

**O/O THE EXECUTIVE ENGINEER PUBLIC HEALTH ENGG. DIVISION, FATEHABAD
(Registered)**

To

M/s Aparna Construction Company,
Kant Bhawan, Opp. DAV School for Boys, Mall Road,
Karnal - 132001 Haryana - India
Mob. No. 94160-30459

Memo No **Dated:-**

Subject: - Providing sewerage scheme & Construction of Sewage Treatment Plant for Bhuna Town of District Fatehabad "Designing, construction, erection, testing & commissioning of automatic & PLC controlled with SCADA 18.00 MLD Main Pumping Station, construction of automatic & PLC controlled with SCADA 8.00 MLD Sewage Treatment Plant based on Sequential Batch Reactor (SBR) Technology, including Laying, Jointing, Cutting & Testing of 450 mm dia D.I. Pipe Treated Effluent Rising Main and Pump Chamber Treated effluent. including, Staff Quarters, approach roads, Boundary wall, Landscaping, MCC Panel Room, CCTV Cameras, Transformer, DG Set & all other contingent Electrical, Mechanical, Piping & Instrumentation works at MPS & Sewage Treatment Plant including Operation & Maintenance for 12 months during defect liability period after trail run of 3 months and Six years thereafter at Bhuna Town of District Fatehabad
App. Cost Rs. 10,06,89,171/-

Ref: - Your Tender dated 17/11/2017.

Approval for and on the behalf of the Governor of Haryana to the acceptance of your Tender 62442 accorded by Engineer-in-Chief, Haryana, Public Health Engineering Department Panchkula vide letter No. 106178-79 PHED/Urban Dated 04/12/2017 received through Superintending Engineer, Public Health Engineering Circle, Sirsa vide Endst No. 11323-24 Dated 07/12/2017 which inter-alia contains following rates terms and conditions are hereby conveyed to you.

RATES: -

Sr. No	Description	Qty	Unit	Rate (in Rs)	Amount
A)	H.S.R Items	(-) 0.1% (Zero Point One Percent Below) Ceiling Rates Premia applicable w.e.f. 22/11/2011			
1	"Main Pumping Station" Design, construction, erection, testing and Commissioning of MPS and following Components including O & M for 6 Years including defect liability period :- (i) Panel room of 30 sq. mtr. Covered area and PLC room including toilet block of 20 sq. mtr. covered area with RCC framed structure of brick work vitrified glazed tiles flooring, powder coated aluminum frame of size 100mm x 45mm of 10 gauge for chowkhat, 75mm x 45mm of 10 gauge for door frame, 45mm x 45mm of 10 gauge for window frame with 5mm thick glass AIS/Saint Gobain/ Modi Float. The toilet block shall be with one half staff urinal & one European W/C, one wash hand basin as per approved drawings. (ii) RCC inlet chamber, screen chamber, rectangular collecting tank suitable for 8.00 MLD average flow with peak factor of 2.25, landscaping of the campus, providing and installing 1 No. of 572.92m ³ / hour, 2 No. of 229.16m ³ / hour and 2 No. of 115m ³ / hour at 15 mtr. head each with suitable LT Panel equipped with all safety devices, automatic capacitor bank and submersible cable from LT Panel to pump sets complete in all	1 Job	Job	1,10,00,000/- (Rs. One Crore and Ten lacs only)	1,10,00,000/- (Rs. One Crore and Ten lacs only)

