

VIJAYAWADA MUNICIPAL CORPORATION

Pre-Bid Queries -Preparation of Detailed Project Report for Rejuvenation of Existing STPs and DP stations to meet the Effluent Parameters and Installation of Bio Gas Energy Plants duly following guidelines of CPHEEO, MoHUPA, MoEF and NGT

S. No	Query	Clarifications
1	Number of STPs considered under this Project, with details of capacity (MLD), location, the process adopted, year of construction, present sludge treatment and disposal mechanism, year of construction etc.,	Please refer the Annexure provided as attachment for the project details.
2	Number sewage pumping stations considered under this Project with details of capacity of pumps, location, year of construction, etc.	Details are available in the Annexure provided as attachment.
3	Whether the as-built drawings of the STPs and Pumping Stations are readily available?	As-built drawings are not available.
4	Three months provided to complete the project is grossly insufficient. Please consider a minimum period of 8 months.	As per RFP
5	Please extend the date of bid submission (28.11.2019) to at least two weeks from the date of the issue of clarification of bidder's queries.	Extended till 7 th December 2019
6	We hope there is no need of establishing an office at Vijayawada for the Project and we can operate from our Home office with visits to Vijayawada as and when required for the meetings, data collection and site visit. Please confirm.	You are expected to be available for all project related meetings, field visits invited by VMC.
7	As the process designs are designed by large by Chemical Experts, for TL position please consider the qualification of Masters in Chemistry / Chemical Engineers also.	As per RFP
8	The Scope (Point xvi in Scope of Work) is mentioned as "Study of comprehensive proposal on prevention of overflow of manholes in VMC Limits" The scope is not clear. Whether already you've already prepared a proposal and we need to study and recommend improvements or whether the comprehensive proposal has to be prepared by the Consultant to be appointed for this Project? If so then detailed engineering (population projection, estimation of sewage generation, collection of	Comprehensive study is available w.r.t city sewerage system. The consultant is expected to provide implementable solutions for overflow of manholes.

	existing collection system details – dia, invert level, age etc., analyse the present system for the present future flow, identify the stretches which are not sufficient to carry the present / future flow and recommend for upsizing. If this detailed exercise is what expected, then this is a separate project by itself and needs more time. Please clarify.	
9	As the latest process designs are patented technologies, Construction of STPs are awarded by DBO Model and needs only Block Cost Estimates from the Consultant. We presume Block cost estimates on MLD basis are sufficient for this Project. Please confirm.	Subject STPs are already constructed and existing for long time. The consultant is expected to give detailed estimates for upgradation of existing STPs as per NGT guidelines.
10	There are a lot of scope for a Financial Specialist and Procurement Specialist for preparing detailed financials, explore PPP model, assess capital investments, prepare detailed financial models with cost and revenue inputs to test the bankability of the project etc., But there is no mention of Financial Expert, Procurement Specialist in the list of Key personnel. So, please consider to include the two experts.	Team leader shall also be the Procurement/PPP expert.
11	Please consider the following payment schedule: a. Submission of Feasibility Report – 20% b. Submission of Draft DPR – 35% c. Submission of Final DPR – 30% d. On approval of Final DPR by TA – 10% e. On appointment of Contractors – 5% (appointment of contractors depends upon a number of contractors which are not related to the Consultant)	As per RFP
12	We would like to bring your kind notice that with reference to the Ministry of Micro, Small & Medium Enterprises, Government of India, “the companies/ firms registered under Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) are exempted from furnishing cost of tender fee and Earnest Money Deposit” Therefore, we request you to please provide exemption towards cost of RFP to the companies/ firms participating in this tender on submission of necessary proof of registration in MSME.	As per RFP

