special Conditions of Contract – Part B</li> <li>(h) these General Conditions</li> <li>(i) the Specification,</li> <li>(j) the Drawings, and</li> <li>(k) the Schedules and any other documents forming part of the Contract.</li> </ol> <p>If an ambiguity or discrepancy is found in the documents, the Engineer shall issue any necessary clarification or instruction.</p>

<p><b>1.6 CONTRACT AGREEMENT</b></p>	<p>The Parties shall enter into a Contract Agreement within 10 days after the Contractor receives the Letter of Award unless the Special Conditions of Contract establish otherwise. The Contract Agreement shall be based upon the form annexed to the Special Conditions of Contract. The costs of stamp duties and similar charges (if any) imposed by law in connection with entry into the Contract Agreement shall be borne by the Successful Bidder.</p>
<p><b>1.7 ASSIGNMENT</b></p>	<p>Neither Party shall assign the whole or any part of the Contract or any benefit or interest in or under the Contract.</p>
<p><b>1.8 CARE AND SUPPLY OF DOCUMENTS</b></p>	<p>The Specification and Drawings shall be in the custody and care of the Employer. Unless otherwise stated in the Contract, two copies of the Contract and of each subsequent Drawing shall be supplied to the Contractor, who may make or request further copies at the cost of the Contractor.</p> <p>Each of the Contractor's Documents shall be in the custody and care of the Contractor, unless and until taken over by the Employer. Unless otherwise stated in the Contract, the Contractor shall supply to the Engineer six copies of each of the Contractor's Documents.</p> <p>The Contractor shall keep, on the Site, a copy of the Contract, publications named in the Specification, the Contractor's Documents (if any), the Drawings and Variations and other communications given under the Contract. The Employer's Personnel shall have the right of access to all these documents at all reasonable times.</p> <p>If a Party becomes aware of an error or defect in a document which was prepared for use in executing the Works, the Party shall promptly give notice to the other Party of such error or defect.</p>
<p><b>1.9 DELAYED DRAWINGS OR INSTRUCTIONS</b></p>	<p>The Contractor shall give notice to the Engineer whenever the Works are likely to be delayed or disrupted if any necessary drawing or instruction is not issued to the Contractor within a particular time, which shall be reasonable. The notice shall include details of</p>

	<p>the necessary drawing or instruction, details of why and by when it should be issued, and the nature and amount of the delay or disruption likely to be suffered if it is late.</p>
<p><b>1.10 EMPLOYER’S USE OF CONTRACTOR’S DOCUMENTS</b></p>	<p>As between the Parties, the Contractor shall retain the copyright and other intellectual property rights in the Contractor’s Documents and other design documents made by (or on behalf of) the Contractor.</p> <p>The Contractor shall be deemed (by signing the Contract) to give to the Employer a non-terminable transferable non-exclusive royalty-free licence to copy, use and communicate the Contractor’s Documents, including making and using modifications of them. This licence shall apply throughout the actual or intended working life (whichever is longer) of the relevant parts of the Works</p>
<p><b>1.11 CONTRACTOR’S USE OF EMPLOYER’S DOCUMENTS</b></p>	<p>As between the Parties, the Employer shall retain the copyright and other intellectual property rights in the Specification, the Drawings and other documents made by (or on behalf of) the Employer. The Contractor may, at his cost, copy, use, and obtain communication of these documents for the purposes of the Contract. They shall not, without the Employer’s consent, be copied, used or communicated to a third party by the Contractor, except as necessary for the purposes of the Contract.</p>
<p><b>1.12 CONFIDENTIAL DETAILS</b></p>	<p>The Contractor’s and the Employer’s Personnel shall disclose all such confidential and other information as may be reasonably required in order to verify compliance with the Contract and allow its proper implementation.</p> <p>Each of them shall treat the details of the Contract as private and confidential, except to the extent necessary to carry out their respective obligations under the Contract or to comply with applicable Laws. Each of them shall not publish or disclose any particulars of the Works prepared by the other Party without the previous agreement of the other Party. However, the Contractor shall be permitted to disclose any publicly available information, or information otherwise required to</p>

	establish his qualifications to compete for other projects.
<b>1.13 COMPLIANCE WITH LAWS</b>	The Contractor shall, in performing the Contract, comply with applicable Laws. Unless otherwise stated in the Special Conditions of Contract the Contractor shall give all notices, pay all taxes, duties and fees, and obtain all permits, licences and approvals, as required by the Laws in relation to the execution and completion of the Works and the remedying of any defects; and the Contractor shall indemnify and hold the Employer harmless against and from the consequences of any failure to do so, unless the Contractor is impeded to accomplish these actions and shows evidence of its diligence.
<b>1.14 JOINT AND SEVERAL LIABILITIES</b>	<p>If the Contractor constitutes (under applicable Laws) a joint venture, consortium or other unincorporated grouping of two or more persons:</p> <p>(a) these persons shall be deemed to be jointly and severally liable to the Employer for the performance of the Contract;</p> <p>(b) these persons shall notify the Employer of their leader who shall have authority to bind the Contractor and each of these persons; and</p> <p>(c) the Contractor shall not alter its composition or legal status without the prior consent of the Employer.</p>
<b>2. THE EMPLOYER</b>	
<b>2.1 RIGHT OF ACCESS TO THE SITE</b>	The Employer shall give the Contractor right of access to, and possession of, all parts of the Site within reasonable times to enable the contractor to proceed without disruption execution of the Work. The right and possession may not be exclusive to the Contractor. If, under the Contract, the Employer is required to give (to the Contractor) possession of any foundation, structure, plant or means of access, the Employer shall do so in the time and manner stated in the Specification. However, the Employer may

	withhold any such right or possession until the Performance Security has been received.
<b>2.2 PERMITS, LICENSES OR APPROVALS</b>	<p>The Employer shall provide, at the request of the Contractor, such reasonable assistance as to allow the Contractor to obtain properly any permits, licenses or approvals required by the Laws of the Country:</p> <ul style="list-style-type: none"> <li>(i) which the Contractor is required to obtain under Sub-Clause 1.13 [Compliance with Laws],</li> <li>(ii) for the delivery of Goods, including clearance through customs,</li> </ul> <p>The Contract price shall include all transportation charges and other expenses that may be incurred in this connection.</p>
<b>2.3 EMPLOYER'S PERSONNEL</b>	<p>The Employer shall be responsible for ensuring that the Employer's Personnel and the Employer's other contractors on the Site:</p> <ul style="list-style-type: none"> <li>(a) co-operate with the Contractor's efforts under Sub-Clause 4.6 [Co-operation], and</li> <li>(b) take actions similar to those which the Contractor is required to take under sub-paragraphs (a), (b) and (c) of Sub-Clause 4.8 [Safety Procedures] and under Sub-Clause 4.18 [Protection of the Environment].</li> </ul>
<b>2.4 EMPLOYER'S CLAIMS</b>	<p>If the Employer considers himself to be entitled to any payment under any Clause of these Conditions or otherwise in connection with the Contract, and/or to any extension of the Defects Liability Period, the Employer or the Engineer shall give notice and particulars to the Contractor. However, notice is not required for payments due under Sub-Clause 4.19 [Electricity, Water and Gas], under Sub-Clause 4.20 [Employer's Equipment and Free-Issue Materials], or for other services requested by the Contractor.</p> <p>The notice shall be given as soon as practicable and no longer than 28 days after the Employer became aware, or should have become aware, of the event or circumstances giving rise to the claim. A notice relating</p>

	<p>to any extension of the Defects Liability Period shall be given before the expiry of such period.</p> <p>This amount may be included as a deduction in the Contract Price and Payment Certificates. The Employer shall only be entitled to set off against or make any deduction from an amount certified in a Payment Certificate, or to otherwise claim against the Contractor, in accordance with this Sub-Clause.</p>
<p><b>3. THE ENGINEER</b></p>	
<p><b>3.1 ENGINEER'S DUTIES AND AUTHORITY</b></p>	<p>The Employer shall appoint the Engineer who shall carry out the duties assigned to him in the Contract. The Engineer's staff shall include suitably qualified engineers and other professionals who are competent to carry out these duties.</p> <p>The Engineer shall have no authority to amend the Contract.</p> <p>The Engineer may exercise the authority attributable to the Engineer as specified in or necessarily to be implied from the Contract. If the Engineer is required to obtain the approval of the Employer before exercising a specified authority, the requirements shall be as stated in the Special Conditions of Contract. The Employer shall promptly inform the Contractor of any change to the authority attributed to the Engineer.</p> <p>However, whenever the Engineer exercises a specified authority for which the Employer's approval is required, then (for the purposes of the Contract) the Employer shall be deemed to have given approval.</p> <p>Except as otherwise stated in these Conditions:</p> <ul style="list-style-type: none"> <li>(a) whenever carrying out duties or exercising authority, specified in or implied by the Contract, the Engineer shall be deemed to act for the Employer;</li> <li>(b) the Engineer has no authority to relieve either Party of any duties, obligations or responsibilities under the Contract;</li> </ul>

	<p>(c) any approval, check, certificate, consent, examination, inspection, instruction, notice, proposal, request, test, or similar act by the Engineer (including absence of disapproval) shall not relieve the Contractor from any responsibility he has under the Contract, including responsibility for errors, omissions, discrepancies and non-compliances; and</p> <p>(d) any act by the Engineer in response to a Contractor's request except as otherwise expressly specified shall be notified in writing to the Contractor within 28 days of receipt.</p> <p>The following provisions shall apply:</p> <p>The Engineer shall obtain the specific approval of the Employer before taking action under the following Sub-Clauses of these Conditions:</p> <p>(a) Sub-Clause 4.12: agreeing or determining an extension of time and/or additional cost.</p> <p>(b) Sub-Clause 13.1: instructing a Variation,</p> <p>(c) Sub-Clause 13.2: Approving a proposal for Variation submitted by the Contractor in accordance with Sub Clause 13.1</p> <p>Notwithstanding the obligation, as set out above, to obtain approval, if, in the opinion of the Engineer, an emergency occurs affecting the safety of life or of the Works or of adjoining property, he may, without relieving the Contractor of any of his duties and responsibility under the Contract, instruct the Contractor to execute all such work or to do all such things as may, in the opinion of the Engineer, be necessary to abate or reduce the risk. The Contractor shall forthwith comply, despite the absence of approval of the Employer, with any such instruction of the Engineer. The Engineer shall determine an addition to the Contract Price, in respect of such instruction, in accordance with Clause 13 and shall notify the Contractor accordingly, with a copy to the Employer.</p>
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<p><b>3.2 DELEGATION BY THE ENGINEER</b></p>	<p>The Engineer may from time to time assign duties and delegate authority to assistants, and may also revoke such assignment or delegation. These assistants may include a resident engineer, and/or independent inspectors appointed to inspect and/or test items of Plant and/or Materials. The assignment, delegation or revocation shall be in writing and shall not take effect until copies have been received by both Parties. However, unless otherwise agreed by both Parties, the Engineer shall not delegate the authority to determine any matter in accordance with Sub-Clause 3.5 [Determinations].</p> <p>Each assistant, to whom duties have been assigned or authority has been delegated, shall only be authorised to issue instructions to the Contractor to the extent defined by the delegation. Any approval, check, certificate, consent, examination, inspection, instruction, notice, proposal, request, test, or similar act by an assistant, in accordance with the delegation, shall have the same effect as though the act had been an act of the Engineer. However:</p> <p>(a) any failure to disapprove any work, Plant or Materials shall not constitute approval, and shall therefore not prejudice the right of the Engineer to reject the work, Plant or Materials;</p> <p>(b) if the Contractor questions any determination or instruction of an assistant, the Contractor may refer the matter to the Engineer, who shall promptly confirm, reverse or vary the determination or instruction.</p>
<p><b>3.3 INSTRUCTIONS OF THE ENGINEER</b></p>	<p>The Engineer may issue to the Contractor (at any time) instructions and additional or modified Drawings which may be necessary for the execution of the Works and the remedying of any defects, all in accordance with the Contract. The Contractor shall only take instructions from the Engineer, or from an assistant to whom the appropriate authority has been delegated under this Clause. If an instruction constitutes a Variation, Clause 13 [Variations and Adjustments] shall apply.</p>

	The Contractor shall comply with the instructions given by the Engineer or delegated assistant, on any matter related to the Contract. Whenever practicable, their instructions shall be given in writing.
<b>3.4 REPLACEMENT OF THE ENGINEER</b>	If the Employer intends to replace the Engineer, the Employer shall have the right to replace the Engineer
<b>3.5 DETERMINATIONS</b>	<p>Whenever these Conditions provide that the Engineer shall proceed in accordance with this Sub-Clause 3.5 to agree or determine any matter, the Engineer shall consult with each Party in an endeavour to reach agreement. If agreement is not achieved, the Engineer shall make a fair determination in accordance with the Contract, taking due regard of all relevant circumstances.</p> <p>The determination arrived by the Engineer shall be final and binding unless and until revised under Clause 20 [Claims, Disputes and Arbitration].</p>

<p><b>4. THE CONTRACTOR</b></p>	
<p><b>4.1 CONTRACTOR'S GENERAL OBLIGATIONS</b></p>	<p>The Contractor shall design (to the extent specified in the Contract), execute and complete the Works in accordance with the Contract and with the Engineer's instructions, and shall remedy any defects in the Works.</p> <p>The Contractor shall provide the Plant and Contractor's Documents specified in the Contract, and all Contractor's Personnel, Goods, consumables and other things and services, whether of a temporary or permanent nature, required in and for this design, execution, completion and remedying of defects.</p> <p>The Contractor shall be responsible for the adequacy, stability and safety of all Site operations and of all methods of construction. Except to the extent specified in the Contract, the Contractor (i) shall be responsible for all Contractor's Documents, Temporary Works, and such design of each item of Plant and Materials as is required for the item to be in accordance with the Contract, and (ii) shall not otherwise be responsible for the design or specification of the Permanent Works.</p> <p>Prior to the commencement of the Tests on Completion, the Contractor shall submit to the Engineer the "as-built" documents and, if applicable, operation and maintenance manuals in accordance with the Specification and in sufficient detail for the Employer to operate, maintain, dismantle, reassemble, adjust and repair this part of the Works. Such part shall not be considered to be completed for the purposes of taking-over under Sub-Clause 10.1 [Taking Over of the Works and Sections] until these documents and manuals have been submitted to the Engineer.</p>
<p><b>4.2 PERFORMANCE SECURITY</b></p>	<p>The Contractor shall obtain (at his cost) a Performance Security for proper performance, in the amount stated in the Contract Data and denominated in the currency (ies) of the Contract. If an amount is not stated in the Contract Data, this Sub-Clause shall not apply.</p> <p>The Contractor shall deliver the Performance Security to the Employer within 10 days after receiving the Letter of Award, and shall send a copy to the Engineer.</p>

