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## NOTICE INVITING TENDER (DETAILED TENDER NOTICE)

Sealed tenders in two envelopes system are invited by the **Chandrapur Waste Water Management Pvt. Ltd.**, (100% Subsidiary of Vishvaraj Group), for below mentioned work from the contractors or reputed companies fulfilling the pre-qualification criteria given below, so as to reach in the office of the **Chandrapur Waste Water Management Pvt. Ltd.** 4<sup>th</sup> Floor, Madhu-Madhav Towers, Laxmi Bhuvan Square, Dharampeth, – 440 010 (INDIA) Tel. No. 0712-2552826 and Fax No. 0712-2552811

**1) NAME OF WORK: ENGINEERING, PROCUREMENT & CONSTRUCTION OF TERTIARY TREATMENT PLANT, PUMPING STATIONS, RISING MAIN & ALLIED WORKS FOR REUSE OF 50 MLD TREATED SEWAGE WATER AT CHANDRAPUR SUPER THERMAL POWER STATION (2x500 MW)**

**2) Nature of Work : EPC Contract**

**3) Important Dates –**

- Release of Tender document – 26/02/2021
- Site Visit – 06/03/2021 to 08/03/2021
- Bid Submission date – 11/03/2021
- Bid Opening - 15/03/2021

**4) Bid Document Cost : Rs.1000/- (Rupees One Thousand Only)**

**5) Joint Venture: Allowed - Maximum three (3) Partners. Experience of Subsidiary, SPV or Holding Companies accepted.**

### Job Description

#### Part 1:

**Tertiary Treatment Plant, Pumping Stations, Rising main, Refurbishment, Gated Weir & Allied Infrastructure**

S.N.	Sub Work	Description
<b>A</b>	<b>Refurbishment of Existing SPS, STP of 45 MLD &amp; 25 MLD</b>	
1	Refurbishment of Civil, Electro- Mechanical & Instrumentation Works at 45 MLD STP	Grouting, Plastering to RCC Structures, & Colouring to Civil and Steel structures of STP, Replacement and/or repairs of some of the Mechanical, Electrical & instrumentation equipment, part replacement of media in the anaerobic filter, bio-discs in the MBBR tanks, other essential equipment, etc.

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2	Refurbishment of Civil, Electro-Mechanical & Instrumentation Works at 25 MLD STP	Grouting, Plastering to RCC Structures, & Colouring to Civil and Steel structures of STP, Replacement and/or repairs of some of the Mechanical, Electrical & instrumentation equipment, part replacement of media in the anaerobic filter, bio-discs in the MBBR tanks, other essential equipment, etc.
<b>B Construction of New allied work at Pathanpura 45 MLD STP</b>		
3	Weir on Zarpat River near Pathanpura 45 MLD STP with connecting pipe to inlet, Intake	Gated Weir, Kolhapur type
4	Flood Protection wall at 45 MLD STP	Flood Protection wall of Different height and total indicative Length – 230 to 250 M.
5	Emergency Drainage system at 45 MLD STP for maintenance purpose	RCC Pipe 1200 mm dia. for overflow from SPS & RCC Pipe 500 mm dia. Indicative Length - 300 M for emergency drainage of AF, MBBR, CTFT Unit only.
6	SCADA system for Automation	For Complete Automation of Existing STP
7	Land Development- Compound wall / Internal Road / Storm Drains/ C.D. Work/ Murrum Filling/ landscape etc.	Murrum Filling in Existing Premises, Construction of Internal Road, Storm water drains along road sides, C.D. Work at Entrance with compound wall with gate and landscaping etc.
<b>C Construction of New allied work at Rahamat Nagar 25 MLD STP</b>		
8	Weir on Chamarkundi Nalla near Rahmat Nagar STP with connecting pipe to inlet, Intake	Gated Weir, Kolhapur type
9	Flood Protection wall at 25 MLD STP	Flood Protection wall of Different height and total indicative Length – 205 to 220 M
10	Emergency Drainage system at 25 MLD STP for maintenance purpose	RCC Pipe 1000 dia. for overflow from SPS & RCC Pipe 500 mm dia. Indicative L- 200 M for emergency drainage of AF, MBBR, CTFT Unit only.
11	Land Development- Compound wall / Internal Road / Storm Drains/ C.D. Work/ Murrum Filling/ landscape etc.	Murrum Filling in Existing Premises, Construction of Internal Road, Storm water drains along road sides, C.D. Work at Entrance with compound wall with gate and landscaping etc.
12	SCADA system for Automation at 25 MLD STP	For Complete Automation of Existing STP