13	For the specific criteria of having experience in DPR preparation for Installation of Bio Gas Energy Plant, we request you to please allow an association with Technology Provider or manufacturer/ supplier of Bio Gas Energy Plants. This will provide specialized service towards the specific requirement.	Consortium is allowed not exceeding two members. Technical experience of all members will be considered for Technical evaluation. Financial experience of the Lead member will only be considered for evaluation of Financial criteria.
14	For the specific criteria of having experience in DPR preparation for Installation of Bio Gas Energy Plant, we request you to please allow an association with Technology Provider/ manufacturer/ supplier of Bio Gas Energy Plants.	Please refer point no.13
15	Please clarify whether 2000 cum/day is capacity of STP or 2000 cum/ day Bio Gas generated plant.	It is the capacity of Bio Gas Energy plant.
16	Please clarify that the cumulative turn over means total Rs. 10.00 Crores of years 2017- 17 to 2018-19 or in particular year. We request to consider the Annual Average turnover Rs. 10.00 Crores	As per RFP
17	The qualifying technical score not mentioned. Please clarify the qualifying technical score.	70 marks. However, VMC shall have right at its own discretion to lower the criteria based on response to the RFP.
18	We request to consider the following payment conditions: a. Submission of Feasibility Report – 10% b. Submission of Draft DPR – 25% c. Submission of Final DPR – 45% d. On approval of Final DPR by TA – 10% e. On appointment of Contractors – 10%	As per RFP
19	We request to kindly extend the bid submission date for 10 days.	Please see clarification at S. No: 5

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ANNEXURE

Existing STPs							
S. No	Zone No	Location of STP	Capacity (MLD)	Year of Commission	Treatment technology	Treated Effluent Disposal	By product use
1	I	Jakkampudi STP	20	March 2017	U.A.S.B. R	Budameru Drain	-
2	II	Ajit Singh Nagar STP	40	2011	U.A.S.B. R	Budameru Drain	Sludge cake sold to farmers
3		Ajit Singh Nagar STP	20	March 2017	U.A.S.B. R	Budameru Drain	-
4	III	Auto Nagar STP	10	2004	EXTENDED AERATION	Gunduthippa Drain	Sludge cake used in horticulture
5	IV	Ramlingeshwar Nagar STP	20	2012	U.A.S.B. R	Krishna River	Sludge cake used in horticulture
6			10	2005	EXTENDED AERATION		
7	III	Auto Nagar STP	10	Construction completed, commissioned	M.B.B. R	Gunduthippa Drain	-
Total capacity (MLD)			130				
Ongoing STPs under JnNURM							
S.No	Zone No	Location of STP	Capacity (MLD)	Status as in 2019	Treatment technology	Treated Effluent Disposal	By product use
1	I	Jakkampudi STP	20	Nearing completion	U.A.S.B. R	Budameru Drain	-
Total capacity (MLD)			20				

Existing Sewerage Pumping Stations

Pumping station No	SPS Name	Year of Commission	Pumps	Head (m)	Discharge (m3/hr)	Sump Capacity (MLD)	Present working condition	STP & Zone Details
1	Pandaripuram	2005	20 HP Horizontal	13	234	2.76	Working	Existing Ramlingeswar Nagar 10 MLD STP in Zone 4
			10 HP Horizontal	10	115		Working	
			7.5 HP Horizontal	10	61		Working	
			7.5 HP Horizontal	10	61		Working	
2	Electricity Colony	2005	20 HP Horizontal	13	234	3.13	Working	
			10 HP Horizontal	11	144		Working	
			10 HP Horizontal	11	144		Not Working, Standby	
			10 HP Horizontal	11	144		Not Working, Standby	
3	Patamata Lanka	2009	35 HP Non clog submersible	18	288	2.83	Working	
			15 HP Non clog submersible	18	108		Not Working, Standby	
			10 HP Non clog submersible	11	144		Not Working, Standby	
			10 HP Non clog submersible	11	144		Not Working, Standby	
4	Ramlingeswar Nagar	2009	8 HP Non clog submersible	12	108	1.80	Working	
			8 HP Non clog submersible	12	108		Working	
			8 HP Non clog submersible	12	108		Not Working, Standby	
			8 HP Non clog submersible	12	108		Not Working, Standby	
5	Chalasani Nagar	2009	120 HP DVD	16	1026	6.80	Working, Standby	Ramlingeswar Nagar 20 MLD STP in Zone 4
			60 HP DVD	16	513		Working	
			60 HP DVD	16	513		Working	
			30 HP DVD	16	256		Working	
			30 HP DVD	16	256		Not Working, Standby	
6	Krishna Lanka	2009	75 Non clog submersible	16	519	5.34	Working	
			40 Non clog submersible	15	288		Working	
			40 Non clog submersible	15	288		Working, Standby	
			20 Non clog submersible	13	234		Working, Standby	
			20 Non clog submersible	13	234		Working, Standby	
7	Y V Rao	2009	150 HP DVD	22	1038	6.05	Not Working, Standby	