<p>respects.</p> <p>(iii) K-9 D.I. Pipe of suitable dia at MPS including welding and screwing of Flanges. ISI Marked D.I. fittings, Sluice Valves, Non return valves as per requirement even for bye pass arrangement complete in all respects. Pipe from MPS to inlet channel of STP and for bye pass and from chlorination tank to nearby drain will be issued by department free of cost.</p> <p>(iv) 3 Nos. CI Gear Operated Sluice Gate with SS spindle (SS 410) and seats (SS 304) (2 Nos for Screens and 1 no. for partition of collecting tank) as per design. (v) Supply and installation of 2 Nos. mechanical coarse screens of minimum length 6 meters for 8.00 MLD average flow with peak factor of 2.25.</p> <p>Note: 1. The connecting sewer of same diameter and material of construction, laid at adequate depth between sewers to newly constructed structures is included in scope of work.</p> <p>2. All the infrastructure except construction of staff quarter, and path ways/ roads required to be executed at site to make the MPS functional is included in the scope of work of lump sum job.</p> <p>3. All the Pumping Machinery, Panel Board, Level Sensor etc shall be controlled by PLC & SCADA and shall be synchronized with the PLC panels at MPS & STP site through broadband internet facility. 4 The size and quantities of all the above components will be as per approved Structural/ Hydraulic/ Mechanical/ Electrical Design to be approved by Department before actual execution of work.</p>				
<p>2 SEWAGE TREATMENT PLANT "Design, construction, erection, testing & commissioning of 8.00 MLD capacity Sewage Treatment Plant based on Sequential Batch Reactor (SBR) Technology complete in all respect including disposal of treated effluent through D.I. Rising Main by mechanical fine screen Landscaping, MCC Panel Room & all other contingent Electrical, Mechanical, Piping & Instrumentation works. With PLC & SCADA Arrangement for STP & MPS along with Synchronizing it with each other including furniture & laboratory equipments as per detail given in the bid document and including following components including O&M for 5 years complete description as per item No. 2 of approved NIT:-</p> <p>(i) 2 No. High Mast of 9 mtr GI Octagonal pole of 4 mm thickness (T=100 mm, B=200mm, Base Plate = 320 x 320 x 20 mm), Window at 500 mm from Base Plate with 4 No. LED energy efficient lamps on each pole.</p> <p>(ii) Supply and installation of 1 N. SS Main Gate of SS-304 grade 12 ft wide main gate and 4 ft wide wicket gate (total weight not less than 500 kg) at STP site</p> <p>(iii) Providing and installing 2 No. centrifuges (1Working + 1 Stand bye) including centrifuge</p>	1 Job	Job	7,00,00,000/- (Rs. Seven Crore Only)	7,00,00,000/- (Rs. Seven Crore Only)

	<p>feed pump, all fittings, instrumentations, electric panel board etc. as per design complete in all respect including packing dry sludge in 20 Kg. bag and supplying the same to market Kisan Sewa Kendra or as directed by Engineer-in-charge within the lead as pointed at clause 4.4.5 of the NIT, including operation & Maintenance of 5 Years</p> <p>(iv) Laying, cutting, jointing, Sluice valve, air valve & Special as per site requirement of DI Rising main for carrying treated effluent sump to Rangoi karrif channel drain in al length of 12.50 KM (Note DI K-9 pipe issued by department free of cost.)</p> <p>(v) Supply & installation of 2 No. non clog submersible pump set 5555.50 LPM x 30 m head for pumping treated effluent including special, panel cables, earthing, exhaust fans and all accessories complete in all respect.</p> <p>(vi) Pumping of 6 x 3.6 m for electric installation for treated effluent pump set.</p>				
3	<p>CCTV CAMERAS Providing and Installing 5 CCTV Cameras 3 Cameras for STP and 2 Cameras for MPS) complete as per satisfaction of the Engineer- in- Charge, within 96 hours of signing the Agreement along with 90 days recording (DVR), 32 inch LED Screen, 16 Channel DVR at STP Site and 8 Channel DVR at MPS Site with connectors, cables, poles and power supply with online real-time output facility. The cameras at both the sites i.e. MPS and STP shall be synchronized at STP site.</p> <p>Cameras: (i) At STP & MPS Site- 1 No. PTZ speed dome 360 degree 50X zoom camera, 3 No. 12mm lens size, 1 Nos. 3.6mm lens size.</p> <p>Make: - Sony/ Canon/Panasonic/ Samsung.</p> <p>CCTV Cameras should be installed and commissioned before starting execution of work including operation & Maintenance of 6 Years.</p>	1 Job	Job	1,25,000/- (Rs. One Lac and Twenty Five Thousand only)	1,25,000/- (Rs. One Lac and Twenty Five Thousand only)
4 (i)	<p>TRANSFORMER</p> <p>Design, Supply & Erection of 1No. copper wound Transformer of 400 KVA on load tap changer or suitable capacity on higher side (at STP) of standard make outdoor type, VCB Panel, G.O. Switch, H.T. Metering Panels, APFC Panels along with for each Transformer, 11KV Substation, entire cable network from</p>	1 Job	Job	13,00,000/- (Rs. Thirteen Lacs only)	13,00,000/- (Rs. Thirteen Lacs only)