13	Secondary Treated water sump of 1 hr. retention and Pump House of capacity 50 MLD	Secondary treated water sump of minimum retention of 1 hour for a capacity of 50 MLD shall be provided at Pathanpura STP location
14	Secondary Treated V.T. Pumping Machinery of 45 MLD capacity at 45 MLD STP at Pathanpura with minimum 1.2 peak capacity.	The pumps shall be operated at full capacity to lift the secondary treated water from Pathanpura STP to Rehmatnagar. The pumping machinery includes, the station piping, valve, electrical panels and switchgears, earthing etc. required for it.
15	Rising Main from 45 MLD TTP to Rehmatnagar new TTP inlet chamber	Suitable for 1.2 peak factor. Tentative length of Rm is around 3.6 km
<b>D Tertiary Treatment Plant of 50 MLD at Rehmatnagar STP</b>		
16	Tertiary treatment plant of 50 MLD capacity	Based on Fibre Disc Filtration Technology
17	Chlorine Contact tank	30 min. retention time below FSL with additional free board considering flood height.
18	Treated Water Sump & Pump House	2.5 hr retention time below FSL with additional free board considering flood height
19	Tertiary Treated V.T. Pumping Machinery of 50 MLD capacity on 50 MLD TTP at Rehmatnagar with minimum 1.2 peak capacity.	The pumps shall be operated at full capacity to lift the secondary treated water from Rehmatnagar TTP to 2 x 500 MW plant cooling tower. The pumping machinery includes, the station piping, valves, electrical panels and switchgears, earthing etc. required to complete the work.
20	D.G. Set Room Cum Control Room (G+3) at 50 MLD TTP	D.G. Set Room cum control room for TTP unit.
21	Electrical connection at TTP	Separate Electrical substation & Distribution system for TTP Units and pumping systems.
22	SCADA & Instrumentation	For Complete Automation of proposed TTP
<b>E Rising Main from Tertiary Treatment Plant to Thermal Power Plant</b>		
23	Rising Main from 50 MLD TTP to fore bay of Cooling tower of 2X500 MW from Rehmatnagar TTP	Suitable for 1.2 peak factor. Tentative length around 6 km

SN	Type of Work	Description of Works
1	<b><u>Part 2:</u></b> <b><u>Additional works to be executed as per Contractors methodology in addition to Part-1</u></b>	i. Contractor to make his own assessment of the work involved for construction. ii. Contractor to list out additional works not mentioned in Minimum required measures as stated in Scope of work and specification.
2	<b><u>Part 3:</u></b> <b><u>Rehabilitation of Civil &amp; Other works</u></b>	i. Rehabilitation of Existing STP and other Civil structure to increase the serviceability for capacity.

**6) Earnest Money (EMD): Rs. 15,00,000/- (Rs. Fifteen Lacs Only)**

Earnest Money Deposit shall be in the form of Cheque/ Bank Guarantee / Bid Security Declaration issued by any Nationalized / Schedule Bank in Favor of **Chandrapur Waste Water Management Pvt. Ltd.** And shall be submitted with Bid

**Performance Bank Guarantee (PBG):**

- a) PBG of 1% of Bid Price from any Nationalized or Schedule Bank.
- b) Within 45 days from issue of LOI, contractor has to submit the PBG.

**Pre-qualification Conditions:**

Reputed companies or contractor, having Experience in

- 1) Execution of work based on EPC/PPP model
- 2) Civil construction / rehabilitation of Water Retaining Structures, WTP/ STP/ TTP (Minimum Capacity of 35 MLD)
- 3) Laying Testing & Commissioning of Pipeline of minimum 700 mm dia. For length of 5 km
- 4) Self attested experience certificate with documents of evidence of work executed
- 5) Average Financial turnover of Rs. 50 Crore for last three years (Self Attested copy of Annual Account)

For Chandrapur Waste Water Management Pvt Ltd

Sd/-

Authorized Signatory

Date: 25/02/2021