



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-06/20-21/507 Date 19/01/2021

Replies to the Queries of the Pre-Bid meeting (3rd call)

Sub:- Planning, investigation (Quality & Quantity), Design, Construction, Commissioning and Operation & Maintenance for 12 (twelve) months of sewage treatment facility for outfall channel discharging into the river Damodar (one within Durgapur Municipal Corporation area and another within Asansol Municipal Corporation and Raniganj Block area) applying in-situ Bioremediation/Phytoremediation technology consisting of screening, grit removal, sedimentation, aeration plus chlorination, and thus discharging the treated effluent of quality conforming to the CPHEEO manuals in compliance to Hon'ble NGT's directives including interconnecting pathways.

Name of the outfall drainage channels are hereunder:-

1. Tamla Nalaha (within DMC area)
2. Nunia Nalaha (within AMC and Raniganj Block area) at Narayan Kuri (3rd call)

Replies to the Queries of the Pre Bid meeting conducted in respect of tender no. ADDA/DGP/ED/N-28/2020-21(3rd call) dated 24.12.2020.

Online meeting on Google meet.

Date:- 14.01.2021.

Time:- 3:00 PM.

Attended agencies:- 1. Cygnus Information Services.
2. NH Construction Pvt. Ltd.

Sl No.	Queries made by the intending bidder	Replies to the Queries made by the intending bidder
1.	You have restricted the tenders by mentioning only Bio remediation/ Phytoremediation technology which will lead to restriction of bidders in bidding the tenders and the response will be poor and there won't any fair competition. We request you to mention Bio-remediation/ Phyto-remediation technology or equivalent technology accepted by Govt. Authorities in implementing the similar nature of work in Nallah or Canal or River in the past 3-years in India for better participation in this tender thereby ensuring fair competition.	In present tender only Bio-remediation/ Phyto-remediation technology considered and there will be no change in basic processes.
2.	You have mentioned four step process of -screening, grit removal, sedimentation, and aeration plus chlorination, which naturally means holding, filtering, treating and aerating water, i.e., can't be done in-situ, whereas an "IN-SITU" treatment can be done on immediate basis, without any gestation period and provide better results too.	Here "IN-SITU" treatment means within demarcated boundaries of respective nallahas.



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3.	You have mentioned Quantity (flow) of untreated waste water of the drainage channels should be measured and determined at site but the fact remains the treatment shouldn't be done on Water volumes that would keep fluctuating during the year due to seasonal & weather changes. The treatment should be done on the surface area.	Treatment should be done to the entire flow so, volume count is predominant vis-a-vis surface /cross-sectional area.
4.	You have mentioned Bio remediation/ Phytoremediation for removal of pollutants (BOD, Total Coliform, etc.) shall at least include the following steps for treatment of waste water of the two identified outfall drainage channels:- a) Screening, b) Grit Removal, c) Sedimentation, d) Aeration, e) Periodical monitoring of chlorination dose, f) Periodical sludge removal, transportation and disposal. We strongly feel that all these steps would call for physical civil construction and increase the gestation period of the initial installation. Authority should rather select a R-a-a-S (Rejuvenation as a Service) that could be implemented right from the next day, so that no time is wasted for civil construction, neither and real estate is wasted in foot prints, nor is any energy requirement there (like electricity or burning of hydrocarbons / diesel / Petrol etc.). No physical sluge removal will be required, sludges will removed through Eco-dredging with the need of any machines.	Gestation period six months allowed.
5.	The Bidders have to submit initial earnest money of Rs. 1.00 lakh (Rupees one lakh only) along with the bid in NEFT/RTGS or other available online mode. We request you to exempt the EMD for the MSME registered bidders as this is being acceptable norms of tenders of Gol and GoWB too. The 2% Security deposit after receiving the LOI should be acceptable in the form of Bank Guarantee towards Security Deposit as this is being acceptable norms of tenders of Gol and GoWB also.	There is no such Govt. Order to exempt the EMD for works-contract as yet.
6.	"06 (six) months from the date of issue of work order for completion of execution of all works and commissioning of the project."If the treatment is in-situ, there's no time required to be wasted for installation. This time of Six month could be saved.	Bid stipulations stands.
7.	"The 12 (twelve) months for operation and maintenance of the system after commissioning of the project." No commissioning should be required in the "in-situ" treatment. The project or the treatment MUST start from the NEXT day.	Commissioning of the project will be treated from the completion of all the desired structures as stipulated in the bid.
8.	"Rate should be quoted against each drainage channel separately." Long. Lat. for each Nallah should be provided along with the length of the Nallah to be treated. After you provide these data, we need some more time for site survey etc.	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