	G.O. Switch to H.T. Metering equipment and from H.T. Metering to Transformer Main to L.T. Panel, Earthing, safety equipment and any other contingent thereto complete in all respect as per DNIT and getting it passed from Chief Electrical Officer including operation & Maintenance of 5 Years complete description as per item No.4 (i) of approved NIT.				
4 (ii)	Design, Supply & Erection of 1 Nos. DG Set of 125 KVA at MPS and 1 No. D.G. set of 200 KVA at STP or suitable capacity on higher side (at STP) capacity each with Acoustic Canopy, AMF Panel and Copper Earthing of suitable rate with change over switch & synchronizing panel complete as per DNIT including operation & Maintenance of 5 Years complete description as per item No.4 (ii) of approved NIT.	1 Job	Job	25,00,000/- (Rs. Twenty Five Lacs only)	25,00,000/- (Rs. Twenty Five Lacs only)
4 iii	Construction of HT / LT Panel room, PLC room, Centrifuge house, blower room and Lab cum office building including doors, windows & fittings with toilet block including all Sanitary fittings etc. as per drawings attached in DNIT at MPS & STP site covered area with RCC framed structure of brick work vitrified glazed tiles flooring, powder coated aluminium frame of size 100mm x 45mm of 10 gauge for chowkhat, 75mm x 45mm of 10 gauge for door frame, 45mm x 45mm of 10 gauge for window frame with 5mm thick glass AIS/Saint Gobain/ Modi Float Covered Area (600 sqm) including operation & Maintenance of 5 Years complete description as per item No.4 (ii) of approved NIT.	1 Job	Job	78,00,000/- (Rs. Seventy Eight Lacs only)	78,00,000/- (Rs. Seventy Eight Lacs only)

Time Limit : 18 Months
Restricted Amount : Rs. 10,06,89,171/- (Rupees Ten Crore Six Lacs Eighty Nine Thousand One Hundred and Seventy One Only).

The work will be reckoned from the date of commencement w.e.f. 19/12/2017.

3% balance security should be deposited within 10 days from the date of issue of this letter and also contract the Sub Divisional Engineer, Public Health Engg. S/Divn No. 2, Fatehabad for taking Nissans and start the work immediately.

Documents containing details of other terms and conditions of contract which stands concluded with this communication are under preparation in this office and you are requested to attend this office on any working day to sign the same within one week from the issue of this communication.

Please note that no payment will be made to you till the tender documents mentioned above are signed by you.

For and on behalf of Governor of Haryana.

Endst No.

Dated

Executive Engineer,

Sub Divisional Engineer
Public Health Engg. S/Divn. No. 2
Fatehabad

Executive Engineer
P.H. Engg. Division
Fatehabad


A Copy of the above is forwarded to the Superintending Engineer Public Health Engg. Circle Sirsa for information and necessary action. This is w.r.t his office Memo No. 11323-24 Dated 07/12/2017.


Endst No. 15035 Dated 13-12-17 Executive Engineer,

Copy of the above is forwarded to the Sub divisional Engineer, Public Health Engg. S/Divn No. 2, Fatehabad for information and necessary action please. He is requested to get deposited the balance security from the contractor and give the necessary Nishan. Further it will be the responsibility of you that the material supplied and installed by the firm duly inspected at site is strictly in accordance with the various relevant BIS specification with latest amendments as mentioned in the approved NIT read with common parameters wherever applicable.

