



ASANSOL DURGAPUR DEVELOPMENT AUTHORITY

A Statutory Authority of the Government of West Bengal
(Under Urban Development & Municipal Affairs Department)

1st Administrative Building,
City Centre,
Durgapur – 713216

Vivekananda Sarani, Senraleigh Road,
Near Kalyanpur Housing More,
Asansol -713305

Memo. No. ADDA/DGP/ED/CN-06/20-21/165 Date... 25/08/2020

Replies to the Queries of the Pre Bid meeting conducted in respect of tender no. ADDA/DGP/ED/N-05/2020-21 dated 14.07.2020.

Online meeting on Google meet.

Date:- 18.08.2020.

Time:- 3:00 PM.

- Attended agencies:-**
1. Emergy Enviro Pvt. Ltd.
 - i. Shilpa Naphade
 - ii. Rushikesk Hiwrekar
 - iii. Yogesh Raut
 2. Bharat Heavy Electricals Limited
 - i. Nabajyoti Kalita
 - ii. Tilak Raj
 3. Meco Technologies Private Limited.

SI No.	Particulars	Queries made by the intending bidder	Replies to the Queries made by the intending bidder
1	The tender has mentioned a general process for the Bio/Phyto remediation	Request to define a detailed process for more clarity.	The detailed process shall be formulated by the bidder considering low cost, energy efficient preferably in-situ Bio/Phyto remediation as the case may be, or simultaneous application of both processes incorporating the steps explained in the NIT vide items no. 2 (scope of work).
2	B.O.Q is not defined	If one has to submit tender with technology design related to treatment of sewage water, we request you to mention same in bid documents or else department should provide design with B.O.Q in the same RFP.	B.O.Q is clearly defined that it is a turnkey project and hence a lump sum rate needs to be quoted based on your technological solution conceived of, in line with scope of work spelt out in the Bid document duly vetted by the Government Institutions after necessary findings on the quantum of flow & quality of waste water flowing through the concerned out fall drainage channels (2 nos.).
3	Flow and other input parameters like BOD, COD, FC are not provided	If we as a bidder have to submit their own design their input parameters should be clearly mentioned.	The quality of waste water flowing through the concerned out fall drainage channels provided by WB PCB may be made available for tentative design calculation but the quality of this waste water needs to be further checked from the govt registered, WBPCB approved laboratories to arrive at final design of the treatment facility. Beside, the flow through the outfall drainage channels need also to be checked physically before quoting any rate.
4	Drawings are not provided	We request you to provide drawings in details.	There is no question of providing drawing & details excepting latitudes & longitudes of the concerned drainage channels as the design, drawing and necessary surveying for the defined treatment facility shall be provided by the bidder.



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Memo. No. ADD/DP/ED/CN-06/20-24/165 Date... 25/08/2020

5	The tender draft is more civil centric	We request the tender should be environment specific technology than civil. The civil work is a part the technology/ Solution.	We have given specific emphasis on the reduction of pollutants from waste water of the concerned drainage channels in compliance to the Honb'le NGT's directives by adopting environment friendly low cost energy efficient preferably in-situ Bio/Phyto remediation technology suitably applied, obviously civil components are there and hence the question of prominence of civil component in this project does not arise at all. Both are complements to each other. A robust joint venture with the technology provider shall be allowed.
6	Details about design	The solution is based on site survey hydraulic design should be defined in proper technical manner so that output can be assured. The design should speak more about organic load balancing and hourly. retention time along with velocity etc. detailed design should be asked along with submission from technology provider. The credibility of the core environment domain based technology provider should be considered than civil contractor.	It shall be the task of the bidder to evolve an environment friendly low cost energy efficient, preferably in-situ Bio / Phyto remediation technology/solution after detailed survey conducting hydraulic and structural design etc, duly vetted by the Govt. institution and the bidder shall provide technology solution including drawing & design (hydraulic & structural) etc. The credibility of technology provider shall obviously get prominence while the necessary civil components shall get its due importance as well, as both are integral parts of the concerned Project.
7	Evaluation criteria	Environment based technical capabilities should be evaluated and weightage should be given to experienced company/ technology.	Lowest rate to be quoted by the intending bidder having prescribed minimum technical and financial eligibility (as per qualification norms mentioned in NIT) shall be considered & placed for acceptance after observing all relevant financial rules, Govt. of W.B.
8	EMD	EMD exemption should be considered for MSME under start up India guidelines	Necessary guidelines in this direction, if elicited by the Govt. of W.B may be submitted for consideration. In terms of Memorandum No. 6718-F(Y), dt. 8/9/2015 only labour co-operative societies are exempted from the payment of EM only against all tenders of the Government. Then societies, if selected through tender will have to furnish security deposit for performance of the work.