	<p>The Contractor shall ensure that the Performance Security is valid and enforceable until the Contractor has executed and completed the Works and remedied any defects. If the terms of the Performance Security specify its expiry date, and the Contractor has not become entitled to receive the Performance Certificate by the date 28 days prior to the expiry date, the Contractor shall extend the validity of the Performance Security until the Works have been completed and any defects have been remedied.</p> <p>The Employer shall return the Performance Security to the Contractor within 21 days after receiving a copy of the Performance Certificate.</p> <p>Without limitation to the provisions of the rest of this Sub-Clause, whenever the Engineer determines an addition to the Contract Price as a result of a change in cost and/or legislation, or as a result of a Variation, amounting to more than 15 percent of the portion of the Contract Price payable in a specific currency, the Contractor shall at the Engineer's request promptly increase, the value of the Performance Security in that currency by an equal percentage.</p>
<p><b>4.3 CONTRACTOR'S REPRESENTATIVE</b></p>	<p>The Contractor shall appoint the Contractor's Representative and shall give him all authority necessary to act on the Contractor's behalf under the Contract.</p> <p>Unless the Contractor's Representative is named in the Contract, the Contractor shall, prior to the Commencement Date, submit to the Engineer for consent the name and particulars of the person the Contractor proposes to appoint as Contractor's Representative. If consent is withheld or subsequently revoked in terms of Sub-Clause 6.9 [Contractor's Personnel], or if the appointed person fails to act as Contractor's Representative, the Contractor shall similarly submit the name and particulars of another suitable person for such appointment.</p> <p>The Contractor shall not, without the prior consent of the Engineer, revoke the appointment of the Contractor's Representative or appoint a replacement.</p>

	<p>The whole time of the Contractor's Representative shall be given to directing the Contractor's performance of the Contract. If the Contractor's Representative is to be temporarily absent from the Site during the execution of the Works, a suitable replacement person shall be appointed, subject to the Engineer's prior consent, and the Engineer shall be notified accordingly.</p> <p>The Contractor's Representative shall, on behalf of the Contractor, receive instructions under Sub-Clause 3.3 [Instructions of the Engineer].</p> <p>The Contractor's Representative may delegate any powers, functions and authority to any competent person, and may at any time revoke the delegation. Any delegation or revocation shall not take effect until the Engineer has received prior notice signed by the Contractor's Representative, naming the person and specifying the powers, functions and authority being delegated or revoked.</p>
<p><b>4.4 SUBCONTRACTORS</b></p>	<p>The Contractor shall not subcontract the Works.</p> <p>The Contractor shall be responsible for the acts or defaults of any Subcontractor, his agents or employees, as if they were the acts or defaults of the Contractor. Unless otherwise stated in the Special Conditions of Contract:</p> <ul style="list-style-type: none"> <li>(a) the Contractor shall not be required to obtain consent to suppliers solely of Materials, or to a subcontract for which the Subcontractor is named in the Contract;</li> <li>(b) the prior consent of the Engineer shall be obtained to other proposed Subcontractors;</li> <li>(c) each subcontract shall include provisions which would entitle the Employer to require the subcontract to be assigned to the Employer under Sub-Clause 4.5 [Assignment of Benefit of Subcontract] (if or when applicable) or in the event of termination under Sub-Clause 15.2 [Termination by Employer].</li> </ul>

	The Contractor shall ensure that the requirements imposed on the Contractor by Sub-Clause 1.12 [Confidential Details] apply equally to each Subcontractor.
<b>4.5 ASSIGNMENT OF BENEFIT OF SUBCONTRACT</b>	If a Subcontractor's obligations extend beyond the expiry date of the relevant Defects Liability Period and the Engineer, prior to this date, instructs the Contractor to assign the benefit of such obligations to the Employer, then the Contractor shall do so.
<b>4.6 CO-OPERATION</b>	<p>The Contractor shall, as specified in the Contract or as instructed by the Engineer, allow appropriate opportunities for carrying out work to:</p> <ul style="list-style-type: none"> <li>(a) the Employer's Personnel,</li> <li>(b) any other contractors employed by the Employer, and</li> <li>(c) the personnel of any legally constituted public authorities,</li> </ul> <p>who may be employed in the execution on or near the Site of any work not included in the Contract.</p>
<b>4.7 SETTING OUT</b>	The Contractor shall set out the Works in relation to original points, lines and levels of reference specified in the Contract or notified by the Engineer. The Contractor shall be responsible for the correct positioning of all parts of the Works, and shall rectify any error in the positions, levels, dimensions or alignment of the Works.
<b>4.8 SAFETY PROCEDURES</b>	<p>The Contractor shall:</p> <ul style="list-style-type: none"> <li>(a) comply with all applicable safety regulations,</li> <li>(b) take care for the safety of all persons entitled to be on the Site,</li> <li>(c) use reasonable efforts to keep the Site and Works clear of unnecessary obstruction so as to avoid danger to these persons,</li> <li>(d) provide fencing, lighting, guarding and watching of the Works until completion and taking over under Clause 10 [Employer's Taking Over], and</li> </ul>

	<p>(e) provide any Temporary Works (including roadways, footways, guards and fences) which may be necessary, because of the execution of the Works, for the use and protection of the public and of owners and occupiers of adjacent land.</p>
<p><b>4.9 QUALITY ASSURANCE</b></p>	<p>The Contractor shall institute a quality assurance system to demonstrate compliance with the requirements of the Contract. The system shall be in accordance with the details stated in the Contract. The Engineer shall be entitled to audit any aspect of the system.</p> <p>Details of all procedures and compliance documents shall be submitted to the Engineer for information before each design and execution stage is commenced. When any document of a technical nature is issued to the Engineer, evidence of the prior approval by the Contractor himself shall be apparent on the document itself.</p> <p>Compliance with the quality assurance system shall not relieve the Contractor of any of his duties, obligations or responsibilities under the Contract.</p>
<p><b>4.10 SITE DATA</b></p>	<p>To the extent which was practicable (taking account of cost and time), the Contractor shall be deemed to have obtained all necessary information as to risks, contingencies and other circumstances which may influence or affect the Tender or Works. To the same extent, the Contractor shall be deemed to have inspected and examined the Site, its surroundings, the above data and other available information, and to have been satisfied before submitting the Tender as to all relevant matters, including (without limitation):</p> <ul style="list-style-type: none"> <li>(a) the form and nature of the Site, including sub-surface conditions,</li> <li>(b) the hydrological and climatic conditions,</li> <li>(c) the extent and nature of the work and Goods necessary for the execution and completion of the Works and the remedying of any defects,</li> <li>(d) the applicable Laws of Country.</li> </ul>

	(e) the Contractor’s requirements for access, accommodation, facilities, personnel, power, transport, water and other services.
<p><b>4.11 SUFFICIENCY OF THE ACCEPTED CONTRACT AMOUNT</b></p>	<p>The Contractor shall be deemed to:</p> <p>(a) have satisfied himself as to the correctness and sufficiency of the Accepted Contract Amount, and</p> <p>(b) have based the Accepted Contract Amount on the data, interpretations, necessary information, inspections, examinations and satisfaction as to all relevant matters referred to in Sub-Clause 4.10 [Site Data].</p> <p>Unless otherwise stated in the Contract, the Accepted Contract Amount covers all the Contractor’s obligations under the Contract and all things necessary for the proper execution and completion of the Works and the remedying of any defects.</p>
<p><b>4.12 UNFORESEEABLE PHYSICAL CONDITIONS</b></p>	<p>In this Sub-Clause, “physical conditions” means natural physical conditions and man-made and other physical obstructions and pollutants, which the Contractor encounters at the Site when executing the Works, including sub-surface and hydrological conditions but excluding climatic conditions.</p> <p>If the Contractor encounters adverse physical conditions which he considers to have been Unforeseeable, the Contractor shall give notice to the Engineer as soon as practicable.</p>
<p><b>4.13 RIGHTS OF WAY AND FACILITIES</b></p>	<p>Unless otherwise specified in the Contract the Employer shall provide effective access to and possession of the Site including special and/or temporary rights-of-way which are necessary for the Works. The Contractor shall obtain, at his risk and cost, any additional rights of way or facilities outside the Site which he may require for the purposes of the Works.</p>



<p><b>4.14 AVOIDANCE OF INTERFERENCE</b></p>	<p>The Contractor shall not interfere unnecessarily or improperly with:</p> <ul style="list-style-type: none"> <li>(a) the convenience of the public, or</li> <li>(b) the access to and use and occupation of all roads and footpaths, irrespective of whether they are public or in the possession of the Employer or of others.</li> </ul> <p>The Contractor shall indemnify and hold the Employer harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from any such unnecessary or improper interference.</p>
<p><b>4.15 ACCESS ROUTE</b></p>	<p>The Contractor shall be deemed to have been satisfied as to the suitability and availability of access routes to the Site at Base Date. The Contractor shall use reasonable efforts to prevent any road or bridge from being damaged by the Contractor's traffic or by the Contractor's Personnel. These efforts shall include the proper use of appropriate vehicles and routes.</p> <p>Except as otherwise stated in these Conditions:</p> <ul style="list-style-type: none"> <li>(a) the Contractor shall (as between the Parties) be responsible for any maintenance which may be required for his use of access routes;</li> <li>(b) the Contractor shall provide all necessary signs or directions along access routes, and shall obtain any permission which may be required from the relevant authorities for his use of routes, signs and directions;</li> <li>(c) the Employer shall not be responsible for any claims which may arise from the use or otherwise of any access route;</li> <li>(d) the Employer does not guarantee the suitability or availability of particular access routes; and</li> <li>(e) Costs due to non-suitability or non-availability, for the use required by the Contractor, of access routes shall be borne by the Contractor.</li> </ul>

<p><b>4.16 TRANSPORT OF GOODS</b></p>	<p>Unless otherwise stated in the Special Conditions of Contract:</p> <ul style="list-style-type: none"> <li>(a) the Contractor shall give the Engineer not less than 21 days' notice of the date on which any Plant or a major item of other Goods will be delivered to the Site;</li> <li>(b) the Contractor shall be responsible for packing, loading, transporting, receiving, unloading, storing and protecting all Goods and other things required for the Works; and</li> <li>(c) the Contractor shall indemnify and hold the Employer harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from the transport of Goods, and shall negotiate and pay all claims arising from their transport.</li> </ul>
<p><b>4.17 CONTRACTOR'S EQUIPMENT</b></p>	<p>The Contractor shall be responsible for all Contractor's Equipment. When brought on to the Site, Contractor's Equipment shall be deemed to be exclusively intended for the execution of the Works. The Contractor shall not remove from the Site any major items of Contractor's Equipment without the consent of the Engineer. However, consent shall not be required for vehicles transporting Goods or Contractor's Personnel off Site.</p>
<p><b>4.18 PROTECTION OF THE ENVIRONMENT</b></p>	<p>The Contractor shall take all reasonable steps to protect the environment (both on and off the Site) and to limit damage and nuisance to people and property resulting from pollution, noise and other results of his operations.</p>
<p><b>4.19 ELECTRICITY AND WATER</b></p>	<p>Unless otherwise stated in Special Conditions of Contract, the Contractor shall, be responsible for the provision of all power, water and other services he may require for his construction activities and to the extent defined in the Specifications, for the tests.</p>
<p><b>4.20 EMPLOYER'S FREE-ISSUE MATERIALS</b></p>	<p>The Employer shall supply, free of charge, the "free-issue materials" (if any) in accordance with the details stated in the Specification. The Employer shall, at his risk and cost, provide these materials at the time and place specified in the Contract. The Contractor shall then</p>

	<p>visually inspect them, and shall promptly give notice to the Engineer of any shortage, defect or default in these materials.</p> <p>After this visual inspection, the free-issue materials shall come under the care, custody and control of the Contractor.</p>
<p><b>4.21 PROGRESS REPORTS</b></p>	<p>Unless otherwise stated in the Special Conditions of Contract, monthly progress reports shall be prepared by the Contractor and submitted to the Engineer in six copies. The first report shall cover the period up to the end of the first calendar month following the Commencement Date. Reports shall be submitted monthly thereafter, each within 7 days after the last day of the period to which it relates.</p> <p>Reporting shall continue until the Contractor has completed all work which is known to be outstanding at the completion date stated in the Taking-Over Certificate for the Works.</p> <p>Each report shall include:</p> <ul style="list-style-type: none"> <li>(a) charts and detailed descriptions of progress, including each stage of design (if any), Contractor's Documents, procurement, manufacture, delivery to Site, construction, erection and testing; and including these stages for work by each nominated Subcontractor (as defined in Clause 5 [Nominated Subcontractors]),</li> <li>(b) photographs showing the status of manufacture and of progress on the Site;</li> <li>(c) the details described in Sub-Clause 6.10 [Records of Contractor's Personnel and Equipment];</li> <li>(d) copies of quality assurance documents, test results and certificates of Materials;</li> <li>(e) list of notices given under Sub-Clause 2.4 [Employer's Claims] and notices given under Sub-Clause 20.1 [Contractor's Claims];</li> </ul>

	<p>(f) safety statistics, including details of any hazardous incidents and activities relating to environmental aspects and public relations; and</p> <p>(g) comparisons of actual and planned progress, with details of any events or circumstances which may jeopardise the completion in accordance with the Contract, and the measures being (or to be) adopted to overcome delays.</p>
<p><b>4.22 SECURITY OF THE SITE</b></p>	<p>The Contractor will be responsible for safety and security of of all authorised persons available on site.</p> <p>No unauthorized personnel shall be available on site</p>
<p><b>4.23 CONTRACTOR’S OPERATIONS ON SITE</b></p>	<p>The Contractor shall confine his operations to the Site, and to any additional areas which may be obtained by the Contractor and agreed by the Engineer as additional working areas. The Contractor shall take all necessary precautions to keep Contractor’s Equipment and Contractor’s Personnel within the Site and these additional areas, and to keep them off adjacent land.</p> <p>During the execution of the Works, the Contractor shall keep the Site free from all unnecessary obstruction, and shall store or dispose of any Contractor’s Equipment or surplus materials. The Contractor shall clear away and remove from the Site any wreckage, rubbish and Temporary Works which are no longer required.</p> <p>Upon the issue of a Taking-Over Certificate, the Contractor shall clear away and remove, from that part of the Site and Works to which the Taking-Over Certificate refers, all Contractor’s Equipment, surplus material, wreckage, rubbish and Temporary Works. The Contractor shall leave that part of the Site and the Works in a clean and safe condition. However, the Contractor may retain on Site, during the Defects Liability Period, such Goods as are required for the Contractor to fulfil obligations under the Contract.</p>
<p><b>4.24 FOSSILS</b></p>	<p>All fossils, coins, articles of value or antiquity, and structures and other remains or items of geological or archaeological interest found on the Site shall be placed under the care and authority of the Employer. The</p>

