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Office of the Commissioner

(26)

Solapur Municipal Corporation,
'Indrabhavan', Railway Lines, Solapur - 413 001
Tel. : (0217) (O.) : 2740300, (R) : 2740301
(Fax) : 2740306 Email : smccommissioner@yahoo.com

To,

Date :

सार्व. आरोग्य अभियंता
जावक क्र./सा.आ.वि./ज.नी. /711
दिनांक 30/10/2017

1) Das Offshore Engineering Pvt. Ltd, Navi Mumbai.
2) Deepika Infratech, Bengaluru
3) VA Tech Wabag, Pune
4) HNBEPL, Pune
5) Laxmi Construction, Ahmedabad
6) Enviro Infra Engineers Pvt. Ltd., Delhi
7) Gondwana Engineers Limited, Nagpur

Subject - **Solapur City Underground Sewerage Scheme under AMRUT**

Minutes of Pre bid Meeting held on 26/10/2017 @ 12:30 PM

Reference - Pre Bid Meeting held on 26/10/2017 @ 12:30 PM

With respect to above subject the pre-bid meeting for Solapur City Underground Sewerage Scheme was held on 26/10/2017 @ 12:30 PM at this office.

In this meeting various queries raised by respective bidders were discussed. The Minutes of Pre bid Meeting held on 26/10/2017 is attached herewith. These replies to queries will be part and parcel of this tender document. So, bidders have to quote accordingly.

This is for your information and further necessary action.

DA - Pre Bid MoM

Dr. Avinash Dhakne (IAS)
Commissioner

Copy - 1) Superintending Engineer, MJP Circle, Sangli.
2) Executive Engineer, MJP Division, Solapur.

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(2e)

SOLAPUR MUNICIPAL CORPORATION

PUBLIC HEALTH ENGINEER

SOLAPUR CITY UNDERGROUND SEWERAGE SCHEME UNDER AMRUT

Minutes of Pre-Bid Meeting held on 26/10/2017 @ 12:30 PM

Solapur Municipal Corporation, Solapur has invited e-tender for Solapur City Underground Sewerage Scheme Under AMRUT from Dated 16/10/2017. The pre bid meeting for the same is arranged on 26/10/2017 @ 12:30 PM at Office of Commissioner, Solapur Municipal Corporation, Solapur.

For this pre bid meeting following officers, bidders or its representatives are present:

1. Dr. Avinash Dhakne - Commissioner, Solapur Municipal Corporation.
2. Mr. Dulange G. M. - In. Public Health Engineer, Solapur Municipal Corporation.
3. Mr. Rathod V. B. - Deputy Engineer (Drainage), Solapur Municipal Corporation.
4. Mr. Siddral A. D. - Assistant Engineer (Drainage), Solapur Municipal Corporation.
5. Mr. Garande S. N. - Superintending Engineer, MJP Circle, Sangli.
6. Mr. Bhalerao M. S. - Executive Engineer, MJP Division, Solapur.
7. Mr. Koli D. H. - Asst. Executive Engineer, MJP Sub Division No. 1, Solapur.
8. Mr. Jadhav Sadguru - Unity Consultant Pvt. Ltd., Pune (Representative)
9. Mr. Inamdar Abhishek - Project Manager, Das offshore Engg. Pvt. Ltd
10. Mr. Basavaraj Y. - Director (Tech), Deepika Infratech
11. Mr. Chadda Vaneet - Marketing Manager, VA Tech Wabag
12. Mr. Bhat Aditya - Director, HNBEPL

In this pre bid meeting various pointes are raised by the participants were discussed. The details of reply to the queries raised by the participants are attached herewith. These replies to queries will be part and parcel of this tender document. So, bidders have to quote accordingly.

After the discussion Commissioner has declared that meeting is over and thanked all representatives.

Dr. Avinash Dhakne (IAS)