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9.	Command area of the two nallahs to be defined.	Origin and confluence points of the Tamla and Nunia Nallaha are given below:- Coordinate of Tamla Origin is 23°34'33.6"N, 87°14'28.8"E Coordinate of Tamla Outfall is 23°28'15.2"N, 87°19'03.2"E Coordinate of Nunia Nallaha Origin is 23°48'11"N, 86°53'25"E Coordinate of Nunia Nallaha Outfall is 23°35'38"N, 87°05'36"E. Total catchment areas along both sides the nallahs which includes all the nallaha/Drains which were contributing to these two nallahs downstream to the origin point will be treated as command areas of respective nallahs.																		
10.	Videos of Nallahs.	Sending herewith the e-mail provided at during pre bid meeting.																		
11.	Quality of waste water to be provided.	Test reports provided by West Bengal Pollution Control Board are provided herewith. These test reports are only for tender purpose. However, the bidder will have to conduct test the waste water quality from any such laboratory which is approved by West Bengal Pollution Control Board and NABL accredited for arriving at final design of the treatment facility etc.																		
12.	Specify treated water quality.	<table><thead><tr><th><u>Parameter</u></th><th><u>Recommended Values</u></th></tr></thead><tbody><tr><td>1. COD (mg/L):</td><td>Not more than 10,</td></tr><tr><td>2. pH 6.5-9, BOD (mg/L):</td><td>Not more than 10,</td></tr><tr><td>3. COD (mg/L):</td><td>Not more than 50,</td></tr><tr><td>4. TSS (mg/L):</td><td>Not more than 20,</td></tr><tr><td>5. NH4-N (mg/L):</td><td>Not more than 5,</td></tr><tr><td>6. N-total (mg/L):</td><td>Not more than 10 ,</td></tr><tr><td>7. Dissolved P, mg/L:</td><td>Not more than 2 ,</td></tr><tr><td>8. Fecal Coliforms (MPN/100 ml)</td><td>Less than 230.</td></tr></tbody></table>	<u>Parameter</u>	<u>Recommended Values</u>	1. COD (mg/L):	Not more than 10,	2. pH 6.5-9, BOD (mg/L):	Not more than 10,	3. COD (mg/L):	Not more than 50,	4. TSS (mg/L):	Not more than 20,	5. NH4-N (mg/L):	Not more than 5,	6. N-total (mg/L):	Not more than 10 ,	7. Dissolved P, mg/L:	Not more than 2 ,	8. Fecal Coliforms (MPN/100 ml)	Less than 230.
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bkmandel
25.08.2020

Executive Engineer (Civil),
Asansol Durgapur Development Authority.

Laboratory test reports on the quality of the waste water of the outfall canals ultimately discharging into the Damodar River and Barakar River:

Identification Code: 1 8 0 3 2 0 2 0 3 1 5 6

Analysis Done At:



WEST BENGAL POLLUTION CONTROL BOARD
Durgapur Regional Laboratory, Paribesh Bhawan, Durgapur-713 216

Dr. D. Das: Mr. N.C. Das

Sample Collected by (First name only in short)

(As indicate in the label affixed to the sample container)

Date: 18.03.2020

Office Code:-

0000011

Name of Unit / Source:

Collection of 6 (Six) Nos. liquid effluent samples from different waste water channels at Dihika, Kalajhoria, Dhena & Nunia with the representatives of ADDA & AMC. Sampling points & sampling details have been identified & recommended by the ADDA & AMC authorities (Mr. Biman Mondal, AEE-ADDA; Mr. Dhananjay Hazra, Sanitary Inspector-Acting AMC).