	<p>Contractor shall take reasonable precautions to prevent Contractor's Personnel or other persons from removing or damaging any of these findings.</p> <p>The Contractor shall, upon discovery of any such finding, promptly give notice to the Engineer, who shall issue instructions for dealing with it</p>
<b>5. NOMINATED SUBCONTRACTORS</b>	
<b>5.1 DEFINITION OF "NOMINATED SUBCONTRACTOR"</b>	In the Contract, "nominated Subcontractor" means a Subcontractor who is stated in the Contract as being a nominated Subcontractor
<b>5.2 PAYMENTS TO NOMINATED SUBCONTRACTORS</b>	<p>Unless otherwise specifically stated in this contract all payments will be made to the Contractor and the Contractor is liable to the Sub contractors for payments they are eligible for the work done.</p> <p>If however a sub contractor to the Contractor brings to the notice of the Engineer the failure of Contractor to pay eligible sums due to it after receipt of corresponding payments from the Employer by the Contractor, then the Employer may (at his sole discretion) pay, direct to the nominated Subcontractor, part or all of such amounts previously certified (less applicable deductions) as are due to the nominated Subcontractor and for which the Contractor has failed pay subject to evidence given by the subcontractor. The Contractor shall then repay, to the Employer, the amount which the nominated Subcontractor was directly paid by the Employer</p>
<b>6. STAFF AND LABOUR</b>	
<b>6.1 ENGAGEMENT OF STAFF AND LABOUR</b>	Except as otherwise stated in the Specification, the Contractor shall make arrangements for the engagement of all staff and labour, local or otherwise, and for their payment, feeding, transport, and, appropriate, housing.
<b>6.2 RATES OF WAGES AND CONDITIONS OF LABOUR</b>	The Contractor shall pay to labour employed by him either directly or through Sub-Contractors wages not less than fair wages as defined in the relevant Central / Local Labour Regulations or as per the provisions of the Contract Labour (Regulation and Abolition) Act 1970 and the Contract Labour Regulation and Abolition of Central

	<p>Rules 1971, wherever applicable. He shall also abide by the minimum wages and other regulations applicable to the labour engaged in the Work, as laid down by the concerned Central / local authorities (State, District or other local Authorities.</p>
<b>6.3 PERSONS IN THE SERVICE OF EMPLOYER</b>	<p>The Contractor shall not recruit, or attempt to recruit, staff and labour from amongst the Employer's Personnel.</p>
<b>6.4 LABOUR LAWS</b>	<p>The Contractor shall be wholly and solely responsible for full compliance with the provisions under all labour laws and /or regulations such as Payment of Wages Act 1948, Employees Liability Act 1938, Workmen's Compensation Act 1923, Employees State Insurance Act 1948, Employees Provident Fund Act 1952, Industrial Disputes Act 1947, the Maternity Benefit Act 1961, the Contract Labour (Regulation and Abolition) Act 1970 and the Factories Act 1948 or any modifications thereof or any other law relating thereto and rules there under introduced from time to time.</p> <p>The Contractor shall assume liability and shall indemnify the Employer &amp; the Engineer from every expense, liability or payment by reason of the application of any labour law, act, rules or regulations existing or to be introduced at a future date during the term of the Contract.</p> <p>In general, in respect of all labour directly or indirectly employed in the Work for the performance of Contractor's part of the Contract, the Contractor shall comply with all the rules framed by the Government authorities concerned from time to time for protection of the health and welfare of the workers.</p> <p>The Contractor shall at his own cost obtain a valid licence for himself and the Employer under the Contract Labour (R &amp; A) Act 1970 and the Contract labour (Regulation and Abolition) Central Rules 1971 and under any other applicable rules before the commencement of the Work and continue to have a valid licences until the completion of the Work.</p>

<p><b>6.5 WORKING HOURS</b></p>	<p>No work shall be carried out on the Site on locally recognised days of rest, or outside the normal working hours stated in the Contract Data, unless:</p> <ul style="list-style-type: none"> <li>(a) otherwise stated in the Contract,</li> <li>(b) the Engineer gives consent, or</li> <li>(c) the work is unavoidable, or necessary for the protection of life or property or for the safety of the Works, in which case the Contractor shall immediately advise the Engineer.</li> </ul>
<p><b>6.6 FACILITIES FOR STAFF AND LABOUR</b></p>	<p>Except as otherwise stated in the Specification, the Contractor shall provide and maintain all necessary accommodation and welfare facilities for the Contractor's Personnel. The Contractor shall also provide facilities for the Employer's Personnel as stated in the Specification.</p> <p>The Contractor shall not permit any of the Contractor's Personnel to maintain any temporary or permanent living quarters within the structures forming part of the Permanent Works.</p>
<p><b>6.7 HEALTH AND SAFETY</b></p>	<p>The Contractor shall at all times take all reasonable precautions to maintain the health and safety of the Contractor's Personnel. In collaboration with local health authorities, the Contractor shall ensure that medical staff, first aid facilities, sick bay and ambulance service are available at all times at the Site and at any accommodation for Contractor's and Employer's Personnel, and that suitable arrangements are made for all necessary welfare and hygiene requirements and for the prevention of epidemics.</p> <p>The Contractor shall at his own expense arrange for all the safety provisions as listed in (i) Safety codes of C.P.W.D. and Bureau of Indian Standards, (ii) The Electricity Act, (iii) The Mines Act, and Regulations, (iv) Regulations of employment &amp; conditions of service Act 1996, Rules and Orders made there under and such other acts as applicable.</p> <p>The Contractor shall appoint an Safety Officer at the Site, responsible for maintaining safety and protection against</p>

	<p>accidents. This person shall be qualified for this responsibility, and shall have the authority to issue instructions and take protective measures to prevent accidents. Throughout the execution of the Works, the Contractor shall provide whatever is required by this person to exercise this responsibility and authority.</p> <p>The Contractor shall send, to the Engineer, details of any accident as soon as practicable after its occurrence. The Contractor shall maintain records and make reports concerning health, safety and welfare of persons, and damage to property, as the Engineer may reasonably require.</p>
<p><b>6.8 CONTRACTOR'S SUPERINTENDENCE</b></p>	<p>Throughout the execution of the Works, and as long thereafter as is necessary to fulfil the Contractor's obligations, the Contractor shall provide all necessary superintendence to plan, arrange, direct, manage, inspect and test the work.</p>
<p><b>6.9 CONTRACTOR'S PERSONNEL</b></p>	<p>The Contractor's Personnel shall be appropriately qualified, skilled and experienced in their respective trades or occupations. The Engineer may require the Contractor to remove (or cause to be removed) any person employed on the Site or Works, including the Contractor's Representative if applicable, who:</p> <ul style="list-style-type: none"> <li>(a) persists in any misconduct or lack of care,</li> <li>(b) carries out duties incompetently or negligently,</li> <li>(c) fails to conform with any provisions of the Contract,</li> <li>(d) persists in any conduct which is prejudicial to safety, health, or the protection of the environment, or</li> <li>(e) based on reasonable evidence, is determined to have engaged in Fraud and Corruption during the execution of the Works.</li> </ul> <p>If appropriate, the Contractor shall then appoint (or cause to be appointed) a suitable replacement person.</p>
<p><b>6.10 RECORDS OF CONTRACTOR'S PERSONNEL AND EQUIPMENT</b></p>	<p>The Contractor shall submit, to the Engineer, details showing the number of each class of Contractor's</p>



	Personnel and of each type of Contractor's Equipment on the Site. Details shall be submitted each calendar month, in a form approved by the Engineer, until the Contractor has completed all work which is known to be outstanding at the completion date stated in the Taking-Over Certificate for the Works.
<b>6.11 SUPPLY OF WATER</b>	The Contractor shall, having regard to local conditions, provide on the Site an adequate supply of drinking and other water for the use of the Contractor's Personnel.
<b>6.12 PROHIBITION OF CHILD LABOUR</b>	The Contractor shall not employ any children/ child labour below the age of 18 years.
<b>6.13 EMPLOYMENT RECORDS OF WORKERS</b>	The Contractor shall keep complete and accurate records of the employment of labour at the Site. The records shall include the names, ages, genders, hours worked and wages paid to all workers. These records shall be summarized on a monthly basis and submitted to the Engineer. These records shall be included in the details to be submitted by the Contractor under Sub-Clause 6.10 [Records of Contractor's Personnel and Equipment].
<b>6.14 CONTRIBUTION TOWARDS EMPLOYEE BENEFITS, FUNDS ETC.</b>	The Contractor shall include in the Contract Price all expenses necessary to meet his obligations for making contributions toward employee benefits funds such as <b>Employee Provident fund (EPF), Employee State Insurance Scheme (ESI)</b> benefits, old age pension and/or any other benefits/compensation legally payable in compliance with all the statutory regulations and requirements. All records in this connection shall be properly maintained by the Contractor and produced for scrutiny by the concerned authorities and the Engineer and the Employer when called for.
<b>7. PLANT, MATERIALS AND WORKMANSHIP</b>	
<b>7.A DESIGNS BY THE EMPLOYER</b>	<p>The Contractor should carry out the work as per the designs and Good For Construction drawings given by the Employer for all elements of the project. The Employer shall provide the drawings as per the Construction programme of the Contractor.</p> <p>It is the responsibility of the Contractor to collect the Good for Construction drawings from the Employer by</p>

	submitting Request for Information (RFI). The Employer shall reply and share the drawings upon the receipt of RFI within 7 days from the day of raising the RFI.
<b>7.1 MANNER OF EXECUTION</b>	<p>The Contractor shall carry out the manufacture of Plant, the production and manufacture of Materials, and all other execution of the Works:</p> <ul style="list-style-type: none"> <li>(a) in the manner (if any) specified in the Contract,</li> <li>(b) in a proper workmanlike and careful manner, in accordance with recognised good practice, and</li> <li>(c) with properly equipped facilities and non-hazardous Materials, except as otherwise specified in the Contract.</li> </ul>
<b>7.2 SAMPLES</b>	The Contractor shall submit samples of materials and relevant information to the Engineer as per Section V
<b>7.3 INSPECTION</b>	<p>The Employer's Personnel shall at all reasonable times:</p> <ul style="list-style-type: none"> <li>(a) have full access to all parts of the Site and to all places from which natural Materials are being obtained, and</li> <li>(b) during production, manufacture and construction (at the Site and elsewhere), be entitled to examine, inspect, measure and test the materials and workmanship, and to check the progress of manufacture of Plant and production and manufacture of Materials.</li> </ul> <p>The Contractor shall give the Employer's Personnel full opportunity to carry out these activities, including providing access, facilities, permissions and safety equipment. No such activity shall relieve the Contractor from any obligation or responsibility.</p> <p>The Contractor shall give notice to the Engineer whenever any work is ready and before it is covered up, put out of sight, or packaged for storage or transport. The Engineer shall then either carry out the examination, inspection, measurement or testing without unreasonable delay, or promptly give notice to the Contractor that the Engineer does not require to do so. If the Contractor fails to give</p>

	<p>the notice, he shall, if and when required by the Engineer, uncover the work and thereafter reinstate and make good, all at the Contractor's cost.</p>
<b>7.4 TESTING</b>	<p>This Sub-Clause shall apply to all tests specified in the Contract, other than the Tests after Completion (if any).</p> <p>Except as otherwise specified in the Contract, the Contractor shall provide all apparatus, assistance, documents and other information, electricity, equipment, fuel, consumables, instruments, labour, materials, and suitably qualified and experienced staff, as are necessary to carry out the specified tests efficiently.</p> <p>The Contractor shall promptly forward to the Engineer duly certified reports of the tests. When the specified tests have been passed, the Engineer shall endorse the Contractor's test certificate, or issue a certificate to him, to that effect.</p>
<b>7.5 REJECTION</b>	<p>If, as a result of an examination, inspection, measurement or testing, any Plant, Materials or workmanship is found to be defective or otherwise not in accordance with the Contract, the Engineer may reject the Plant, Materials or workmanship by giving notice to the Contractor, with reasons. The Contractor shall then promptly make good the defect and ensure that the rejected item complies with the Contract.</p> <p>If the Engineer requires this Plant, Materials or workmanship to be retested, the tests shall be repeated under the same terms and conditions. If the rejection and retesting cause the Employer to incur additional costs, the Contractor shall subject to Sub-Clause 2.4 [Employer's Claims] pay these costs to the Employer.</p>
<b>7.6 REMEDIAL WORK</b>	<p>Notwithstanding any previous test or certification, the Engineer may instruct the Contractor to:</p> <p>(a) remove from the Site and replace any Plant or Materials which is not in accordance with the Contract,</p>

	<p>(b) remove and re-execute any other work which is not in accordance with the Contract, and</p> <p>(c) execute any work which is urgently required for the safety of the Works, whether because of an accident, unforeseeable event or otherwise.</p> <p>The Contractor shall comply with the instruction within a reasonable time, which shall be the time (if any) specified in the instruction, or immediately if urgency is specified under sub-paragraph (c).</p> <p>If the Contractor fails to comply with the instruction, the Employer shall be entitled to employ and pay other persons to carry out the work. Except to the extent that the Contractor would have been entitled to payment for the work, the Contractor shall subject to Sub-Clause 2.4 [Employer's Claims] pay to the Employer all costs arising from this failure.</p>
<b>7.7 OWNERSHIP OF PLANT AND MATERIALS</b>	<p>Except as otherwise provided in the Contract, each item of Plant and Materials shall, to the extent consistent with the Laws of the Country, become the property of the Employer at whichever is the earlier of the following times, free from liens and other encumbrances when it is incorporated in the Works</p>
<b>7.8 ROYALTIES</b>	<p>Unless otherwise stated in the Specification, the Contractor shall pay all royalties, rents and other payments for:</p> <p>(a) natural Materials obtained from outside the Site, and</p> <p>(b) the disposal of material from demolitions and excavations and of other surplus material (whether natural or man-made), except to the extent that disposal areas within the Site are specified in the Contract.</p>
<b>8. COMMENCEMENT, DELAYS AND SUSPENSION</b>	
<b>8.1 COMMENCEMENT OF WORKS</b>	<p>The commencement of the work will be as per Special Conditions of Contract.</p> <p>The Contractor shall commence the execution of the Works as soon as is reasonably practicable after the</p>