Conditions:-

1. The specifications /makes of all the items to be supplied and fixed will be as per specifications/ makes mentioned in the schedule No. II of NIT.
2. The specifications /makes of any items for which specifications/ makes have not been mentioned in the NIT and then the same will be finalized the Engineer-in-Charge.
3. All the cutting and corrections be got attested by the Engineer-in-Charge.
4. The Expenditure against the works shall not exceed administratively approved estimate and funds sanctioned for the work.
5. The constructional and structural designs and drawings, X-Section, L-Section shall be approved by the concerned Superintending Engineer, before taking the work in hand.
6. The work shall be carried out strictly as per detailed specifications mentioned in the NIT with amendments and no change in specifications and scope of work shall be made without specific approval of this office.
7. The time limit is restricted of **18 Months** and it should be ensured to get the work completed within the time limit.
8. The quantities provided and calculated in the NIT shall be the responsibility of the Engineer-in-Charge.
9. The detailed estimate of the work shall be submitted to this office within Two Months for Technical Sanction.
10. The physical scope of the work shall be taken in NIT should not be covered in any other administratively approved estimate under any programme.
11. The sanction under rule 9.5.1 of PWD code be taken from the competent authority before taking the work in hand.
12. The total cost of this work is restricted to **Rs. 10,06,89,171/- (Rupees Ten Crore Six Lacs Eighty Nine Thousand One Hundred and Seventy One Only)** for the complete scope of work as per NIT. (Total restricted amount comprises of amount of capital works which is 80% of total restricted amount, i.e. Rs. 8,05,51,337/- (Rs. Eight Crore Five lacs Fifty One thousand Three Hundred and Thirty Seven only) and amount of O&M during trial run period, defect liability period and five years thereafter which is 20% of total restricted amount i.e. Rs. 2,01,37,834/- (Rs. Two Crore, One lac Thirty Seven Thousand, Eight Hundred and Thirty four only)
13. All the material shall be personally inspected by Executive Engineer, Public Health engineering Division, Fatehabad and inspection note issued thereof to ensure that they meet the required specifications/ standards before their installation at site by the contractual agency.
14. The 3rd party inspection will be adopted by Engineer-in-Charge. The inspection and sample testing charges will be done by the Department.
15. The above rates include the cost of design, lowering of sub soil water, pile foundation, price escalation, any royalties etc. for the above said work.
16. The correctness of ground Levels & Bed Levels of proposed/ existing sewer is the responsibility of Engineer-in-Charge.


Sub Divisional Engineer
Public Health Engg. S/Divn. No. 2
Fatehabad


Executive Engineer
P.H. Engg. Division
Fatehabad

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17. The contractor is required to verify the water table, bearing capacity and other geophysical conditions before tendering and no subsequent payments of design, dewatering/ lowering of sub-soil water, pile foundation price escalation, any royalties etc. will be made on this account.
18. Possession for land may be ensure before start of work and mutation be made in the name of PHED.
19. Pumping Sets, DG sets, Transformer etc. will be procured after major RCC work of SBR Reactors, Pumping Station, Pump Chamber etc. is completed and payment for the equipments will be claimed thereafter.

Further the field officers JE/SDE are directed to ensure the quality of work to be done as per PWD Specifications and the material supplied and installed by the contractor at site is strictly as mentioned in the NIT wherever is applicable.

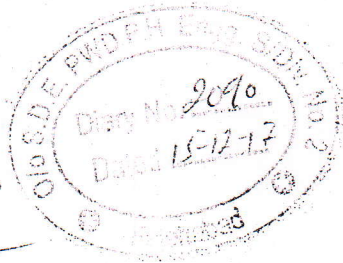
[Signature]
Executive Engineer,

Endst No.

Dated

A Copy of the above is forwarded to the following for information and necessary action.
 1. Sr. Divisional Accounts Officer, Public Health Engg. Division. Fatehabad.
 2. Deputy Supdt. Public Health Engg. Division. Fatehabad for agreement.
 3. WAPCOS Ltd. SCO 826 IInd, Floor NAC Manimajra Chandigarh.

[Signature]
Executive Engineer,
Public Health Engg. Division,
Fatehabad.



SK Sumary SE
for 17/12/17
QNY
2 DE

[Signature]
Sub Divisional Engineer
Public Health Engg. S/Divn. No. 2
Fatehabad