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		<p>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. As we already delayed, extension of more time shall not be granted.</p>
9.	<p>"The Contractor must be prepared to continue work during night, if so required by the nature and urgency of work, involve speeding up the progress in order to keep up the time schedule." When the urgency is so high, why 6 months of gestation period being wasted? Authority should enforce the operational treatment within 7 days of issue of Work Order.</p>	<p>The Contractor may have to work at night to complete the project within targeted time, i.e. six months.</p>
10.	<p>"Successfully completed at least one STP of 1 MLD or in-situ Bioremediation /Phytoremediation system in a single contract in Government/Semi Government/Autonomous Body/Institution etc." The acceptable credential should not be restricted only STP / Bio remediation / Phyto-remediation. It should be any technology for sewage treatment with a customer satisfaction / completion certificate from multiple states of the offered technology I.e. the offered technology should have the Completion Certificates from the Government/Semi Government/ Autonomous Body /Institution etc. Otherwise this will lead to restriction of Bidders in bidding the tenders resulting poor response and rejection of bid. The objective should be to get better response in the tender for fair competition.</p>	<p>Bioremediation/ Phyto-remediation technology considered in present tender.</p>
11.	<p>A valid authorization form the Original Technology manufacturer referring the Tender Ref. No. should be asked to submit along with the Bid for the execution of the contract using the same technology, so as to ascertain that the bidder is using a legitimate technology and the authority do have a fall back option, if the results are not delivered.</p>	<p>Mal-practitioner or illegal user of technology without proper authorization will feel legal consequences.</p>
12.	<p>The following points are highly conflicting in nature:</p> <ol style="list-style-type: none"> 1. Planning, Design drawing and construction of Bio-remedial / Phyto-remedial structure including operation and maintenance of the same for 1 year for each nallah. 2. All Planning, Design and Drawing Works which shall be technically vetted by the reputed Govt. Institution. 3. Supplying of all materials & equipment and Construction of Bio-remedial I Phyto-remedial Structures as per 	<ol style="list-style-type: none"> 1. Operation and Maintenance for each nallah for 1 year to be carried out after commissioning of the project. 2. Planning, Design and Drawing is on the part of the bidder which to be vetted by the reputed Govt. Institution. 3. All materials & equipment and Construction of Bio-remedial/ Phyto-remedial Structures must



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	vetted design. 4. Installation of chlorine dosing equipment along with floating Bio-remedial/ Phyto-remedial arrangement.	conform vetted design. 4. To conform proper removal of coliform. installation of chlorine dosing equipment provided.
13.	We would like to request you that please mention the MLD flow of both the drains in the RFP.	Flow to be accessed or measured by the bidder themselves.
14.	Please also mention the required reduction in contamination as per the directions of SPMG.	<u>Parameter/ Recommended Values</u> 1. BOD(mg/L): Not more than 10, 2. COD(mg/L): Not more than 50, 3. TSS(mg/L): Not more than 20, 4. NH ₄ -N(mg/L): Not more than 5, 5. N-total(mg/L): Not more than 10, 6. DissolvedP,mg/L: Not more than 2, 7. Fecal Coliforms (MPN/100 ml) Less than 230.

[Signature]
18/1/2021
Executive Engineer (Civil),
Asansol Durgapur Development Authority.