	Commencement Date, and shall then proceed with the Works with due expedition and without delay.
<b>8.2 TIME FOR COMPLETION</b>	<p>The Contractor shall complete the whole of the Works, and each Section (if any), within the Time for Completion for the Works or Section (as the case may be), including:</p> <ul style="list-style-type: none"> <li>(a) achieving the passing of the Tests on Completion, and</li> <li>(b) completing all work which is stated in the Contract as being required for the Works or Section to be considered to be completed for the purposes of taking-over under Sub-Clause 10.1 [Taking Over of the Works and Sections].</li> </ul> <p>The Time for completion will be as per Special Conditions of Contract.</p>
<b>8.3 PROGRAMME</b>	<p>The Contractor shall submit a detailed time programme to the Engineer within 28 days after receiving the notice under Sub-Clause 8.1 [Commencement of Works]. The Contractor shall also submit a revised programme whenever the previous programme is inconsistent with actual progress or with the Contractor's obligations. Each programme shall include:</p> <ul style="list-style-type: none"> <li>(a) the order in which the Contractor intends to carry out the Works, including the anticipated timing of each stage of design (if any), Contractor's Documents, procurement, manufacture of Plant, delivery to Site, construction, erection and testing,</li> <li>(b) the sequence and timing of inspections and tests specified in the Contract, and</li> <li>(c) a supporting report which includes resource statement to be deployed to achieve the progress of work</li> </ul> <p>The Contractor shall promptly give notice to the Engineer of specific probable future events or circumstances which may adversely affect the work, increase the Contract Price or delay the execution of the Works. The Engineer may require the Contractor to submit an estimate of the anticipated effect of the future event or</p>

	<p>circumstances, and/or a proposal under Sub-Clause 13.2 [Variation Procedure].</p> <p>If, at any time, the Engineer gives notice to the Contractor that a programme fails (to the extent stated) to comply with the Contract or to be consistent with actual progress and the Contractor's stated intentions, the Contractor shall submit a revised programme to the Engineer in accordance with this Sub-Clause.</p>
<p><b>8.4 EXTENSION OF TIME FOR COMPLETION</b></p>	<p>The Contractor shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to an extension of the Time for Completion if and to the extent that completion for the purposes of Sub-Clause 10.1 [Taking Over of the Works and Sections] is or will be delayed by any of the following causes:</p> <ul style="list-style-type: none"> <li>(a) a Variation (unless an adjustment to the Time for Completion has been agreed under Sub-Clause 13.2 [Variation Procedure]) or other substantial change in the quantity of an item of work included in the Contract,</li> <li>(b) exceptionally adverse climatic conditions,</li> </ul> <p>If the Contractor considers himself to be entitled to an extension of the Time for Completion, the Contractor shall give notice to the Engineer in accordance with Sub-Clause 20.1 [Contractor's Claims].</p>
<p><b>8.5 DELAY DAMAGES</b></p>	<p>If the Contractor fails to comply with Sub-Clause 8.2 [Time for Completion], the Contractor shall subject to notice under Sub-Clause 2.4 [Employer's Claims] pay delay damages to the Employer for this default. These delay damages shall be the sum stated in the Contract Data, which shall be paid for every day which shall elapse between the relevant Time for Completion and the date stated in the Taking-Over Certificate. However, the total amount due under this Sub-Clause shall not exceed the maximum amount of delay damages (if any) stated in the Contract Data.</p> <p>These delay damages shall be the only damages due from the Contractor for such default, other than in the event of termination under Sub-Clause 15.2 [Termination by Employer] prior to completion of the Works. These</p>

	<p>damages shall not relieve the Contractor from his obligation to complete the Works, or from any other duties, obligations or responsibilities which he may have under the Contract.</p>
<p><b>8.6 SUSPENSION OF WORK</b></p>	<p>The Engineer may at any time instruct the Contractor to suspend progress of part or all of the Works. During such suspension, the Contractor shall protect, store and secure such part or the Works against any deterioration, loss or damage.</p> <p>The Engineer may also notify the cause for the suspension. If and to the extent that the cause is notified and is the responsibility of the Contractor, then Sub-Clauses 8.7 shall not apply.</p>
<p><b>8.7 CONSEQUENCES OF SUSPENSION</b></p>	<p>If the Contractor suffers delay and/or incurs Cost from complying with the Engineer's instructions under Sub-Clause 8.6 [Suspension of Work] and/or from resuming the work, the Contractor shall give notice to the Engineer and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion]</p> <p>After receiving this notice, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.</p> <p>The Contractor shall not be entitled to an extension of time for, or to payment of the Cost incurred in, making good the consequences of the Contractor's faulty design, workmanship or materials, or of the Contractor's failure to protect, store or secure in accordance with Sub-Clause 8.6 [Suspension of Work].</p>
<p><b>8.8 RESUMPTION OF WORK</b></p>	<p>After the permission or instruction to proceed is given, the Contractor and the Engineer shall jointly examine the Works and the Plant and Materials affected by the suspension. The Contractor shall make good any deterioration or defect in or loss of the Works or Plant or Materials, which has occurred during the suspension after receiving from the Engineer an instruction to this effect.</p>

<b>9. TESTS ON COMPLETION</b>	
<b>9.1 CONTRACTOR’S OBLIGATIONS</b>	<p>The Contractor shall carry out the Tests on Completion in accordance with this Clause and Sub-Clause 7.4 [Testing], after providing the documents in accordance with subparagraph (d) of Sub-Clause 4.1 [Contractor’s General Obligations].</p> <p>The Contractor shall give to the Engineer not less than 7 days’ notice of the date after which the Contractor will be ready to carry out each of the Tests on Completion. Unless otherwise agreed, Tests on Completion shall be carried out within 7 days after this date, on such day or days as the Engineer shall instruct.</p> <p>In considering the results of the Tests on Completion, the Engineer shall make allowances for the effect of any use of the Works by the Employer on the performance or other characteristics of the Works. As soon as the Works, or a Section, have passed any Tests on Completion, the Contractor shall submit a certified report of the results of these Tests to the Engineer.</p>
<b>9.2 DELAYED TESTS</b>	<p>If the Tests on Completion are being unduly delayed by the Contractor, the Engineer may by notice require the Contractor to carry out the Tests within 21 days after receiving the notice. The Contractor shall carry out the Tests on such day or days within that period as the Contractor may fix and of which he shall give notice to the Engineer.</p> <p>If the Contractor fails to carry out the Tests on Completion within the period of 21 days, the Employer’s Personnel may proceed with the Tests at the risk and cost of the Contractor. The Tests on Completion shall then be deemed to have been carried out in the presence of the Contractor and the results of the Tests shall be accepted as accurate.</p>
<b>9.3 RETESTING</b>	<p>If the Works, or a Section, fail to pass the Tests on Completion, Sub-Clause 7.5 [Rejection] shall apply, and the Engineer or the Contractor may require the failed Tests, and Tests on Completion on any related work, to be repeated under the same terms and conditions.</p>



<p><b>9.4 FAILURE TO PASS TESTS ON COMPLETION</b></p>	<p>If the Works, or a Section, fail to pass the Tests on Completion repeated under Sub-Clause 9.3 [Retesting], the Engineer shall be entitled to:</p> <ul style="list-style-type: none"> <li>(a) order further repetition of Tests on Completion under Sub-Clause 9.3;</li> <li>(b) if the failure deprives the Employer of substantially the whole benefit of the Works or Section, reject the Works or Section (as the case may be), in which event the Employer shall have the same remedies as are provided in sub-paragraph (c) of Sub-Clause 11.4 [Failure to Remedy Defects].</li> </ul>
<p><b>10. EMPLOYER’S TAKING OVER</b></p>	
<p><b>10.1 TAKING OVER OF THE WORKS AND SECTIONS</b></p>	<p>Except as stated in Sub-Clause 9.4 [Failure to Pass Tests on Completion], the Works shall be taken over by the Employer when (i) the Works have been completed in accordance with the Contract, including the matters described in Sub-Clause 8.2 [Time for Completion] and except as allowed in sub-paragraph (a) below, and (ii) a Taking-Over Certificate for the Works has been issued, or is deemed to have been issued in accordance with this Sub-Clause.</p> <p>The Contractor may apply by notice to the Engineer for a Taking-Over Certificate not earlier than 14 days before the Works will, in the Contractor’s opinion, be complete and ready for taking over. If the Works are divided into Sections, the Contractor may similarly apply for a Taking-Over Certificate for each Section.</p> <p>The Engineer shall, within 28 days after receiving the Contractor’s application:</p> <ul style="list-style-type: none"> <li>(a) issue the Taking-Over Certificate to the Contractor, stating the date on which the Works or Section were completed in accordance with the Contract or</li> <li>(b) reject the application, giving reasons and specifying the work required to be done by the Contractor to enable the Taking-Over Certificate to be issued. The Contractor shall then complete this work before issuing a further notice under this Sub-Clause.</li> </ul>

<p><b>10.2 TAKING OVER OF PARTS OF THE WORKS</b></p>	<p>The Engineer may, at the sole discretion of the Employer, issue a Taking-Over Certificate for any part of the Permanent Works.</p> <p>After the Engineer has issued a Taking-Over Certificate for a part of the Works, the Contractor shall be given the earliest opportunity to take such steps as may be necessary to carry out any outstanding Tests on Completion. The Contractor shall carry out these Tests on Completion as soon as practicable before the expiry date of the relevant Defects Liability Period.</p>
<p><b>10.3 SURFACES REQUIRING REINSTATEMENT</b></p>	<p>Except as otherwise stated in a Taking-Over Certificate, a certificate for a Section or part of the Works shall not be deemed to certify completion of any ground or other surfaces requiring reinstatement.</p>
<p><b>11. DEFECTS LIABILITY</b></p>	
<p><b>11.1 COMPLETION OF OUTSTANDING WORK AND REMEDYING DEFECTS</b></p>	<p>In order that the Works and Contractor's Documents, and each Section, shall be in the condition required by the Contract (fair wear and tear excepted) by the expiry date of the relevant Defects Liability Period or as soon as practicable thereafter, the Contractor shall:</p> <ul style="list-style-type: none"> <li>(a) complete any work which is outstanding on the date stated in a Taking-Over Certificate, within such reasonable time as is instructed by the Engineer, and</li> <li>(b) execute all work required to remedy defects or damage, as may be notified by (or on behalf of) the Employer on or before the expiry date of the Defects Liability Period for the Works or Section (as the case may be).</li> </ul> <p>If a defect appears or damage occurs, the Contractor shall be notified accordingly, by (or on behalf of) the Employer.</p>
<p><b>11.2 COST OF REMEDYING DEFECTS</b></p>	<p>All work referred to in sub-paragraph (b) of Sub-Clause 11.1 [Completion of Outstanding Work and Remedying Defects] shall be executed at the risk and cost of the Contractor.</p>

<p><b>11.3 EXTENSION OF DEFECTS LIABILITY PERIOD</b></p>	<p>The Employer shall be entitled subject to Sub-Clause 2.4 [Employer’s Claims] to an extension of the Defects Liability Period for the Works or a Section if and to the extent that the Works, Section or a major item of Plant (as the case may be, and after taking over) cannot be used for the purposes for which they are intended by reason of a defect or by reason of damage attributable to the Contractor.</p>
<p><b>11.4 FAILURE TO REMEDY DEFECTS</b></p>	<p>If the Contractor fails to remedy any defect or damage within a reasonable time, a date may be fixed by (or on behalf of) the Employer, on or by which the defect or damage is to be remedied. The Contractor shall be given reasonable notice of this date.</p> <p>If the Contractor fails to remedy the defect or damage by this notified date and this remedial work was to be executed at the cost of the Contractor under Sub-Clause 11.2 [Cost of Remedying Defects], the Employer may (at his option):</p> <ul style="list-style-type: none"> <li>(a) carry out the work himself or by others, in a reasonable manner and at the Contractor’s cost, but the Contractor shall have no responsibility for this work; and the Contractor shall subject to Sub-Clause 2.4 [Employer’s Claims] pay to the Employer the costs reasonably incurred by the Employer in remedying the defect or damage; or</li> <li>(b) if the defect or damage deprives the Employer of substantially the whole benefit of the Works or any major part of the Works, terminate the Contract as a whole, or in respect of such major part which cannot be put to the intended use. Without prejudice to any other rights, under the Contract or otherwise, the Employer shall then be entitled to recover all sums paid for the Works or for such part (as the case may be), plus financing costs and the cost of dismantling the same, clearing the Site and returning Plant and Materials to the Contractor.</li> </ul>
<p><b>11.5 REMOVAL OF DEFECTIVE WORK</b></p>	<p>If the defect or damage cannot be remedied expeditiously on the Site and the Employer gives consent, the Contractor may remove from the Site for the</p>

	<p>purposes of repair such items of Plant as are defective or damaged. This consent may require the Contractor to increase the amount of the Performance Security by the full replacement cost of these items.</p>
<b>11.6 RIGHT OF ACCESS</b>	<p>Until the Performance Certificate has been issued, the Contractor shall have such right of access to the Works as is reasonably required in order to comply with this Clause, except as may be inconsistent with the Employer's reasonable security restrictions.</p>
<b>11.7 PERFORMANCE CERTIFICATE</b>	<p>Performance of the Contractor's obligations shall not be considered to have been completed until the Engineer has issued the Performance Certificate to the Contractor, stating the date on which the Contractor completed his obligations under the Contract.</p> <p>The Engineer shall issue the Performance Certificate within 28 days after the latest of the expiry dates of the Defects Liability Periods, or as soon thereafter as the Contractor has supplied all the Contractor's Documents and completed and tested all the Works, including remedying any defects. A copy of the Performance Certificate shall be issued to the Employer.</p> <p>Only the Performance Certificate shall be deemed to constitute acceptance of the Works.</p>
<b>11.8 UNFULFILLED OBLIGATIONS</b>	<p>After the Performance Certificate has been issued, each Party shall remain liable for the fulfilment of any obligation which remains unperformed at that time. For the purposes of determining the nature and extent of unperformed obligations, the Contract shall be deemed to remain in force.</p>
<b>11.9 CLEARANCE OF SITE</b>	<p>Upon receiving the Performance Certificate, the Contractor shall remove any remaining Contractor's Equipment, surplus material, wreckage, rubbish and Temporary Works from the Site.</p> <p>If all these items have not been removed within 28 days after receipt by the Contractor of the Performance Certificate, the Employer may sell or otherwise dispose of any remaining items. The Employer shall be entitled to be paid the costs incurred in connection with, or</p>