Commissioner

SOLAPUR MUNICIPAL CORPORATION

PUBLIC HEALTH ENGINEER

SOLAPUR CITY UNDERGROUND SEWERAGE SCHEME UNDER AMRUT

REPLY TO PRE BID QUERIES

S. N.	Reference	Description as per Tender	Query	Clarification
A) VA TECH WABAG LIMITED, PUNE				
1	DETAILED e-TENDER NOTICE/Point 6/Prequalification Criteria /Page No 15	a) The Bidder shall have the experience of Providing, constructing, commissioning successfully a Sewage Treatment Plant (STP) of Capacity 10 MLD of the Moving Media Bio Reactor (MMBR)/Sequential Batch Reactor (SBR). This STP should be in operation for minimum one year, giving satisfactory results (Quality of effluent shall be as required in Tender)	Since the outlet parameters mentioned in the tender document matches the draft notification released in November 2015, which is not yet approved. For getting a healthy completion we request you to relax the norms as per the latest MOEF Notification Dt. 13th October 2017.	Outlet Parameters of Treated Sewage must be as per Maharashtra Pollution Control Board norms (As per attachment page no.1)
2	DETAILED e-TENDER NOTICE/Point 6/Prequalification Criteria /Page No 15	b) Bidder should tie-up with a Technology provider for Sequential Batch Reactor and shall submit Technology Tie-up/ Consent Agreement as part of their bid. The technology provider shall have experience of providing Moving Media Bio Reactor(MMBR)/SBR for at least three STPs each of 10 MLD in India for any State/ Central Government Departments/ Organizations/ ULBs which are working satisfactorily for at least three years as on date of calling of Tender and achieving the outlet parameters as mentioned in the Tender. Performance Certificate for each work should be issued by the end user, duly certified By an officer not below the rank of	With reference to the said clause we would like to point out that the bidder has to Tie Up with a Technology Partner who has experience of providing proven technology for Sewage treatment Plant. This would not only increase the overall cost of the project but will also be unfair to Bidders who has already having Turnkey experience for bigger and complex STPs by their own. In view of this the said clause may be read as below Bidder on his own or with a technology provider shall satisfy experience of providing Cyclic Activated Sludge/Sequential Batch Reactor (SBR)/Other proven technology proposed for at least one STP of 50% required capacity in India or overseas for any State/Central Government	As per NIT The technology proposed i.e MMBR / SBR is now relaxed. Bidder may propose STP on any proven Technology which should achieve norms given by MPCB. The technology provider shall have experience of providing Moving Media Bio Reactor(MMBR)/SBR for at least three STPs each of 10 MLD in India for any State/ Central Government Departments/ Organizations/ ULBs which are working satisfactorily for at least three years as on date of calling of Tender and achieving the outlet parameters as mentioned in the Tender. Performance Certificate for each work should be issued by the end user, duly certified By an officer not below the rank of Executive

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S. N.	Reference	Description as per Tender	Query	Clarification
		Executive Engineer should be enclosed.	Departments/Organizations /ULB's which are working satisfactorily for at least one year as on date of calling of tender and achieving the outlet parameters **BOD ≤10, TSS ≤10 TN ≤ 10 or as per the latest MOEF Notification dt.: 13th October 2017.**Performance Certificate for each work should be issued by the end user, duly certified by an officer not below the rank of Executive Engineer or similar competent authority should be enclosed. In case of a technology provider satisfying the experience bidder shall submit Technology Tie-up Agreement as a part of their bid.	Engineer should be enclosed.
3	DETAILED e-TENDER NOTICE/General scope (zone IX)/Point 2/Page No 401	A) The average flow over a day in the year ...2035... will be ...20.0... MLD. The Inlet structure, stilling chamber along with screens shall be designed & constructed for this capacity.	We understand that Plant shall receive flow of 20 MLD by 2035 only. Please confirm the average flow after commissioning. Also we recommend modular treatment plant which could be expandable as and when required.	As per NIT.
4	Page 49 – Statutory Increase In Duties, Taxes Etc	Any increase in tax rates till completion of work shall be fully borne by theContractor and shall not be reimbursed to him on any account.	We request the Client to pay the Contractor for any new taxes or change statutory laws or existing taxes at actual, as the Contractor shall not be able to foresee the tax changes imposed by the government over the contract period	Any increase or decrease in Taxation Policy, if any in future, the same will be considered for tender work as per prevailing Govt. norms.
5	Page 50–	70 Mobilization Advance will not be granted.	We request Client to consider provision of Interest free advance.	As per NIT

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Reference	Description as per Tender	Query	Clarification
Page 50 PRICE VARIATION – AUTHORITY:	Price variation is not applicable to this tender.	Material and labor prices are bound to vary and this would be beyond our control throughout the contract period. Hence, we request you to consider a price adjustment clause as per a formula factoring in the material and labor indices.	As per NIT
Page 402 &405	Operation Maintatinance period mentioned for Zone IX and X are different	Kindly confirm the exact.	O & M periods - are one year for DLP (Trial run) followed by two year for O & M Bidder to Quote accordingly
68.NO INTEREST ON DUES:	No interest shall be payable by the Corporation on amounts, due to contractors pending final settlement of claim. Further, no interest shall be payable by Corporation/Council on any amount/payment.	We request the employer to provide interest @ 18% p.a for delay in payment beyond certification by Client's representative.	As Per NIT

NB ENGINEERS PVT. LTD , PUNE

144	Quality of Outgoing Sewage	The quality of outgoing sewage in tender can be further improved by having BOD≤ 5 mg/l and TSS ≤ 10mg/l. This would ensure better treated effluent from Sewage Treatment Plants and would improve the quality of water bodies in which treated sewage would be let off. Please confirm.	Clarification as per Sr. No.1
General	BNR Removal from MMBR	Please elaborate the expected BNR Removal Process in MMBR based STP envisioned by department.	Clarification as per Sr. No. 2
General	Scope of Work	The scope of work for this tender includes Sewage Treatment as well as laying of sewer pipelines in various zones within Solapur Municipal Corporation. Looking at the vast expanse of Solapur city and different skill-sets required for the sewer network and STP, it is requested to float two separate tenders for the same. This would	As per NIT