			75 HP DVD	22	519		Working	
			75 HP DVD	22	519		Not Working, Standby	
			40 HP DVD	22	260		Working	
			40 HP DVD	22	260		Working	
8	Film Colony	2009	20 HP Non clog submersible	13	234	1.78	Working	
			10 HP Non clog submersible	11	144		Working, Standby	
			10 HP Non clog submersible	11	144		Working, Standby	
			7.5 HP Non clog submersible	10	61		Not Working, Standby	
			7.5 HP Non clog submersible	10	61		Not Working, Standby	
9	Vijay Nagar Colony	2005	40 HP Non clog submersible	15	288	7.26	Working	Existing Auto Nagar 10 MLD STP in Zone 3
			40 HP Non clog submersible	15	288		Working	
			40 HP Non clog submersible	20	288		Working	
			40 HP Non clog submersible	20	288		Not Working, Standby	
			20 HP Non clog submersible	20	144		Working	
			15 HP Non clog submersible	18	120		Not Working, Standby	
			10 HP Non clog submersible	18	110		Not Working, Standby	
10	Srinivas Nagar Bank Colony	2004	30 HP Non clog submersible	18	216	2.72	Working	
			30 HP Non clog submersible	18	216		Working	
			15 HP Non clog submersible	18	180		Working, Standby	
			15 HP Non clog submersible	18	120		Not Working, Standby	
11	Kamineni Nagar	2009	35 HP Non clog submersible	18	288	0.31	Working	JnNURM Auto Nagar 10 MLD STP in Zone 3
			15 HP Non clog submersible	18	180		Working, Standby	
			15 HP Non clog submersible	18	180		Working, Standby	
			7.5 HP Non clog submersible	10	61		Working, Standby	
			7.5 HP Non clog submersible	10	61		Working, Standby	
12	Nagarjuna Nagar	2009	40 HP Non clog submersible	15	288	2.58	Not Working, Standby	
			15 HP Non clog submersible	18	180		Working	
			15 HP Non clog submersible	18	180		Working	
			10 HP Non clog submersible	11	144		Working, Standby	
			10 HP Non clog submersible	11	144		Working	
13	Veterinary	2009	60 HP DVD	16	513	5.25	Working	

	Colony		40 HP DVD	15	288		Working, Standby	
			40 HP DVD	15	288		Not Working, Standby	
			20 HP DVD	13	234		Not Working, Standby	
			20 HP DVD	13	234		Not Working, Standby	
14	Giripuram	1965	12.5 HP VT	10.6	130.5	4.86	Working	Existing Ajit Singh Nagar 40 MLD STP in Zone 2
			20 HP Non clog submersible	11	288		Working, Standby	
			10 HP Non clog submersible	11	144		Working	
15	Seetharampura m	1965	125 HP VT	34	990	10.88	Not Working, Standby	
			75 HP DVD	15	810		Not Working	
			50 HP DVD	15	540		Working	
			50 HP DVD	15	540		Working	
16	Durgapuram	2005	2HP submersible	8	18	1.42	Working	
			8HP submersible	12	72		Working	
			4HP submersible	10	32.4		Working	
			4HP submersible	10	32.4		Working, Standby	
17	Machavaram	2005	8 HP	12	108	3.27	Working, Standby	
			4 HP	12	54		Working	
			3 HP	12	54		Working	
			3 HP	12	54		Working, Standby	
18	Mutyalampadu	2012	30 HP Induction	15	360	7.48	Working, Standby	
		2008	60 HP Induction	15	573		Working, Standby	
		2012	30 HP Induction	15	360		Working	
		2008	60 HP Induction	15	573		Working	
19	Kedaraswarpeta	1915	20 HP DVD	10	300	0.76	Working, Standby	
			20 HP DVD	10	300		Working	
			10 HP DVD	10	150		Working	
			15 HP Submersible storm	7	300		Working	
20	Rajeshwaripeta	2010	30 HP Submersible	14	300	0.57	Working	
			15 HP Submersible	14	150		Working	
			50 HP Submersible	14	600		Working, Standby	
			15 HP Submersible	14	150		Working, Standby	