	<p>attributable to, such sale or disposal and restoring the Site.</p> <p>Any balance of the moneys from the sale shall be paid to the Contractor. If these moneys are less than the Employer's costs, the Contractor shall pay the outstanding balance to the Employer.</p>
<b>12. MEASUREMENT AND EVALUATION</b>	
<b>12.1 WORKS TO BE MEASURED</b>	<p>The Works shall be measured, and valued for payment, in accordance with this Clause. The Contractor shall show in each application under Sub-Clauses 14.3 [Application for Interim Payment Certificates], 14.8 [Statement on Completion] and 14.9 [Application for Final Payment Certificate] the quantities and other particulars detailing the amounts which he considers to be entitled under the Contract.</p> <p>Whenever the Engineer requires any part of the Works to be measured, reasonable notice shall be given to the Contractor's Representative, who shall:</p> <ul style="list-style-type: none"> <li>(a) promptly either attend or send another qualified representative to assist the Engineer in making the measurement, and</li> <li>(b) supply any particulars requested by the Engineer.</li> </ul> <p>If the Contractor fails to attend or send a representative, the measurement made by (or on behalf of) the Engineer shall be accepted as accurate.</p>
<b>12.2 METHOD OF MEASUREMENT</b>	<p>To measure the under this Contract the standard method of measurement in accordance with the Standards laid down by <b>Bureau of Indian Standards (IS: 1200)</b> shall be followed. However, if definite methods of measurements are stipulated in the Specifications, then the same shall supersede BIS methods and shall be followed.</p>
<b>12.3 EVALUATION</b>	<p>Except as otherwise stated in the Contract, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine the Contract Price by evaluating each item of work, applying the measurement agreed or determined in accordance with</p>

	<p>the above Sub-Clauses 12.1 and 12.2 and the appropriate rate or price for the item.</p> <p>For each item of work, the appropriate rate or price for the item shall be the rate or price specified for such item in the Contract OR, if there is no such item, specified for similar work.</p> <p>Any item of work included in the Bill of Quantities for which no rate or price was specified shall be considered as included in other rates and prices in the Bill of Quantities and will not be paid for separately.</p> <p>However, a new rate or price shall be appropriate for an item of work if:</p> <p>(a)</p> <ul style="list-style-type: none"><li>(i) the measured quantity of the item is changed by more than 25% from the quantity of this item in the Bill of Quantities or other Schedule,</li><li>(ii) this change in quantity multiplied by such specified rate for this item exceeds 5% of the Accepted Contract Amount,</li><li>(iii) this item is not specified in the Contract as a “fixed rate item”;</li></ul> <p>or</p> <p>(b)</p> <ul style="list-style-type: none"><li>(i) the work is instructed under Clause 13 [Variations and Adjustments],</li><li>(ii) no rate or price is specified in the Contract for this item, and</li><li>(iii) no specified rate or price is appropriate because the item of work is not of similar character, or is not executed under similar conditions, as any item in the Contract.</li></ul> <p>Each new rate or price shall be derived from any relevant rates or prices in the Contract, with reasonable adjustments to take account of the matters described in sub-paragraph (a) and/or (b), as applicable. If no rates or</p>
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	<p>prices are relevant for the derivation of a new rate or price, it shall be derived from the reasonable Cost of executing the work, together with profit, taking account of any other relevant matters.</p> <p>Until such time as an appropriate rate or price is agreed or determined, the Engineer shall determine a provisional rate or price for the purposes of Interim Payment Certificates as soon as the concerned work commences.</p>
<p><b>13. VARIATIONS AND ADJUSTMENTS</b></p>	
<p><b>13.1 RIGHT TO VARY</b></p>	<p>Variations may be initiated by the Engineer at any time prior to issuing the Taking-Over Certificate for the Works, either by an instruction or by a request for the Contractor to submit a proposal.</p> <p>The Contractor shall execute and be bound by each Variation, unless the Contractor promptly gives notice to the Engineer stating (with supporting particulars) that (i) the Contractor cannot readily obtain the Goods required for the Variation, or (ii) such Variation triggers a substantial change in the sequence or progress of the Works. Upon receiving this notice, the Engineer shall cancel, confirm or vary the instruction.</p> <p>Each Variation may include:</p> <ul style="list-style-type: none"> <li>(a) changes to the quantities of any item of work included in the Contract (however, such changes do not necessarily constitute a Variation),</li> <li>(b) changes to the quality and other characteristics of any item of work,</li> <li>(c) changes to the levels, positions and/or dimensions of any part of the Works,</li> <li>(a) omission of any work unless it is to be carried out by others,</li> <li>(b) any additional work, Plant, Materials or services necessary for the Permanent Works, including any associated Tests on Completion, boreholes and other testing and exploratory work, or</li> </ul>

	<p>(c) changes to the sequence or timing of the execution of the Works.</p> <p>The Contractor shall not make any alteration and/or modification of the Permanent Works, unless and until the Engineer instructs or approves a Variation.</p>
<p><b>13.2 VARIATION PROCEDURE</b></p>	<p>If the Engineer requests a proposal, prior to instructing a Variation, the Contractor shall respond in writing as soon as practicable, either by giving reasons why he cannot comply (if this is the case) or by submitting:</p> <p>(a) a description of the proposed work to be performed and a programme for its execution,</p> <p>(b) the Contractor’s proposal for any necessary modifications to the programme according to Sub-Clause 8.3 [Programme] and to the Time for Completion, and</p> <p>(c) the Contractor’s proposal for evaluation of the Variation.</p> <p>The Engineer shall, as soon as practicable after receiving such proposal respond with approval, disapproval or comments. The Contractor shall not delay any work whilst awaiting a response.</p> <p>Each instruction to execute a Variation, with any requirements for the recording of Costs, shall be issued by the Engineer to the Contractor, who shall acknowledge receipt.</p> <p>Each Variation shall be evaluated in accordance with Clause 12 [Measurement and Evaluation], unless the Engineer instructs or approves otherwise in accordance with this Clause.</p>
<p><b>13.3 ADJUSTMENTS FOR CHANGES IN COST/ PRICE ADJUSTMENT</b></p>	<p>If this Sub-Clause applies, the amounts payable to the Contractor shall be adjusted for rises or falls in the cost of labour, Goods and other inputs to the Works, by the addition or deduction of the amounts determined by the formulae prescribed in Special Conditions of Contract Section VII</p>
<p><b>14. CONTRACT PRICE AND PAYMENT</b></p>	



<p><b>14.1 THE CONTRACT PRICE</b></p>	<p>Unless otherwise stated in the Special Conditions of Contract:</p> <ul style="list-style-type: none"> <li>(a) the Contract Price shall be agreed or determined under Sub-Clause 12.3 [Evaluation] and be subject to adjustments in accordance with the Contract;</li> <li>(b) the Contractor shall pay all statutory taxes, duties and fees required to be paid by him under the Contract, and the Contract Price shall not be adjusted for any of these costs</li> <li>(c) any quantities which may be set out in the Bill of Quantities or other Schedule are estimated quantities and are not to be taken as the actual and correct quantities: <ul style="list-style-type: none"> <li>(i) of the Works which the Contractor is required to execute, or</li> <li>(ii) for the purposes of Clause 12 [Measurement and Evaluation]; and</li> </ul> </li> <li>(d) the Contractor shall submit to the Engineer, within 28 days after the Commencement Date, a proposed breakdown of each lump sum price in the Schedules. The Engineer may take account of the breakdown when preparing Payment Certificates, but shall not be bound by it.</li> </ul>
<p><b>14.2 MOBILIZATION ADVANCE</b></p>	<p>The Employer shall make a mobilization advance to the contractor if requested by the Contractor, at an interest rate specified in Contract Data of Special Conditions of Contract towards mobilization and cash flow support, when the Contractor submits a guarantee in accordance with this Sub-Clause. The total advance payment, the number and timing of installments (if more than one), and the applicable currencies and proportions, shall be as stated in the Contract Data.</p> <p>Unless and until the Employer receives this guarantee, or if the total Mobilization Advance is not stated in the Contract Data, this Sub-Clause shall not apply.</p> <p>Unless stated otherwise in the Contract Data, the Mobilization Advance payment shall be repaid through percentage deductions from the interim payments</p>

	determined by the Engineer in accordance with Sub-Clause 14.6 [Issue of Interim Payment Certificates]
<b>14.3 APPLICATION FOR INTERIM PAYMENT CERTIFICATES</b>	<p>The Contractor shall submit a Statement in 3 (three) copies to the Engineer after the end of each month, in a form approved by the Engineer, showing in detail the amounts to which the Contractor considers himself to be entitled, together with supporting documents which shall include the report on the progress during this month in accordance with Sub-Clause 4.21 [Progress Reports].</p> <p>The Statement shall include the following items in the sequence listed:</p> <ul style="list-style-type: none"> <li>(a) the estimated contract value of the Works executed and the Contractor's Documents produced up to the end of the month (including Variations but excluding items described in sub-paragraphs (b) to (g) below);</li> <li>(b) any amount to be deducted for advance payment, retention, calculated by applying the percentage of retention stated in the Contract Data to the total of the above amounts, until the amount so retained by the Employer reaches the limit of Retention Money (if any) stated in the Contract Data;</li> <li>(c) any other additions or deductions which may have become due under the Contract or otherwise, including those under Clause 20 [Claims, Disputes and Arbitration]; and</li> <li>(d) the deduction of amounts certified in all previous Payment Certificates.</li> </ul>
<b>14.4 SCHEDULE OF PAYMENTS</b>	<p>If the Contract includes a schedule of payments specifying the instalments in which the Contract Price will be paid, then unless otherwise stated in this schedule:</p> <ul style="list-style-type: none"> <li>(a) the instalments quoted in this schedule of payments shall be the estimated contract values for the purposes of sub-paragraph (a) of Sub-Clause 14.3 [Application for Interim Payment Certificates]; and</li> </ul>

	<p>(b) if these instalments are not defined by reference to the actual progress achieved in executing the Works, and if actual progress is found to be less than that on which this schedule of payments was based, then the Engineer may proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine revised instalments, which shall take account of the extent to which progress is less than that on which the instalments were previously based.</p>
<p><b>14.5 ISSUE OF INTERIM PAYMENT CERTIFICATES</b></p>	<p>No amount will be certified or paid until the Employer has received and approved the Performance Security. Thereafter, the Engineer shall, within 28 days after receiving a Statement and supporting documents, deliver to the Employer and to the Contractor an Interim Payment Certificate which shall state the amount which the Engineer fairly determines to be due, with all supporting particulars for any reduction or withholding made by the Engineer on the Statement if any.</p> <p>The Engineer may in any Payment Certificate make any correction or modification that should properly be made to any previous Payment Certificate. A Payment Certificate shall not be deemed to indicate the Engineer's acceptance, approval, consent or satisfaction.</p>
<p><b>14.6 PAYMENT</b></p>	<p>The Employer shall pay to the Contractor:</p> <p>(a) the amount certified in each Interim Payment Certificate within 30 days after the Engineer receives the Statement and supporting documents and</p> <p>(b) the amount certified in the Final Payment Certificate within 45 days after the Employer receives this Payment Certificate</p>
<p><b>14.7 PAYMENT OF RETENTION MONEY</b></p>	<p>When the Taking-Over Certificate has been issued for the Works, the first half of the Retention Money shall be certified by the Engineer for payment to the Contractor.</p> <p>Promptly after the latest of the expiry dates of the Defects Liability Periods, the outstanding balance of the</p>

	<p>Retention Money shall be certified by the Engineer for payment to the Contractor.</p> <p>However, if any work remains to be executed under Clause 11 [Defects Liability], the Engineer shall be entitled to withhold certification of the estimated cost of this work until it has been executed.</p>
<b>14.8 STATEMENT AT COMPLETION</b>	<p>Unless given more specifically in the Special Conditions of the Contract, the Contractor within 30 days after receiving the Taking-Over Certificate for the Works, the Contractor shall submit to the Engineer three copies of a Statement at completion with supporting documents, in accordance with Sub-Clause 14.3 [Application for Interim Payment Certificates], showing the value of all work done in accordance with the Contract up to the date stated in the Taking-Over Certificate for the Works</p>
<b>14.9 APPLICATION FOR FINAL PAYMENT CERTIFICATE</b>	<p>Within 60 days after receiving the Performance Certificate, the Contractor shall submit, to the Engineer, three copies of a draft final statement with supporting documents showing in detail in a form approved by the Engineer the value of all work done in accordance with the Contract, and</p> <p>If the Engineer disagrees with or cannot verify any part of the draft final statement, the Contractor shall submit such further information as the Engineer may reasonably require within 28 days from receipt of said draft and shall make such changes in the draft as may be agreed between them. The Contractor shall then prepare and submit to the Engineer the final statement as agreed. This agreed statement is referred to in these Conditions as the “Final Statement”.</p>
<b>14.10 DISCHARGE</b>	<p>When submitting the Final Statement, the Contractor shall submit a discharge which confirms that the total of the Final Statement represents full and final settlement of all moneys due to the Contractor under or in connection with the Contract.</p>
<b>14.11 ISSUE OF FINAL PAYMENT CERTIFICATE</b>	<p>Within 28 days after receiving the Final Statement and discharge in accordance with Sub-Clause 14.9 [Application for Final Payment Certificate] and Sub-Clause 14.10 [Discharge], the Engineer shall deliver, to</p>