S. N.	Reference	Description as per Tender	Query	Clarification
			also increase competition in the bidding process and fetch more competitive rates for SMC.	
12	P-9	Bidders should submit Tender Fee & EMD through online e-payment mode only.	As EMD is a large amount i.e. Rs. 87,19,230/- and by making e-payment this will block bidders fund and will affect on cash flow of Bidder. We request EMD shall be accepted in BG form in addition to e-Payment. Please confirm.	As per NIT
13	P-15	Bidder should tie-up with a Technology provider for Sequential Batch Reactor and shall submit Technology Tie-up/ Consent Agreement as part of their bid.	Since Technology Provider Tie-up is requested for SBR Technology and format mentions CASP/SBR Technology, it is presumed that SBR technology based Sewage Treatment Plant may be offered by bidder. Please confirm.	Clarification as per Sr. no. 2
14	P-15	Bidder should tie-up with a Technology provider for Sequential Batch Reactor and shall submit Technology Tie-up/ Consent Agreement as part of their bid.	If bidder is himself a technology provider and has the required experience mentioned for Technology provider in the tender, please confirm that no separate technology tie-up agreement of bidder with himself would be required.	As per NIT.
15	General	General	If Bidder provides his own Technology Bidder shall be at liberty to modify and alter the specifications. Particularly pertaining to SBR and related units the Bidder shall be able to modify cycles, decanter, diffuser, unit sizing etc. the bidders design shall however confirm to CPHEEO manual and Metcalf & Eddy Fourth edition. The Bidders STP shall also be automotive to facilitate trouble free operation. More ever Bidder shall guarantee outlet quality and shall adhere to Tender requirements for defect liability period.	If Bidder provides his own technology Bidder shall be at liberty to modify and alter the specification for his offered proven technology as per CPHEEO manual subject to smooth and trouble free operation and automation through PLC / SCADA. Bidder must adhere to outlet parameters as per MPCB norms (Sr.No.1), but without any extra cost.

S. N.	Reference	Description as per Tender	Query	Clarification
16		General	We request you to ensure that payment of bills is made within 21 days of submission of bills to SMC. In case of delay, a certain interest rate on delayed portion of payment may kindly be paid by SMC to contractor. Please confirm.	As per NIT
17		General	For land that is not in possession of SMC, countdown for the period of completion may be started after handing over of piece of land by SMC to contractor. Please confirm.	Required land for STP will be made available by Solapur Municipal Corporation for work.
18		General	After completion of STP/Pumping station, there is a possibility that sewage and/or electricity would not be available for operating the STP. Please confirm that bidder would not be held responsible for delay in providing sewage and/or electricity for operating Sewage Treatment Plant/Pumping Station.	Accepted.
19	P-18	**Collaboration & Joint Venture:** Regarding Joint Venture.	Please confirm whether in case of Joint Venture, Joint Venture Partners would be Jointly and Severally Responsible to SMC/Department.	As per NIT
20	P-18	**Collaboration & Joint Venture:** Contractor with whom above collaboration is done shall be responsible for successful completion of the works. However it will be the responsibility of the principal contractor to get the work done.	Please confirm that in case of Collaboration, Collaborator will have agreement with Principal Contractor for only limited portion of work. However, Principal Contractor alone would be responsible to SMC/Department for completion of entire work put to tender. In other words, Principal Contractor would be solely responsible financially and technically to SMC/Department. Please confirm.	As per NIT
21	P-50	PRICE VARIATION – AUTHORITY Price variation is not applicable to this tender	There may be a delay in handing over of plot of land for STP. Prices of construction material are expected to increase during this period. In view of the same, we request to apply standard Price variation clause to avoid speculation in price to be quoted. Please confirm.	As per NIT

S. N.	Reference	Description as per Tender	Query	Clarification
22	P-50	**Clause – 70: Mobilization advance shall not granted**	Looking to the quantum of work, we request interest free Mobilization advance shall be paid. This will help to maintain good progress of work and cash flow within stipulated. Please confirm. Time frame.	As per NIT
23	P-119	**General Scope of work**	As per tender STP are proposed on MBBR Technology. But as per MOUD circular (Copy Enclosed) STP tenders are to be invited on Open technology on Tendering Stage. Insisting on particular technology would restrict competition and result in greater financial implication to Corporation. It is requested to allow construction of STP on any successfully running technology in India of same capacity as per this tender for a period of 1 year.	Condition relaxed but without any extra cost. Please refer Sr. No. 1 & 2
24		Vendor List :- Approved Vendors / Makes	There are better makes / vendor / manufacturers are available in the market than specified in the 'Approved Vendor list' for few of the equipments. Kindly confirm bidder can procure the same upon appropriate presentation to client, since bidder has to operate and maintain the facilities also and adhere to Defect Liability Period.	Accepted. However Machineries must comply with either BIS / CE / ASTM etc norms or must have at least 3 operational successful installations in India.
25		Date of Submission	Looking to the volume of work involved in tender preparation, We request to extend the date of submission at least by 3-4 weeks after receipt of reply to pre bid queries	As per NIT
26		DLP for STP is 12 Months	We understand that DLP is inclusive of O&M period of 1 Year. Please confirm	Clarification as per Sr. No. - 7
27	P-402	Contradictory in O & M period of STP	Please confirm O &M period is one Year or 5 Years for STP?	Clarification as per Sr. No. - 7
28	General	General	Please confirm that equipment makes and technology for this tender would be kept OPEN.	Accepted. However Machineries must comply with either BIS / CE / ASTM etc norms or must have at least 3 successful installations in India.