Address:

Sl.	Sampling Details (Collection/Discharge)	T# / U#	Collection Time
1	Dihika outfall	U	1220
2	Kalajhoria Nullah at Kalajhoria near Lamayar Park	U	1250
3	Dhenua Nullah at Dhenua Village	U	1315
4	Nunia Nullah near Ghagorburi	U	1420
5	Nupur Nullah (Meecho Nullah) at Madanpur Village	U	1600
6	Nunia Nullah at Narayankuri Village	U	1710

* Treated / Untreated

Parameters	Sample Serial Number					
	1	2	3	4	5	6
pH (Unit)	7.79	7.89	7.69	7.59	7.82	7.66
TSS	16.00	20.00	14.00	34.00	34.00	190.00
COD	14.70	19.60	14.70	17.64	22.54	29.76
BOD	3.70	5.18	3.73	3.95	5.01	7.99
Ammoniacal Nitrogen	0.196	BDL	0.208	0.304	0.436	0.149
Fecal Coliform (MPN/100 ml)	3400	3100	3200	3400	2600	2700
Total Coliform (MPN/100 ml)	4700	4300	4000	4700	3900	4100

* All Parameters expressed in mg/l excepting pH and Coliform

BDL : Below Detectable Limit, NT : Not Traceable, NE : Not Executed, N.A. : Not Applicable

Remarks: Nil

29.05.2020
Date of Reporting

[Signature] 29.05.2020
Signature of (J.S.S.)

[Signature] 29.05.2020
Signature of In-Charge

Copy to: 1. Chief Engineer - Planning / Chief Engineer - Operation & Execution, WBPCB
2. Durgapur Regional Office, WBPCB
3. Asansol Regional Office, WBPCB

Identification Code: 160320203152

Analysis Done At:



WEST BENGAL POLLUTION CONTROL BOARD
Durgapur Regional Laboratory, Paribesh Bhawan, Durgapur-713 216

Mr. S. Banerjee

Sample Collected by (First name only in short)
(As indicate in the label affixed to the sample container)

Date=> 16/03/2019

Office Code=>

00000011

Name of Unit / Source: N.A

Address: --

Sl.	Sampling Details (Collection/Discharge)	T#U#	Collection Time
1	Outlet drain leading to Feeder Canal near Purusha Baraipara near Manasha Mandir	U	1305
2	Outlet drain leading to Feeder Canal near DMC 15 MGD water works at Angadpur village	U	1325
3	Outlet drain near Shivam Industries and opposite to M/s. Kalpana Traders	U	1335
4	Outlet at Tamba down stream near Damodar River	U	1353
5	Outlet at Rajib Nallah near Shankarpur Dumping Ground	U	1420
6	Outlet point at Chasipara, Dhiringi (backside of DSP Plant)	U	1500

#Treated / Untreated

Parameters	Sample Serial Number					
	1	2	3	4	5	6
pH (Unit)	7.35	7.98	7.64	7.76	7.77	7.56
TSS	22.00	60.00	24.00	18.00	20.00	18.00
COD	31.68	20.79	18.81	15.80	18.81	19.80
BOD	7.34	5.49	5.30	4.43	5.15	5.20
Ammoniacal Nitrogen	0.174	0.216	0.163	0.177	0.281	0.184
Fecal Coliform (MPN/100ml)	4000	2100	1700	2000	1400	2400
Total Coliform (MPN/100ml)	4700	2600	2100	2400	2000	4000

*All Parameters expressed in mg/l excepting pH and Coliform

BDL : Below Detectable Limit, NT : Not Traceable, NE : Not Exerted, N.A. : Not Applicable

Remarks: Sri Debabrata Biswas, Executive Engineer; Sri Mohanlal Majhi, Asstt. Engineer and Debabrata Bhattacharjee, Engineer BE of Durgapur Municipal Corporation were present during inspection and helped to identify the outlets from which samples have been collected by Shri S. Banerjee

29.05.2020
Date of Reporting

[Signature]
Signature of (JS/SS)

[Signature]
Signature of In-Charge

Copy to: 1. Chief Engineer - Planning; Chief Engineer, Operation & Execution, WBPCB

2. Durgapur Regional Office, WBPCB
3. Asansol Regional Office, WBPCB