	<p>the Employer and to the Contractor, the Final Payment Certificate which shall state:</p> <ul style="list-style-type: none"> <li>(a) the amount which he fairly determines is finally due, and</li> <li>(b) after giving credit to the Employer for all amounts previously paid by the Employer and for all sums to which the Employer is entitled, the balance (if any) due from the Employer to the Contractor or from the Contractor to the Employer, as the case may be.</li> </ul> <p>If the Contractor has not applied for a Final Payment Certificate in accordance with Sub-Clause 14.9 [Application for Final Payment Certificate] and Sub-Clause 14.10 [Discharge], the Engineer shall request the Contractor to do so. If the Contractor fails to submit an application within a period of 28 days, the Engineer shall issue the Final Payment Certificate for such amount as he fairly determines to be due.</p>
<p><b>14.12 CESSATION OF EMPLOYER’S LIABILITY</b></p>	<p>The Employer shall not be liable to the Contractor for any matter or thing under or in connection with the Contract or execution of the Works, except to the extent that the Contractor shall have included an amount expressly for it in the Final Statement.</p>
<p><b>15. TERMINATION BY EMPLOYER</b></p>	
<p><b>15.1 NOTICE TO CORRECT</b></p>	<p>If the Contractor fails to carry out any obligation under the Contract, the Engineer may by notice require the Contractor to make good the failure and to remedy it within a specified reasonable time.</p>
<p><b>15.2 TERMINATION BY EMPLOYER</b></p>	<p>The Employer shall be entitled to terminate the Contract if the Contractor:</p> <ul style="list-style-type: none"> <li>(a) fails to comply with Sub-Clause 4.2 [Performance Security] or with a notice under Sub-Clause 15.1 [Notice to Correct],</li> <li>(b) abandons the Works or otherwise plainly demonstrates the intention not to continue performance of his obligations under the Contract,</li> <li>(c) subcontracts the whole of the Works or assigns the Contract without the required agreement,</li> </ul>

	<p>(d) becomes bankrupt or insolvent, goes into liquidation, has a receiving or administration order made against him, compounds with his creditors, or carries on business under a receiver, trustee or manager for the benefit of his creditors,</p> <p>(e) gives or offers to give (directly or indirectly) to any person any bribe, gift, gratuity, commission or other thing of value, as an inducement or reward:</p> <p>(i) for doing or forbearing to do any action in relation to the Contract, or</p> <p>(ii) for showing or forbearing to show favour or disfavour to any person in relation to the Contract,</p> <p>In any of these events or circumstances, the Employer 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 (e), the Employer may by notice terminate the Contract immediately.</p> <p>The Employer's election to terminate the Contract shall not prejudice any other rights of the Employer, under the Contract or otherwise.</p> <p>The Contractor shall then leave the Site and deliver any required Goods, all Contractor's Documents, and other design documents made by or for him, to the Engineer.</p>
<p><b>15.3 VALUATION AT DATE OF TERMINATION</b></p>	<p>As soon as practicable after a notice of termination under Sub-Clause 15.2 [Termination by Employer] has taken effect, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine the value of the Works, Goods and Contractor's Documents, and any other sums due to the Contractor for work executed in accordance with the Contract.</p>
<p><b>15.4 PAYMENT AFTER TERMINATION</b></p>	<p>After a notice of termination under Sub-Clause 15.2 [Termination by Employer] has taken effect, the Employer may:</p>

	<ul style="list-style-type: none"> <li>(a) proceed in accordance with Sub-Clause 2.4 [Employer's Claims],</li> <li>(b) withhold further payments to the Contractor until the costs of execution, completion and remedying of any defects, damages for delay in completion (if any), and all other costs incurred by the Employer, have been established, and/or</li> <li>(c) recover from the Contractor any losses and damages incurred by the Employer and any extra costs of completing the Works, after allowing for any sum due to the Contractor under Sub-Clause 15.3 [Valuation at Date of Termination]. After recovering any such losses, damages and extra costs, the Employer shall pay any balance to the Contractor.</li> </ul>
<p><b>16. SUSPENSION AND TERMINATION BY CONTRACTOR</b></p>	
<p><b>16.1 CONTRACTOR'S ENTITLEMENT TO SUSPEND WORK</b></p>	<p>If the Engineer fails to certify in accordance with Sub-Clause 14.5 [Issue of Interim Payment Certificates] or Sub-Clause 14.6 [Payment], the Contractor may, after giving not less than 21 days' notice to the Employer, suspend work (or reduce the rate of work) unless and until the Contractor has received the Payment Certificate, reasonable evidence or payment, as the case may be and as described in the notice.</p> <p>If the Contractor subsequently receives such Payment Certificate, evidence or payment (as described in the relevant Sub-Clause and in the above notice) before giving a notice of termination, the Contractor shall resume normal working as soon as is reasonably practicable.</p>
<p><b>16.2 TERMINATION BY CONTRACTOR</b></p>	<p>The Contractor shall be entitled to terminate the Contract if:</p> <ul style="list-style-type: none"> <li>a. the Engineer fails, within 56 days after receiving a Statement and supporting documents, to issue the relevant Payment Certificate,</li> <li>b. the Contractor does not receive the amount due under an Interim Payment Certificate within 42 days after the expiry of the time stated in Sub-Clause 14.6 [Payment] within which payment is to</li> </ul>

	<p>be made (except for deductions in accordance with Sub-Clause 2.4 [Employer’s Claims]),</p> <ul style="list-style-type: none"> <li>c. the Employer substantially fails to perform his obligations under the Contract in such manner as to materially and adversely affect the economic balance of the Contract and/or the ability of the Contractor to perform the Contract,</li> <li>d. the Employer fails to comply with Sub-Clause 1.6 [Contract Agreement] or Sub-Clause 1.7 [Assignment]</li> </ul> <p>In any of these events or circumstances, the Contractor may, upon giving 14 days’ notice to the Employer, terminate the Contract.</p>
<p><b>16.3 CESSATION OF WORK AND REMOVAL OF CONTRACTOR’S EQUIPMENT</b></p>	<p>After a notice of termination under Sub-Clause 16.2 [Termination by Contractor] or Sub-Clause 19.6 [Optional Termination, Payment and Release] has taken effect, the Contractor shall promptly:</p> <ul style="list-style-type: none"> <li>(a) cease all further work, except for such work as may have been instructed by the Engineer for the protection of life or property or for the safety of the Works,</li> <li>(b) hand over Contractor’s Documents, Plant, Materials and other work, for which the Contractor has received payment, and</li> <li>(c) remove all other Goods from the Site, except as necessary for safety, and leave the Site.</li> </ul>
<p><b>16.4 PAYMENT ON TERMINATION</b></p>	<p>After a notice of termination under Sub-Clause 16.2 [Termination by Contractor] has taken effect, the Employer shall promptly:</p> <ul style="list-style-type: none"> <li>(a) return the Performance Security to the Contractor,</li> <li>(b) pay the Contractor in accordance with Sub-Clause 19.6 [Optional Termination, Payment and Release], and</li> <li>(c) pay to the Contractor the amount of any loss or damage sustained by the Contractor as a result of this termination.</li> </ul>



<b>17. RISK AND RESPONSIBILITY</b>	
<b>17.1 INDEMNITIES</b>	<p>The Contractor shall indemnify and hold harmless the Employer, the Employer's Personnel, and their respective agents, against and from all claims, damages, losses and expenses (including legal fees and expenses) in respect of:</p> <p>(a) bodily injury, sickness, disease or death, of any person whatsoever arising out of or in the course of or by reason of the Contractor's design (if any), the execution and completion of the Works and the remedying of any defects, unless attributable to any negligence, wilful act or breach of the Contract by the Employer, the Employer's Personnel, or any of their respective agents, and</p> <p>(b) damage to or loss of any property, real or personal (other than the Works), to the extent that such damage or loss arises out of or in the course of or by reason of the Contractor's design (if any), the execution and completion of the Works and the remedying of any defects, unless and to the extent that any such damage or loss is attributable to any negligence, wilful act or breach of the Contract by the Employer, the Employer's Personnel, their respective agents, or anyone directly or indirectly employed by any of them.</p>
<b>17.2 CONTRACTOR'S CARE OF THE WORKS</b>	<p>The Contractor shall take full responsibility for the care of the Works and Goods from the Commencement Date until the Taking-Over Certificate is issued (or is deemed to be issued under Sub-Clause 10.1 [Taking Over of the Works and Sections]) for the Works, when responsibility for the care of the Works shall pass to the Employer.</p> <p>If any loss or damage happens to the Works, Goods or Contractor's Documents during the period when the Contractor is responsible for their care, from any cause not listed in Sub-Clause 17.3 [Employer's Risks], the Contractor shall rectify the loss or damage at the Contractor's risk and cost, so that the Works, Goods and Contractor's Documents conform with the Contract.</p>

	<p>The Contractor shall be liable for any loss or damage caused by any actions performed by the Contractor after a Taking-Over Certificate has been issued. The Contractor shall also be liable for any loss or damage which occurs after a Taking-Over Certificate has been issued and which arose from a previous event for which the Contractor was liable.</p>
<p><b>17.3 EMPLOYER’S RISKS</b></p>	<p>The risks referred to in Sub-Clause 17.4 [Consequences of Employer’s Risks] below, insofar as they directly affect the execution of the Works in the Country, are:</p> <ul style="list-style-type: none"> <li>(a) war, hostilities (whether war be declared or not), invasion, act of foreign enemies,</li> <li>(b) rebellion, terrorism, sabotage by persons other than the Contractor’s Personnel, revolution, insurrection, military or usurped power, or civil war, within the Country,</li> <li>(c) riot, commotion or disorder within the Country by persons other than the Contractor’s Personnel,</li> <li>(d) any operation of the forces of nature which is Unforeseeable or against which an experienced contractor could not reasonably have been expected to have taken adequate preventive precautions.</li> </ul>
<p><b>17.4 CONSEQUENCES OF EMPLOYER’S RISKS</b></p>	<p>If and to the extent that any of the risks listed in Sub-Clause 17.3 above results in loss or damage to the Works, Goods or Contractor’s Documents, the Contractor shall promptly give notice to the Engineer and shall rectify this loss or damage to the extent required by the Engineer.</p> <p>If the Contractor suffers delay and/or incurs Cost from rectifying this loss or damage, the Contractor shall give a further notice to the Engineer and shall be entitled subject to Sub-Clause 20.1 [Contractor’s Claims] to:</p> <ul style="list-style-type: none"> <li>(a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and</li> <li>(b) payment of any such Cost, which shall be included in the Contract Price. In the case of sub-paragraphs</li> </ul>

	<p>(f) and (g) of Sub-Clause 17.3 [Employer's Risks], Cost plus profit shall be payable.</p> <p>After receiving this further notice, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.</p>
<p><b>17.5 INTELLECTUAL AND INDUSTRIAL PROPERTY RIGHTS</b></p>	<p>In this Sub-Clause, “infringement” means an infringement (or alleged infringement) of any patent, registered design, copyright, trade mark, trade name, trade secret or other intellectual or industrial property right relating to the Works; and “claim” means a claim (or proceedings pursuing a claim) alleging an infringement.</p> <p>The Contractor shall indemnify and hold the Employer harmless against and from any other claim which arises out of or in relation to (i) the manufacture, use, sale or import of any Goods, or (ii) any design for which the Contractor is responsible.</p> <p>If a Party is entitled to be indemnified under this Sub-Clause, the indemnifying Party may (at its cost) conduct negotiations for the settlement of the claim, and any litigation or arbitration which may arise from it. The other Party shall, at the request and cost of the indemnifying Party, assist in contesting the claim. This other Party (and its Personnel) shall not make any admission which might be prejudicial to the indemnifying Party, unless the indemnifying Party failed to take over the conduct of any negotiations, litigation or arbitration upon being requested to do so by such other Party.</p>

<p><b>17.6 USE OF EMPLOYER’S ACCOMMODATION/FACILITIES</b></p>	<p>The Contractor shall take full responsibility for the care of the Employer provided accommodation and facilities, if any, as detailed in the Specification, from the respective dates of hand-over to the Contractor until cessation of occupation (where hand-over or cessation of occupation may take place after the date stated in the Taking-Over Certificate for the Works).</p> <p>If any loss or damage happens to any of the above items while the Contractor is responsible for their care arising from any cause whatsoever other than those for which the Employer is liable, the Contractor shall, at his own cost, rectify the loss or damage to the satisfaction of the Engineer.</p>
<p><b>18. INSURANCE</b></p>	
<p><b>18.1 INSURANCE FOR WORKS AND CONTRACTOR’S EQUIPMENT</b></p>	<p>Before the commencement of the work, the Contractor shall take and maintain insurances under this Sub-Clause: The Insurance</p> <p>(a) shall be in the joint names of the Parties, who shall be jointly entitled to receive payments from the insurers, payments being held or allocated to the Party actually bearing the costs of rectifying the loss or damage,</p> <p>(b) shall cover all loss and damage from any cause not listed in Sub-Clause 17.3 [Employer’s Risks],</p> <p>(c) shall also cover, to the extent specifically required in the bidding documents of the Contract, loss or damage to a part of the Works which is attributable to the use or occupation by the Employer of another part of the Works, and loss or damage from the risks listed in sub-paragraphs (c), (g) and (h) of Sub-Clause 17.3 [Employer’s Risks], excluding (in each case) risks which are not insurable at commercially reasonable terms.</p> <p>The Contractor should take Contractor's All Risk Insurance and Extensions on first loss basis: Policy to inter alias cover the following:</p> <ul style="list-style-type: none"> <li>• Contract works for entire Contract Value plus cost of Owner supplied material valid for the</li> </ul>