S. N.	Reference	Description as per Tender	Query	Clarification
C) DAS Offshore Engineering Private Limited				
29			10% Mobilization advance without any interest	As per NIT
30			Release of RA Bills within 21 days from submission of bill by contractor for smooth progress of work	As per NIT
31			Funds Available with SMC i.e. Fund structure	Funds are available with SMC.
32			Structure of Taxes deduction for RA Bills	Clarification as per Sr. No. 4
33			Price variation should be considered as the working period is 24 months	As per NIT
34			85% amount of supplied item should be paid to the contractor on receipt of material after satisfactory third party inspection and balance should be given after satisfactory hydraulic testing.	As per NIT
35			It is not possible in small galli to construct the same size of manhole ,so need to reduce the size of property manhole in small galli.	As per NIT
36			50% payment should be released after refilling before hydraulic testing and balance 50% payment against refilling should be given after satisfactory hydraulic testing for smooth cash flow of contractor	As per NIT
37			Rate change should be applicable if the quantity of work done/to be executed will be more than 15% of the tendered quantity.	As per NIT
38			Who's is responsible authority if levels are changed in working survey for trunk line.	Contractor should confirm the levels before execution of work in consultation with SMC / MJP

S. N.	Reference	Description as per Tender	Query	Clarification
39			Partial Handing over of work done in all respect should be done by zone wise and defect liability period should be considered immediately for the same work done.	As per NIT
40			Open Space shall be given by SMC for office and storage of material of successful bidder as per requirement in all zones with prior request on free of cost as the work period is of 24 Months	As per NIT
41			Time required for acquisition of land/fund/road crossing/highways crossing/traffic police permission work hampered due to local issues & Alignment should be considered for time extension.	Accepted
42			Please make availability of river sand from mining department of Solapur during closing of river sand period.	SMC will issue letter as required to Hon Collector to allow Stocking of river sand for purpose of this project.
43			It is not possible to dispose the material within 2 km distance so, need to increase distance with rate.	As per NIT
44			STP land acquisition is completed or not.	Required land for STP will be made available by Solapur Municipal Corporation for work.
45			Tender P.G. No.56 shows rates are inclusive of all taxes but in BOQ it shows without taxes.	In BOQ column no. 53 must read as **TOTAL AMOUNT With all applicable Taxes**
46			Kindly allowed SBR technology for STP instead of MMBR Technology.	Clarification as per sr. no. 1
47			In slum area or small gullies please allow SW or other respective pipes for smooth work.	As per NIT

S. N.	Reference	Description as per Tender	Query	Clarification
48			Requesting to allow fly ash bricks if in shortage of burnt bricks also allow optional for construction of MH if river sand is not available.	As per NIT
49			Requesting to consider Dewatering Item is in BHP per hr.	As per NIT
50			Alone The principal Contractor shall be ultimately responsible for completion of entire work. Contractor with whom above collaboration is done shall be responsible for successful completion of the works. However it will be the responsibility of the principal contractor to get the work done.	As per NIT

S. N.	Reference	Description as per Tender	Query	Clarification
D) Laxmi Construction				
51	QUALITY OF INCOMING SEWAGE Page no 143 BOQ Sub work No.1 D Item No 175, 376	**Sr. No. / Parameters / Values / UOM** 1 pH 7.56 2 Biochemical Oxygen Demand (BOD5) 310 mg/l 3 Chemical Oxygen Demand (COD) 460 mg/l 4 Oil and Grease 18 mg/l 5 Total Suspended Solids (TSS) 68 mg/l 6 Ammonical nitrogen 8.6 mg/l 7 Nitrate Nitrogen 12 mg/l 8 Total Phosphorus 1.08 mg/l **Parameters / Values / UOM** pH 7.56 Total Suspended Solids (TSS) 210 mg/l Biochemical Oxygen Demand (BOD5) 170 mg/l Oil and Grease 30 mg/l Chemical Oxygen Demand (COD) 340 mg/l MPN 106-107 per 100 ml	There is discrepancy in the inlet parameters given at two different locations. Also value of TKN is not given. We understand that bidder shall design the STP as per inlet parameters given in latest CPHEEO manual page no 5-7, table no 5.4. as mentioned below. **Item / Concentration / Unit** Biochemical Oxygen Demand (BOD5) 250 mg/L Chemical Oxygen Demand (COD) 425 mg/L Total Suspended Solids (TSS) 375 mg/L Total Kjeldahl Nitrogen 45 mg/L Total Phosphorus 7.1 mg/L Kindly confirm.	Quality parameters of incoming sewage **Sr. No / Parameters / Values / Design Value / UOM** 1 pH 7.56 6.8 2 Biochemical Oxygen Demand (BOD5) 310 310 mg/l 3 Chemical Oxygen Demand (COD) 460 460 mg/l 4 Oil and Grease 18 30 mg/l 5 Total Suspended Solids (TSS) 68 350 mg/l 6 Ammonical nitrogen 8.6 10 mg/l 7 Nitrate Nitrogen 12 12 mg/l 8 Total Phosphorus 1.08 1.08 mg/l **Contractor must verify its quality on its own without any challenge to the department and any liability to the department**