			30 HP Submersible	14	300		Not Working, Standby	
21	Ayodhya Nagar	2009	7 HP	14	40	1.44	Working	
			7 HP	14	40		Working	
			10HP	14	77		Not Working, Standby	
			10HP	14	77		Working	
			15HP	14	156		Working, Standby	
22	Devi Nagar	2009	12HP	15	120	3.66	Working, Standby	
			12HP	15	120		Working	
			25HP	15	170		Working, Standby	
			25HP	15	170		Working	
			40HP	15	276		Working, Standby	
23	Madhura Nagar	2010	10HP	16	69	2.60	Working	
			10HP	16	69		Not Working, Standby	
			20HP	16	148		Working	
			20HP	16	148		Not Working, Standby	
			40HP	16	276		Not Working, Standby	
24	Singh Nagar	2016	30 HP DVD	15	270	5.00	Working	JnNURM Ajit Singh Nagar 20 MLD STP in Zone 2
			50 HP DVD	15	540		Working	
			100 HP DVD	15	1080		Working, Standby	
			50 HP DVD	15	540		Working, Standby	
			30 HP DVD	15	540		Working, Standby	
25	Prakash Nagar	2015	50HP	20	330	2.44	Working	
			50HP	20	330		Working, Standby	
			80 HP	20	660		Working	
			80 HP	20	660		Working, Standby	
			200HP	20	1320		Not Working, Standby	
26	Rajiv Nagar	2015	15HP	14	156	2.96	Working	
			15HP	14	156		Working, Standby	
			30 HP	14	300		Working	
			30 HP	14	300		Working, Standby	
			50HP	14	600		Working	

27	NSC Bose Nagar	2015	15HP	14	156	2.75	Working	
			15HP	14	156		Working, Standby	
			30 HP	14	300		Working	
			30 HP	14	300		Working, Standby	
			50HP	14	600		Working, Standby	
28	Kanaka Durga Nagar	2014&2015	15HP	14	156	1.18	Working	
			15HP	14	156		Not Working, Standby	
			30HP	14	300		Working	
			30HP	14	300		Working, Standby	
			50HP	14	600		Working	
29	Kabela	2012	60HP	30	300	8.61	Working	JnNURM Jakkampudi 20 MLD STP 1 in Zone 1
			60HP	30	300		Working, Standby	
			120HP	30	600		Working	
			120HP	30	600		Working, Standby	
			225HP	30	1200		Working, Standby	
30	H.B. Colony	2012	20HP	20	135	10.89	Working	
			20HP	20	135		Working, Standby	
			40HP	20	270		Working	
			40HP	20	270		Working, Standby	
			75HP	20	540		Working, Standby	
31	Karakatta	2012	5HP	14	33	1.70	Working	JnNURM Jakkampudi 20 MLD STP 2 in Zone 1
			5HP	14	33		Working, Standby	
			7.5HP	14	66		Working	
			7.5HP	14	66		Working, Standby	
			15HP	14	132		Working, Standby	
32	Market area	2012	100HP	27	480	16.54	Working	
			100HP	27	480		Working, Standby	
			150HP	27	960		Working	
			150HP	27	960		Working, Standby	
			400HP	27	1920		Working, Standby	

33	Jakkampudi Housing Layout	2012	15HP	15	137	4.03	Working	
			15HP	15	137		Working, Standby	
			30HP	15	270		Working	
			30HP	15	270		Working, Standby	
			60HP	15	540		Working, Standby	