	<p>completion period and any extension thereof.</p> <ul style="list-style-type: none"> <li>• Earthquake, Civil commotion, riots, war and other disturbances.</li> <li>• Debris removal.</li> <li>• Extended Maintenance Cover till completion of Defects Liability Period and any extension thereof.</li> </ul>
<p><b>18.2 INSURANCE AGAINST INJURY TO PERSONS AND DAMAGE TO PROPERTY (THIRD PARTY)</b></p>	<p>The Contractor shall insure against any loss, damage, death or bodily injury which may occur to any physical property (except things insured under Sub-Clause 18.1 [Insurance for Works and Contractor’s Equipment]) or to any person (except persons insured under Sub-Clause 18.3 [Insurance for Contractor’s Personnel]), which may arise out of the Contractor’s performance of the Contract and occurring before the issue of the Performance Certificate.</p> <p>This insurance shall be for a limit per occurrence of not less than the amount stated in the Contract Data, with no limit on the number of occurrences. If an amount is not stated in the Contract Data, this Sub-Clause shall not apply.</p> <p>Unless otherwise stated in the Special Conditions of Contract, the insurances specified in this Sub-Clause:</p> <ul style="list-style-type: none"> <li>(a) shall be effected and maintained by the Contractor as insuring Party,</li> <li>(b) shall be in the joint names of the Parties,</li> <li>(c) shall be extended to cover liability for all loss and damage to the Employer’s property (except things insured under Sub-Clause 18.1) arising out of the Contractor’s performance of the Contract, and</li> <li>(d) may however exclude liability to the extent that it arises from: <ul style="list-style-type: none"> <li>(i) the Employer’s right to have the Permanent Works executed on, over, under, in or through any land, and to occupy this land for the Permanent Works,</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>(ii) damage which is an unavoidable result of the Contractor's obligations to execute the Works and remedy any defects, and</li> <li>(iii) a cause listed in Sub-Clause 17.3 [Employer's Risks], except to the extent that cover is available at commercially reasonable terms.</li> </ul>
<b>18.3 INSURANCE FOR CONTRACTOR'S PERSONNEL</b>	<p>The Contractor shall effect and maintain Workmen's Compensation Insurance/ equivalent insurance against liability for claims, damages, losses and expenses (including legal fees and expenses) arising from injury, sickness, disease or death of any person employed by the Contractor or any other of the Contractor's Personnel.</p> <p>The insurance shall cover the Employer and the Engineer against liability for claims, damages, losses and expenses (including legal fees and expenses) arising from injury, sickness, disease or death of any person employed by the Contractor or any other of the Contractor's Personnel, except that this insurance may exclude losses and claims to the extent that they arise from any act or neglect of the Employer or of the Employer's Personnel.</p> <p>The insurance shall be maintained in full force and effect during the whole time that these personnel are assisting in the execution of the Works. For a Subcontractor's employees, the insurance may be affected by the Subcontractor, but the Contractor shall be responsible for compliance with this Clause.</p>
<b>18.4 FAILURE TO INSURE</b>	<p>If the Contractor fails to comply with the terms of Sub clause 18, the Engineer may effect and / or keep current (but without obligation to do so) the insurance at the cost and expense of the Contractor and at two times the expenses incurred, deduct the expenses from any moneys that may be or become payable to the Contractor or may use his option, refuse payment of any certificate to the Contractor until the Contractor complies with this condition.</p>
<b>19. FORCE MAJEURE</b>	
<b>19.1 DEFINITION OF FORCE MAJEURE</b>	<p>In this Clause, "Force Majeure" means an exceptional event or circumstance:</p>

	<ul style="list-style-type: none"> <li>(a) which is beyond a Party's control,</li> <li>(b) which such Party could not reasonably have provided against before entering into the Contract,</li> <li>(c) which, having arisen, such Party could not reasonably have avoided or overcome, and</li> <li>(d) which is not substantially attributable to the other Party.</li> </ul> <p>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:</p> <ul style="list-style-type: none"> <li>(i) war, hostilities (whether war be declared or not), invasion, act of foreign enemies,</li> <li>(ii) rebellion, terrorism, sabotage by persons other than the Contractor's Personnel, revolution, insurrection, military or usurped power, or civil war,</li> <li>(iii) riot, commotion, disorder, strike or lockout by persons other than the Contractor's Personnel,</li> <li>(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</li> <li>(v) natural catastrophes such as earthquake, hurricane, typhoon or volcanic activity.</li> </ul>
<p><b>19.2 NOTICE OF FORCE MAJEURE</b></p>	<p>If a Party is or will be prevented from performing its substantial obligations under the Contract by Force Majeure, then it shall give notice to the other Party of the event or circumstances constituting the Force Majeure and shall specify the obligations, the performance of which is or will be prevented. The notice shall be given within 14 days after the Party became aware, or should have become aware, of the relevant event or circumstance constituting Force Majeure.</p>

	<p>The Party shall, having given notice, be excused performance of its obligations for so long as such Force Majeure prevents it from performing them.</p> <p>Notwithstanding any other provision of this Clause, Force Majeure shall not apply to obligations of either Party to make payments to the other Party under the Contract.</p>
<p><b>19.3 DUTY TO MINIMIZE DELAY</b></p>	<p>Each Party shall at all times use all reasonable endeavours to minimise any delay in the performance of the Contract as a result of Force Majeure.</p> <p>A Party shall give notice to the other Party when it ceases to be affected by the Force Majeure.</p>
<p><b>19.4 CONSEQUENCES OF FORCE MAJEURE</b></p>	<p>If the Contractor is prevented from performing his substantial obligations under the Contract by Force Majeure of which notice has been given under Sub-Clause 19.2 [Notice of Force Majeure], and suffers delay and/or incurs Cost by reason of such Force Majeure, the Contractor shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:</p> <ul style="list-style-type: none"> <li>(a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and</li> <li>(b) if the event or circumstance is of the kind described in sub-paragraphs (i) to (iv) of Sub-Clause 19.1 [Definition of Force Majeure] and, in sub-paragraphs (ii) to (iv), occurs in the Country, payment of any such Cost, including the costs of rectifying or replacing the Works and/or Goods damaged or destroyed by Force Majeure, to the extent they are not indemnified through the insurance policy referred to in Sub-Clause 18.1 [Insurance for Works and Contractor's Equipment].</li> </ul> <p>After receiving this notice, the Engineer shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.</p>



<p><b>19.5 FORCE MAJEURE AFFECTING SUBCONTRACTOR</b></p>	<p>If any Subcontractor is entitled under any contract or agreement relating to the Works to relief from force majeure on terms additional to or broader than those specified in this Clause, such additional or broader force majeure events or circumstances shall not excuse the Contractor's non-performance or entitle him to relief under this Clause.</p>
<p><b>19.6 OPTIONAL TERMINATION, PAYMENT AND RELEASE</b></p>	<p>If the execution of substantially all the Works in progress is prevented for a continuous period of 84 days by reason of Force Majeure of which notice has been given under Sub-Clause 19.2 [Notice of Force Majeure], or for multiple periods which total more than 140 days due to the same notified Force Majeure, then either Party may give to the other Party a notice of termination of the Contract. In this event, the termination shall take effect 7 days after the notice is given, and the Contractor shall proceed in accordance with Sub-Clause 16.3 [Cessation of Work and Removal of Contractor's Equipment].</p> <p>Upon such termination, the Engineer shall determine the value of the work done and issue a Payment Certificate which shall include:</p> <ul style="list-style-type: none"> <li>(a) the amounts payable for any work carried out for which a price is stated in the Contract;</li> <li>(b) the Cost of Plant and Materials ordered for the Works which have been delivered to the Contractor, or of which the Contractor is liable to accept delivery: this Plant and Materials shall become the property of (and be at the risk of) the Employer when paid for by the Employer, and the Contractor shall place the same at the Employer's disposal;</li> <li>(c) other Cost or liabilities which in the circumstances were reasonably and necessarily incurred by the Contractor in the expectation of completing the Works.</li> </ul>
<p><b>19.7 RELEASE FROM PERFORMANCE</b></p>	<p>Notwithstanding any other provision of this Clause, if any event or circumstance outside the control of the Parties (including, but not limited to, Force Majeure) arises which makes it impossible or unlawful for either or both Parties to</p>

	<p>fulfil its or their contractual obligations or which, under the law governing the Contract, entitles the Parties to be released from further performance of the Contract, then upon notice by either Party to the other Party of such event or circumstance:</p> <p>(a) the Parties shall be discharged from further performance, without prejudice to the rights of either Party in respect of any previous breach of the Contract, and</p> <p>(b) the sum payable by the Employer to the Contractor shall be the same as would have been payable under Sub-Clause 19.6 [Optional Termination, Payment and Release] if the Contract had been terminated under Sub-Clause 19.6.</p>
<p><b>20. CLAIMS, DISPUTES AND ARBITRATION</b></p>	
<p><b>20.1 CONTRACTOR'S CLAIMS</b></p>	<p>If the Contractor considers himself to be entitled to any extension of the Time for Completion under any Clause of these Conditions or otherwise in connection with the Contract, the Contractor shall give notice to the Engineer, describing the event or circumstance giving rise to the claim. The notice shall be given as soon as practicable, and not later than 28 days after the Contractor became aware, or should have become aware, of the event or circumstance.</p> <p>If the Contractor fails to give notice of a claim within such period of 28 days, the Time for Completion shall not be extended.</p> <p>The Contractor shall also submit any other notices which are required by the Contract, and supporting particulars for the extension all as relevant to such event or circumstance.</p> <p>The Contractor shall keep such contemporary records as may be necessary to substantiate any claim, either on the Site or at another location acceptable to the Engineer. Without admitting the Employer's liability, the Engineer may, after receiving any notice under this Sub-Clause, monitor the record-keeping and/or instruct the Contractor to keep further contemporary records. The Contractor shall permit the Engineer to</p>

	inspect all these records, and shall (if instructed) submit copies to the Engineer.
<b>20.2 APPOINTMENT OF THE ADJUDICATOR</b>	<p>The Adjudicator shall be appointed jointly by the Employer and the Contractor, at the time of the Employer’s issuance of the Letter of Acceptance. If, in the Letter of Acceptance, the Employer does not agree on the appointment of the Adjudicator, the Employer will request the Appointing Authority designated in the <b>SCC</b>, to appoint the Adjudicator within 14 days of receipt of such request.</p> <p>Should the Adjudicator resign or die, or should the Employer and the Contractor agree that the Adjudicator is not functioning in accordance with the provisions of the Contract, a new Adjudicator shall be jointly appointed by the Employer and the Implementing Agency. In case of disagreement between the Employer and the Contractor, within 30 days, the Adjudicator shall be designated by the Appointing Authority at the request of either party, within 14 days of receipt of such request.</p>
<b>20.3 PROCEDURE FOR DISPUTES</b>	<p>If the Contractor believes that a decision taken by the Engineer was either outside the authority given to the Engineer by the Contract or that the decision was wrongly taken, the decision shall be referred to the Adjudicator within 14 days of the notification of the Engineer’s decision.</p> <p>The Adjudicator shall give a decision in writing within 28 days of receipt of a notification of a dispute.</p> <p>The Adjudicator shall be paid by the hour at the rate specified in the <b>SCC</b>, together with reimbursable expenses of the types specified in the <b>SCC</b>, and the cost shall be divided equally between the Employer and the Contractor, whatever decision is reached by the Adjudicator. Either party may refer a decision of the Adjudicator to an Arbitrator within 28 days of the Adjudicator’s written decision. If neither party refers the dispute to arbitration within the above 28 days, the Adjudicator’s decision shall be final and binding.</p> <p>The arbitration shall be conducted in accordance with the arbitration procedures published by the institution named and in the place specified in the <b>SCC</b>.</p>
<b>20.4 VOID</b>	
<b>20.5 ARBITRATION</b>	Any dispute between the Parties arising out of or in connection with the Contract not settled amicably in accordance with Sub-Clause 20.5 above and in respect of

	<p>which the Adjudicator’s decision (if any) has not become final and binding shall be finally settled by arbitration. Arbitration shall be conducted in accordance with <b>The Arbitration and Conciliation Act, 1996</b></p> <p>The place of arbitration shall be Kakinada as specified in the Contract Data; and the arbitration shall be conducted in the language for communications defined in Sub-Clause 1.4 [Law and Language].</p> <p>The arbitrators shall have full power to open up, review and revise any certificate, determination, instruction, opinion or valuation of the Engineer, and any decision of the Adjudicator relevant to the dispute. Nothing shall disqualify representatives of the Parties and the Engineer from being called as a witness and giving evidence before the arbitrators on any matter whatsoever relevant to the dispute.</p>
<b>20.6 VOID</b>	
<b>20.7 VOID</b>	

## **Section VII - Special Conditions of Contract**

The following Special Conditions of Contract shall supplement the GC. Whenever there is a conflict, the provisions herein shall prevail over those in the GC.

### Part A - Contract Data

Sub-Clause	Conditions	Data
1.1.2.2 & 1.3	<b>Employer's name and address</b>	<b>Managing Director</b> Kakinada Smart City Corporation Limited KSCCL, D.no 2-33-10, Peketivari street, Perrajupeta,, Kakinada, 533001, AP, India
1.1.2.4 & 1.3	<b>Engineer's name and address</b>	<b>Project Manager</b> Kakinada Smart City Corporation Limited KSCCL, D.no 2-33-10, Peketivari street, Perrajupeta,, Kakinada, 533001, AP, India
1.1.5.6	<b>Sections</b>	<i>Sections Not allowed.</i>
1.6	<b>Time for the Parties entering into a Contract Agreement</b>	<p>The successful bidder(s) shall execute an agreement/contract for the fulfilment of the contract on Rs.100/- non judicial stamp paper in the format enclosed, within 10 days (ten days) from the date of issuance of Letter on Award to the successful bidder.</p> <p>The successful Bidder shall have to submit Letter of Acceptance within 04 (four days) working days, from the date of issuance of Letter of Award(LoA).</p> <p>The successful bidder shall complete all the formalities including depositing performance guarantee equivalent to 5% of cost quoted by the bidder to enter into the contract agreement. After the receipt of the PBG the Employer will enter into agreement with the Contractor and Issue a Work Order within 3 working days from entering into the contract agreement duly indicating the commencement date.</p> <p>The incidental expenses of execution of agreement/contract shall be borne by the successful bidder.</p>
3.1(b)(ii)	<b>Engineer's Duties and Authority</b>	Any Variations resulting in an increase of the Accepted Contract Amount in excess of Contract Price shall require approval of the Employer.
4.2	<b>Performance Security</b>	<b>5%</b> of the bid value will be the performance security (PBG) in the form of a Bank Guarantee from a Nationalized / Scheduled / commercial bank issued in favour of Kakinada Smart City Corporation Limited as per format given in Section VIII. The PBG will be returned back after the successful