<table>
<tr><th>S. N.</th><th>Reference</th><th>Description as per Tender</th><th>Query</th><th>Clarification</th></tr>
<tr><td>52</td><td>QUALITY OF OUTGOING SEWAGE Page no 144</td><td>
<table>
<tr><th>Sr. No.</th><th>Parameters / Pollutants</th><th></th><th>Values after treatment</th></tr>
<tr><td>1</td><td>pH</td><td>:</td><td>6.5 to 8.5</td></tr>
<tr><td>2</td><td>Biochemical Oxygen Demand (BOD5)</td><td>:</td><td>≤ 10 mg/l</td></tr>
<tr><td>3</td><td>Chemical Oxygen Demand (COD)</td><td>:</td><td>≤ 50 mg/l</td></tr>
<tr><td>4</td><td>Total Suspended Solids (TSS)</td><td>:</td><td>≤ 30 mg/l</td></tr>
<tr><td>5</td><td>Total Phosphorous (TP)</td><td>:</td><td>≤ 2 mg/l</td></tr>
<tr><td>6</td><td>Total Nitrogen (TN)</td><td>:</td><td>≤ 10 mg/l</td></tr>
<tr><td>7</td><td>Ammonical Nitrogen (NH3-N)</td><td>:</td><td>≤ 2 mg/l</td></tr>
<tr><td>8</td><td>Fecal Coliform</td><td>:</td><td>≤ 230 MPN/100 ml</td></tr>
</table>
<table>
<tr><th>Parameters</th><th>Values</th><th>UOM</th></tr>
<tr><td>pH</td><td>6.5-8.5</td><td></td></tr>
<tr><td>Total Suspended Solids (TSS)</td><td>30</td><td>mg/l</td></tr>
<tr><td>Biochemical Oxygen Demand (BOD5)</td><td>< 10</td><td>mg/l</td></tr>
<tr><td>Oil and Grease</td><td>< 10</td><td>mg/l</td></tr>
<tr><td>Chemical Oxygen Demand (COD)</td><td>< 50</td><td>mg/l</td></tr>
<tr><td>MPN</td><td>1000</td><td>per 100 ml</td></tr>
</table>
</td><td>There is discrepancy in the outlet quality of the treated sewage given at two different locations.

The effluent standard given for TSS is not as per outlet standard requirement as per latest CPCB directives.

Therefore, we request you to follow the outlet standard requirement as per latest CPCB directives i.e.
<table>
<tr><th>Parameter</th><th>Units</th><th>Raw Sewage</th></tr>
<tr><td>pH</td><td></td><td>6.5 – 9.0</td></tr>
<tr><td>BOD5 at 20o C</td><td>mg/L</td><td>< 10</td></tr>
<tr><td>COD</td><td>mg/L</td><td>< 50</td></tr>
<tr><td>TSS</td><td>mg/L</td><td>< 10</td></tr>
<tr><td>NH4-N</td><td>mg/L</td><td>< 5</td></tr>
<tr><td>Total Nitrogen</td><td>mg/L</td><td>< 10</td></tr>
<tr><td>PO4-P</td><td>mg/L</td><td>< 2</td></tr>
<tr><td>Coliform Bacteria</td><td>MPN/100mL</td><td>< 230</td></tr>
</table>
Kindly Confirm.</td><td>Clarification as per sr. no. 1</td></tr>
<tr><td>53</td><td>General Scope:- (Zone IX) Page no 401

2. General Scope:- (Zone ...X...) Page no 403</td><td>4. The Raw Sewage shall be provided at R L(458.25 m above MSL) STP 20.0 MLD and up to the Inlet Chamber / Stilling Chamber of STP from where the contractor's scope of work will start.