Sub-Clause	Conditions	Data
		completion of the project including the O&M period.
4.19	<b>Electricity and water</b>	The Contractor has to make its own arrangement for electricity and water during the construction phase.
6.5	<b>Normal working hours</b>	As per Labour rules
7.A	<b>Designs by the Employer</b>	Contractor has to conduct a detailed working surveys and submit to KSCCL, incase of any <i>major deviations</i> (in plan or levels etc..) observed from the drawing provided by KSCCL. In such case redesign and revised drawings will be provided by KSCCL or its authorised representative within 28 days from the date of raising the observation by contractor. In such case contractor will be given additional time of 28 days in his contract without any additional cost to KSCCL in any form or account.
7.3	<b>Inspection</b>	All works are to be executed in conformity to the relevant BIS Code of Practice. PMC will inspect for quality control as per the latest relevant BIS/ IS code. This clause supersedes any other codes specified earlier in the document.
8.1	<b>Commencement of Works</b>	The Commencement date of the work will be the date of issue of Work Order after the signing of the Contract Agreement.
8.2	<b>Time for Completion</b>	<u>18 months</u>
8.5	<b>Delay damages for the Works</b>	Delay damages for the works/ Liquidated damages will be applicable as per table given at the end of this section Part A- Contract Data.
8.5	<b>Maximum amount of delay damages</b>	10 % of the final Contract Price.
11	<b>Defects Liability Period</b>	2 years from the date of completion of capital / CAPEX work

Sub-Clause	Conditions	Data
13.3	<b>Adjustments for Changes in Cost/ Price Adjustment</b>	<p>Price adjustment will be done as per GO MS No.- 94 of T R &amp; B dated 16-04-2008 for only Cement and Steel, as per Govt of AP rules.</p> <p>The base price of Cement and Steel for this bid will be considered as per ENC, PH, Tadepalli Circular</p> <ol style="list-style-type: none"> <li>1. Cement OPC 43/53 grade- Rs.240 per bag</li> <li>2. TMT/HYSD bars of Fe 415 and Fe 500 grade- Rs.34,500 per Tonne.</li> </ol>
14.3, 14.4	<b>Application for Interim Payment Certificate and Schedule of Payments</b>	Interim Payment Certificates should not be raised more than once in a calendar month.
14.2	<b>Mobilization Advance</b>	<p>A mobilization advance of 10% of the bid value is payable to the Contractor on request to the Employer in two instalments against submission of BG for 110% of value.</p> <p>“mobilization advance” would be deemed as interest bearing advance at an Prime lending Rate (PLR)/ base rate of State bank of India, (to be stipulated depending on the prevailing rate at the time of issue of NIT) to be compounded quarterly.</p> <p>Advance will be recovered from the contractor from the disbursements of the first 3 interim payment certificates.</p> <p>5% mobilization advance can be given immediately after the issue of Work Order</p> <p>Balance 5% can be given after the mobilization of the man power, machinery and material at site.</p> <p>Any Mobilization advance is payable against Bank guarantee only.</p>
14.3	<b>Percentage of Retention money</b>	<p>5% of the Interim payment certificate.</p> <p>The Retention money will be returned after the successful completion of the construction phase i.e., after the receipt of Completion Certificate from the Employer.</p> <p>The retention money will be returned back after the successful completion of the project including the O&amp;M period.</p>



Sub-Clause	Conditions	Data										
14.5	<b>Issue of Interim Payment certificate.</b>	<p>The Contractor will submit the statement as for Sub-Clause 14.3 of the General Conditions of the contract to the PMC for check, certification and onward submission to the Employer.</p> <p>Payment conditions apply for all three markets independently based on the rates quoted in <b>financial bid part – 1&amp;2 based on the work actual executed.</b></p> <p>Project duration is 18 months and contractor has to raise the invoice for every 2 months based on the actual work executed.</p> <p>However in case of pipe works, the following break up will be considered</p> <p>Pipe works and Manholes</p> <table border="1" data-bbox="890 947 1513 1238"> <thead> <tr> <th data-bbox="890 947 1329 1010">Pipe works and Manholes</th> <th data-bbox="1329 947 1513 1010">% of payment</th> </tr> </thead> <tbody> <tr> <td data-bbox="890 1010 1329 1095">Manufacture and supply of pipes and stacked at the site after inspection by the third party</td> <td data-bbox="1329 1010 1513 1095">60%</td> </tr> <tr> <td data-bbox="890 1095 1329 1158">After laying, jointing including earthwork and refilling</td> <td data-bbox="1329 1095 1513 1158">20%</td> </tr> <tr> <td data-bbox="890 1158 1329 1220">After Satisfactory commissioning and testing of the network</td> <td data-bbox="1329 1158 1513 1220">10%</td> </tr> <tr> <td data-bbox="890 1220 1329 1238">Along with final bill</td> <td data-bbox="1329 1220 1513 1238">10%</td> </tr> </tbody> </table>	Pipe works and Manholes	% of payment	Manufacture and supply of pipes and stacked at the site after inspection by the third party	60%	After laying, jointing including earthwork and refilling	20%	After Satisfactory commissioning and testing of the network	10%	Along with final bill	10%
Pipe works and Manholes	% of payment											
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After Satisfactory commissioning and testing of the network	10%											
Along with final bill	10%											
14.5	<b>Minimum Amount of Interim Payment Certificates</b>	10 % of the Accepted Contract Amount except in the case of Final Payment.										
14.8	<b>Statement of Completion</b>	The Contractor along with the Statement of completion as given in GCC 14.8 shall submit 3 copies of As built drawings of the work executed along with soft copy in AutoCAD software.										
18.2	<b>Minimum amount of third party insurance</b>	As per the prevailing rules of AP Govt.										
20.2	<b>The Adjudicator shall be</b>	The Adjudicator proposed by the Employer is: <b>Chairman Institution of Engineer (India) Kakinada.</b> The hourly fee for this proposed Adjudicator shall be: Rs 1000/-. The biographical data of the proposed Adjudicator is as follows: Engineering professional, with more than 20 years experience with post graduate degree in Engineering.										

**Additional conditions:****1. Labour:**

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

The Contractor shall, if required by the Employer, deliver to the Employer a return in detail, in such form and at such intervals as the Employer 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 Employer may require.

**2. COMPLIANCE WITH LABOUR REGULATIONS:**

During continuance of the contract, the Contractor and his sub contractors shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. 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 there 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/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, Employer shall have the right to deduct any money due to the Contractor including his amount of security deposit. The Employer 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.

**3. PROTECTION OF ENVIRONMENT:**

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation. During continuance of the contract, the contractor and his sub- contractors shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority

The implementation of Mitigation Measures is the responsibilities of the Contractor/PC/ULB. However, it may be noted that implementation of all the measures is full responsibility of Contractor. The KSCCL would be responsible only for monitoring/supervision/guidance, etc

**Table: Payment, Time lines and Charges for Delay for the work - Applicable for this project (as per financial bid)**

Each Market will be considered independent unit and mile stone will be considered accordingly.

Section Name/Description (Sub-Clause 1.1.5.6)	Time for Completion (Cumulative time from signing contract) (Sub-Clause 1.1.3.3)	Damages for Delay (Sub-Clause 8.7)
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<p><b>Milestone 1</b></p> <p>Financial milestone is 15% of the Contract Price</p>	<p>3 Months</p>	<p>0.1% per week for the balance work to be done to achieve the milestone.</p>
<p><b>Milestone 2</b></p> <p>Financial milestone is 30% of the Contract Price</p>	<p>6 Months</p>	<p>0.1% per week for the balance work to be done to achieve the milestone.</p>
<p><b>Milestone 3</b></p> <p>Financial milestone is 60% of the Contract Price</p>	<p>9 Months</p>	<p>0.1% per week for the balance work to be done to achieve the milestone.</p>
<p><b>Milestone 4</b></p> <p>Financial milestone is 90% of the Contract Price</p>	<p>12 Months</p>	<p>0.1% per week for the balance work to be done to achieve the milestone.</p>
<p><b>Milestone 5</b></p> <p>All Works completed</p>	<p>Trial Running</p>	<p>0.1% per week for the balance work to be done to achieve the milestone.</p>



### **Part B - Specific Provisions**

There are no specific provisions of contract pertaining to the work for which the bid is called for.



## **Section VIII- Contract Forms**

## Table of Forms

<b>a. Contract Form</b>	<b>157</b>
<b>b. Performance Bank Guarantee Format</b>	<b>160</b>



## a. Contract Form

THIS AGREEMENT made the .....Day of ..... 2017..... Between .....  
Kakinada Smart City Corporation Limited (hereinafter called “the Employer”/ OR “KSCCL”)  
having its registered/ principal office at \_\_\_\_\_ (India) which expression shall  
mean and include, unless repugnant to the context, its successor; and permitted assigns of the  
one part

AND

..... (Name of Successful bidder) (hereinafter called “the  
contractor”/ “Successful Bidder”) having its registered/ principal office at  
\_\_\_\_\_ and which expression shall mean and include unless  
repugnant to the context, its successor; and permitted assigns,

WHEREAS the KSCCL has invited bids for \_\_\_\_\_ and whereas  
the Successful Bidder desirous of undertaking the works has bid and KSCCL has accepted the bid  
for execution of works for a sum of \_\_\_\_\_ (contract price)  
(hereinafter called “the Contract Price”)

NOW THEREFORE, IT IS HEREBY AGREED BY AND BETWEEN THE KSCCL AND THE SUCCESSFUL  
BIDDER AS FOLLOWS:

1. In this agreement words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This agreement shall prevail over all other contract documents-

Appendix A: RFP including addendum, corrigendum and Prebid replies

Appendix B: Special or Particular Conditions of Contract

Appendix C: General Conditions of Contract

Appendix D: Letter of Intent from Authority and Letter of Acceptance

Appendix E: Bidders Technical Bid

Appendix F: Price Bid – Forms

Appendix G: Form of Performance Bank Guarantee, if applicable

In the event of any ambiguity or conflict between the Contract Documents listed in Section 2 of this Contract form, the order of precedence shall be the order in which the Contract Documents are listed in Section 2 of this Contract Form. However with in the Appendix A, the order of precedence will be Addendum, corrigendum and Prebid replies, BOQ and Drawings, RFP Volume.

3. The Successful bidder shall be bound by the details furnished by him/her to the KSCCL while submitting the tender or at subsequent stage. Upon selection of the successful bidder, if at any stage, the document furnished by him/her is found to be false or the quality of the work/ services or rate are found of poor quality or different specifications, it would be deemed to be a breach of terms of contract, the contract shall be cancelled and Performance Security shall be stand forfeited.
4. The rate quoted by the selected Successful bidder, and as approved by the KSCCL, shall remain valid throughout the period of contract and the request to increase the rates for any or all items, during the period of contract, shall not be entertained at any stage.
5. In considerations of the payments to be made by the KSCCL to the Successful bidder as hereinafter mentioned, the Successful bidder hereby covenants with the KSCCL to provide the goods and services and to remedy defects there in conformity in all respects with the provisions of the contract.
6. The KSCCL hereby covenants to pay the Successful bidder in consideration of the provision of the goods and services and the remedying of defects therein, the 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.
7. The Successful Bidder hereby agrees to deliver the works/ services as mentioned above within contract period of \_\_\_\_\_
8. That in the event of any dispute arising between the parties; the same shall be referred to the Adjudicator for reaching to a amicable solution. In case of failure to reach an agreement from Adjudicator shall be settled by arbitration.

**THIS AGREEMENT** will take effect from .....day of .....Two

Thousand Thirteen and shall be valid for three year.

**IN WITNESS WHEREOF**, both the parties KSCCL and the SUCCESSFUL BIDDER have entered, their respective common seals to be here unto affixed/ (or have unto set their respective hands and seals) into this Agreement as of \_\_\_\_\_ day of month \_\_\_\_\_ of 2017 here at Kakinada.

<p>For and on behalf of the 'Successful Bidder/ Contractor'</p> <p>Signature of the authorized officer</p> <p>Name of the Officer</p> <p>By the Said .....Names on behalf of the "Authorized Signatory, of the firm / company "</p> <p>In the presence of Witness:..... Name:..... Address:..... .....</p>	<p>For and on behalf of the "Managing Director, KSCCL"</p> <p>Signature of the authorized officer</p> <p>Name of the Officer</p> <p>By the Said .....Names on behalf of the "Managing Director, KSCCL"</p> <p>In the presence of Witness: ..... Name: ..... Address:..... .....</p>
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## b. Performance Bank Guarantee Format

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution.)

1. In consideration of the Kakinada Smart City Corporation Limited, (hereinafter called 'KSCCL') having agreed to           **M/s Firm name with address**           (hereinafter called the said 'Successful bidder(s)') from the demand, under the terms and conditions of Agreement No. \_\_\_\_\_ Dated \_\_\_\_\_ made between KSCCL and **M/s Firm name** for the **Name of work** (hereinafter called 'the said Agreement') of security deposit for the due fulfilment by the said Successful bidder(s) of the terms and conditions in the said Agreement on production of Bank Guarantee for Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ Only) we, **Bank name with address, (Indicate the name of Bank)** (hereinafter referred to as 'the bank') at the request of **M/s Firm name**, Successful bidder(s) do hereby undertake to pay to the Council an amount not exceeding of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ Only) on demand by KSCCL.
2. We, Bank name, do hereby undertake to pay the amount due and payable under this guarantee without any demur, merely on a demand from the KSCCL stating that the amount claimed is required to meet the recoveries due or likely to be due from the said Successful bidder(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ Only).
3. We undertake to pay to the KSCCL any money so demanded notwithstanding any dispute or disputes raised by the Successful bidder(s) in any suit or proceedings pending before any court or Tribunal relating thereto, our liability under this present being, absolute and unequivocal. The payment so made by us under this bond shall be valid discharge of our liability for payment hereunder and the Successful bidder(s) shall have no claim against us for making such payment.
4. We, Bank name with address, further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the KSCCL under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till person-in-charge on behalf of the Council certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Successful bidder(s) and accordingly discharges this guarantee, or till 5 year & 6 months from the date of submission of bid whichever is earlier.

5. We, Bank name with address, further agree with the KSCCL that the Council shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said Agreement or the extend time of performance by the said Successful bidder(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Council against the said Successful bidder(s) / Suppliers and to forebear or enforce any of terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Successful bidder(s) / Suppliers or for any forbearance, act or omission on the part of the KSCCL or any indulgence by the KSCCL to the said Successful bidder(s) / Suppliers or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This guarantee will not be discharged due to change in the constitution of the bank or the Successful bidder(s).
7. We, Bank name with address, lastly undertake not to revoke this guarantee except with the previous consent of the KSCCL in writing.
8. This Guarantee shall be valid up to \_\_\_\_\_ unless extended on demand to be made by the KSCCL. Notwithstanding anything mentioned above, Our liability against this guarantee is restricted to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ Only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee, all our liabilities under this guarantee, shall stand discharged.

Dated the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_

For \_\_\_\_\_

(Indicate name of Bank)