4. The Raw Sewage shall be provided at RL (...456.53 m for STP 15.5 MLD ...m above MSL) up to the Inlet Chamber / Stilling Chamber of STP from where the</td><td>There is discrepancy in the levels given at different locations in the tender. Kindly recheck and reconfirm the values.</td><td>Clarification as per Sr No.38</td></tr>
</table>

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S. N.	Reference	Description as per Tender	Query	Clarification
	Battery Limits, Interfaces and Terminal Points Page no 422	contractor's scope of work will start. Treated Sewage : Outlet of Chlorine contact tank at RL570.95 and 575.097respectively for STP Dist.I and for STP for Dist.3.		
54	General Scope:- (Zone IX) Page no 401 2. General Scope:- (Zone ...X...) Page no 403	5.0 At the end of the system, the final effluent shall be discharged into a treated Sewage Chamber at a head of not less than 3.00 m from Natural Ground Level (The Natural Ground Level shall be considered as 460.0 m above MSL). The FSL at CCT betaken .....and the FSL at the stilling chamber as..... 5. At the end of the system, the final effluent shall be discharged into a treated Sewage Chamber at a head of not less than 3.00 m from Natural Ground Level (The Natural Ground Level shall be considered as ...460.0.....m above MSL) .The FSL at CCT be taken .....and the FSL at the stilling chamber as ..... 3.5 The level in the Chlorine Contact Tank Shall be minimum 3.0 m above NGL.	If we consider the level in the CCT minimum 3.0 m above NGL then all the treatment units prior to CCT will raise above NGL. Which will unnecessarily increase overall civil cost of the project. So kindly recheck and reconfirm.	Bidder should discharge the treated sewage above HFL of nearly Nalla
55	1.2 Sewage Treatment Plant (STP) Page no 407	4. Measuring Parshall flume.	We understand that Parshall flume is not mandatory and bidder shall provide online flow measurement using an ultrasonic flow meter on the rising main.	Accepted but without any extra cost.
56	1.2 Sewage Treatment Plant (STP) Page no 407	11. Sludge Thickener	We understand that, Sludge Thickener is not mandatory. Kindly Confirm.	Clarification as per sr. no. 2

S. N.	Reference	Description as per Tender	Query	Clarification
E) Enviro Infra Engineers Pvt. Ltd. Delhi.				
57			We humbly request you to float 2 separate tenders for Sewer network and STP on open technology.	As Per NIT
F) GONDWANA ENGINEERS LIMITED, NAGPUR				
58			1. Having substantial experience in this field, we feel that separate tenders for two components (Sewage network and Sewage Treatment Plant) is beneficial. 2. The technology for STP may please be considered SBR technology having successfully implemented in India in place of MMBR which is having very less exposure.	As Per NIT Clarification as per Sr. no.1 and Sr. No.2
G) Departmental Points				
59	Sr. No. in BOQ 810	Item No.7: Providing and casting in situ C.C. of trap / granite/ quartzite / gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineer-in-charge including normal dewatering, centering, form work, compaction, finishing the formed surfaces with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface wherever necessary or roughening if special finish is to be provided and curing, etc. complete. (By weigh batching and mix design for M- 250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) For	-	**Read as-** Item No.7: Providing and casting in situ C.C. of trap / granite/ quartzite / gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineer-in-charge including normal dewatering, centering, form work, compaction, finishing the formed surfaces with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface wherever necessary or roughening if special finish is to be provided and curing, etc. complete. (By weigh batching and mix design for M- 250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) For **RCC M-300 grade - For walls**

S. N.	Reference	Description as per Tender	Query	Clarification
60	Sr. No. in BOQ 811	RCC M-300 grade - For walls	-	**Read as-** Item No.8: Providing and fixing in position steel bar reinforcement of various diameters for RCC pipes, caps, footings, foundation, slabs, beams, columns, canopies, staircases. newels, chajjas, lintels, pardies, copings, fins, arches, etc. as per detailed designs, drawings and schedules; including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required, etc. complete. (including cost of binding wire) Corrosion resistant steel Fe500
61	Sr. No. in BOQ 812	Item No.8: Providing and fixing in position steel bar reinforcement of various diameters for RCC pipes, caps, footings, foundation, slabs, beams, columns, canopies, staircases. newels, chajjas, lintels, pardies, copings, fins, arches, etc. as per detailed designs, drawings and schedules; including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required, etc. complete. (including cost of binding wire) Corrosion resistant steel Fe500 Dewatering the excavated trenches and pools of water in the building trenches / pipeline trenches, well works by using pumps and other devices including disposing off water to safe distance as directed by Engineer-incharge (including cost of machinery, labour, fuel), etc. complete. Note: Payment will be released according to proportionate progress of work as directed by engineer-in-charge. (i) The Contractor at his request may be allowed to start construction of masonry steining so as not to allow silting of well in oncoming monsoon and while paying	-	**Read as-** Item No.8a: Dewatering the excavated trenches and pools of water in the building trenches / pipeline trenches, well works by using pumps and other devices including disposing off water to safe distance as directed by Engineer-incharge (including cost of machinery, labour, fuel), etc. complete. Note: Payment will be released according to proportionate progress of work as directed by engineer-in-charge. (i) The Contractor at his request may be allowed to start construction of masonry steining so as not to allow silting of well in oncoming monsoon and while paying masonry, 25% amount shall be withheld and released only when excavation to the full depth is completed. (ii) Dewatering : Note: Payment will be released according to proportionate progress of work as directed by engineer-in-charge.

S. N.	Reference	Description as per Tender	Query	Clarification
		masonry, 25% amount shall be withheld and released only when excavation to the full depth is completed. (ii) Dewatering : Note: Payment will be released according to proportionate progress of work as directed by engineer-in-charge.Payment		
62	Sr. No. in BOQ 828	Item No.7: Providing and casting in situ C.C. of trap / granite/ quartzite / gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineer-in-charge including normal dewatering, centering, form work, compaction, finishing the formed surfaces with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface wherever necessary or roughening if special finish is to be provided and curing, etc. complete. (By weigh batching and mix design for M- 250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) For	-	**Read as-** Item No.7: Providing and casting in situ C.C. of trap / granite/ quartzite / gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineer-in-charge including normal dewatering, centering, form work, compaction, finishing the formed surfaces with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface wherever necessary or roughening if special finish is to be provided and curing, etc. complete. (By weigh batching and mix design for M- 250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) For **RCC M-300 grade - For walls**
63	Sr. No. in BOQ 829	RCC M-300 grade - For walls	-	**Read as-** Item No.8: Providing and fixing in position steel bar reinforcement of various diameters for RCC pipes, caps, footings, foundation, slabs, beams, columns, canopies, staircases. newels, chajjas, lintels, pardies, copings, fins, arches, etc. as per detailed designs, drawings and schedules; including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required, etc. complete. (including cost of binding wire) Corrosion resistant steel Fe500

S. N.	Reference	Description as per Tender	Query	Clarification
64	Sr. No. in BOQ 830	Item No.8: Providing and fixing in position steel bar reinforcement of various diameters for RCC pipes, caps, footings, foundation, slabs, beams, columns, canopies, staircases. newels, chajjas, lintels, pardies, copings, fins, arches, etc. as per detailed designs, drawings and schedules; including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required, etc. complete. (including cost of binding wire) Corrosion resistant steel Fe500 Dewatering the excavated trenches and pools of water in the building trenches / pipeline trenches, well works by using pumps and other devices including disposing off water to safe distance as directed by Engineer-incharge (including cost of machinery, labour, fuel), etc. complete. Note: Payment will be released according to proportionate progress of work as directed by engineer-in-charge. (i) The Contractor at his request may be allowed to start construction of masonry steining so as not to allow silting of well in oncoming monson and while paying masonry, 25% amount shall be withheld and released only when excavation to the full depth is completed. (ii) Dewatering : Note: Payment will be released according to proportionate progress of work as directed by engineer-in-charge.Payment	-	**Read as-** Item No.8a: Dewatering the excavated trenches and pools of water in the building trenches / pipeline trenches, well works by using pumps and other devices including disposing off water to safe distance as directed by Engineer-incharge (including cost of machinery, labour, fuel), etc. complete. Note: Payment will be released according to proportionate progress of work as directed by engineer-in-charge. (i) The Contractor at his request may be allowed to start construction of masonry steining so as not to allow silting of well in oncoming monsoon and while paying masonry, 25% amount shall be withheld and released only when excavation to the full depth is completed. (ii) Dewatering : Note: Payment will be released according to proportionate progress of work as directed by engineer-in-charge.
65	Sr. No. in BOQ 846	Item No.7: Providing and casting in situ C.C. of trap / granite/ quartzite / gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineer-in-charge including normal dewatering, centering,	-	**Read as-** Item No.7: Providing and casting in situ C.C. of trap / granite/ quartzite / gneiss metal of approved quality for RCC works as per detailed drawings and designs or as directed by Engineer-in-charge including

S. N.	Reference	Description as per Tender	Query	Clarification
		form work, compaction, finishing the formed surfaces with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface wherever necessary or roughening if special finish is to be provided and curing, etc. complete. (By weigh batching and mix design for M- 250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) For		normal dewatering, centering, form work, compaction, finishing the formed surfaces with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface wherever necessary or roughening if special finish is to be provided and curing, etc. complete. (By weigh batching and mix design for M- 250 and M-300 only. Use of L&T, A.C.C., Ambuja, Birla Gold, Manikgad, Rajashree, etc. cement is permitted.) (Excluding M.S. or Tor reinforcement) For **RCC M-300 grade - For walls**
66	Sr. No. in BOQ 847	RCC M-300 grade - For walls		**Read as-** Item No.8: Providing and fixing in position steel bar reinforcement of various diameters for RCC pipes, caps, footings, foundation, slabs, beams, columns, canopies, staircases. newels, chajjas, lintels, pardies, copings, fins, arches, etc. as per detailed designs, drawings and schedules; including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required, etc. complete. (including cost of binding wire) Corrosion resistant steel Fe500
67	Sr. No. in BOQ 848	Item No.8: Providing and fixing in position steel bar reinforcement of various diameters for RCC pipes, caps, footings, foundation, slabs, beams, columns, canopies, staircases. newels, chajjas, lintels, pardies, copings, fins, arches, etc. as per detailed designs, drawings and schedules; including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required, etc. complete. (including cost of binding wire) Corrosion resistant steel Fe500 Dewatering the excavated trenches and		**Read as-** Item No.8a: Dewatering the excavated trenches and pools of water in the building trenches / pipeline trenches, well works by using pumps and other devices including disposing off water to safe distance as directed by Engineer-incharge (including cost of machinery, labour, fuel), etc. complete. Note: Payment will be released according to proportionate progress of work as directed by engineer-in-charge. (i) The Contractor at his request may be allowed to start construction of masonry

S. N.	Reference	Description as per Tender	Query	Clarification
		pools of water in the building trenches / pipeline trenches, well works by using pumps and other devices including disposing off water to safe distance as directed by Engineer-incharge (including cost of machinery, labour, fuel), etc. complete. Note: Payment will be released according to proportionate progress of work as directed by engineer-in-charge. (i) The Contractor at his request may be allowed to start construction of masonry steining so as not to allow silting of well in oncoming monsoon and while paying masonry, 25% amount shall be withheld and released only when excavation to the full depth is completed. (ii) Dewatering : Note: Payment will be released according to proportionate progress of work as directed by engineer-in-charge.Payment		steining so as not to allow silting of well in oncoming monsoon and while paying masonry, 25% amount shall be withheld and released only when excavation to the full depth is completed. (ii) Dewatering : Note: Payment will be released according to proportionate progress of work as directed by engineer-in-charge.

Public Health Engineer
SMC Solapur

Executive Engineer
MJP. Div Solapur

Superintending Engineer
MJP,Circle,Sangli

Commissioner
SMC Solapur

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, the Sewage Treatment Plant (STP) with the design capacity are as under

Sr. No.	Name of STP	Quantity of effluent MLD
1.	Degaon STP	75.00
2.	Kumthe STP	12.5
3.	Pratap Nagar STP	15.00
	Total	102.50

B] The Applicant shall operate the Sewage treatment plant (STP) to treat the effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr. No.	Parameters	Standard prescribed by Board
	Compulsory Parameters	Limiting Concentration in mg/l, except for pH
1.	pH	6.5 to 9.0
3.	BOD (3 days 27°C)	Not to exceed 10
4.	COD, mg/l	Not to exceed 50
5.	TSS, mg/l	Not to exceed 10
6.	NH4-N, mg/l	Not to exceed 05
7.	N-total, mg/l	Not to exceed 10
8.	Fecal Colliform (MPN/ 100 ml)	Not to <230
9.	Floating matter	Nothing obnoxious or detrimental for use purpose
10.	Bioassay test on fish	90% survival of fish after first 96 hrs in 100% effluent.

* Above Parameters shall achieve standards within five years from the date of Notification.

C) The treated effluent shall be disposed

1) After proper disinfection on land for gardening, irrigation, road side plantation, curing water for construction, MSW facility for spraying purpose, and all other non potable, non tangible water uses. The remaining shall be discharge for gardening purpose
If the local body is admitting any effluent arising from the industries located in their jurisdiction, arrangement shall be made by the local body to see that such admittance :-

1. Will not cause the deterioration of sewers/ drains
2. Will not cause any toxicity either at treatment works of en route.
3. Will not cause harmful effect on people working at treatment work or en route.

The local body shall fully treat such industrial effluent to meet the above standards.

2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain

(EE)

MAHARASHTRA POLLUTION CONTROL BOARD
Tel: 24010453/24020781/24014701
FAX: 24024068 /24023515
Website: http://www.mpcb.gov.in
E-mail: jdwriter@mpcb.gov.in
Kalpataru Point, 2nd - 4th Floor,
Opp. Cine Planet Cinema,
Near Sion Circle, Sion (E)
Mumbai - 400 022

Date: 04/09/2017

Consent Order No: -format 1.0 BO/JD (WPC)/ UAN No: 016502, 16490, 16498/ CC/ -1709000105

To,
M/s. Solapur Municipal Corporation
Solapur, Dist: Solapur.

Sub: Consent to Establish and first Operate is granted under Red category for STP at Degaon – 75.00 MLD, Kumthe-12.5 MLD, Pratap Nagar for 15.00 MLD,

Ref: 1. Minutes of Consent Committee Meeting of 2017-18 held on 03.05.2017 & 12.07.2017

Your Application vide UAN No. 16490, 16498, 16502 dated: 24.11.2016

For: Grant of Consent to Establish and first Operate under Section 25 & 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II & III annexed to this order:

1. The Consent is granted for a period up to 31.12.2018

2. The Consent is granted for Collection, treatment and disposal of domestic effluent generated from your local body.

3. Conditions under Water (P &CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (MLD)	Standards to be achieved	Disposal
1.	Domestic effluent	102.50	As per schedule - I	Onland for gardening

4. Conditions under Air (P& CP) Act, 1981 for air emissions:

Sr. No.	Description of stack / source	Number of Stack	Standards to be achieved
-	-	-	-

5. Conditions under Hazardous & other Waste (M & T M) Rules, 2016 for treatment and disposal of hazardous waste:

Sr. No.	Type of Waste	Category	Quantity
Corporation shall not generate any kind of Hazardous waste			

6. Non Hazardous waste

Sr. No.	Type of Waste	Category	Quantity	UOM	Disposal
1.	ETP Sludge	--	2205	Kg/day	Used as manure