

Response to the queries received on the Bidding Document for “Waste Water Treatment through In-situ Nallah Treatment Technology at various locations in Shillong, East Khasi Hills District, Meghalaya” (Tender Reference No. SSCL/Tender/2020-21/MEG-SHI-013)

The pre-bid Conference was held on 21st June 2021 at 02:30pm at the Conference Hall, Office of the Shillong Smart City Limited House No. C/B-037, Top Floor, Centre Nongrim Hills, Near JJ Cables, East Khasi Hills District, Meghalaya – 793003. Some bidders also participated online. The queries received and response of the Employer is as under:

SN	Clause No.	Page No.	Content of Bid document Requiring Clarification	Change Requested/ Clarification required	Response
(1)	(2)	(3)	(4)	(5)	(6)
1	4.2(c) of Instructions to Bidders (ITB)	8	<p>Definition of “Similar works”: The following works will be treated as “similar works”:</p> <p>Construction/installation of in-situ treatment of nallah/drain water;</p> <p>OR</p> <p>Construction of sewage treatment/waste water management plant/unit;</p> <p>OR</p> <p>Construction/installation work in treatment of waste water through biological/ wetland/ physiochemical methods.</p>	<p>We would request you to amend the definition of “Similar works”: The following works will be treated as “similar works”:</p> <p>Construction/installation of in-situ treatment of nallah/drain water;</p> <p>OR</p> <p>Construction of sewage treatment/Water Treatment Plant (WTP)/Sludge Management/ waste water management plant/unit;</p> <p>OR</p> <p>Construction/installation work in treatment of waste water through biological/ wetland/ physiochemical methods.</p>	<p>Definition of “Similar works” may be read as under:</p> <p>Construction/installation of in-situ treatment of nallah/drain water;</p> <p>OR</p> <p>Construction of sewage treatment/waste water management plant/unit;</p> <p>OR</p> <p>Sludge treatment or sludge management plant/unit;</p> <p>OR</p> <p>Construction/installation work in treatment of waste water through biological/ wetland/ physiochemical methods.</p>

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2	4.3.1(b)(i) of ITB	9	The lead partner shall meet the 75% qualification criteria. The other partner shall meet either 26% of turnover qualification criteria or 25% of the project experience criteria.	We understand that the lead bidder has to meet the 75% financial criteria related to turnover. Kindly confirm.	Yes, the Lead Partner shall meet not less than 75% of all qualification criteria (Technical/ Financial). The Clause may be read as under: “The lead partner shall meet minimum of the 75% of all the qualification criteria (including Technical and Financial criteria). The other partner shall meet minimum of either 25% of turnover qualification criteria or 25% of the project experience criteria.”
3	4.4(a)(i) of ITB	9	Only those works will be considered as “completed”, for which either Completion Certificate has been issued by the concerned Competent Authority clearly indicating completion of similar works till last day of month previous to the one in which applications are invited or 90% of the works are completed till last day of month previous to the one in which applications are invited, provided proof of receipt of payment	We would request you to consider 80% completed work as substantially completed work for allowing the bidder to participate in this tender in line with ADB, World Bank and JICA project.	As per RFP.

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			and a certificate from the concerned employer to this effect is produced.		
4	4.4(c)(iii) of Appendix to ITB	25	The minimum amount of credit facilities net of other contractual commitments of the successful Bidder shall be 10% of the contract value.	We understand that credit facilities from Banks/NBFCs/ Public Finance Institution (PFI) approved by RBI shall be allowed. Please confirm.	Yes, credit facilities by financial institutions approved by the Reserve Bank of India are allowed.
5	43.1 of General Conditions of Contract (GCC)	41	The Employer shall retain security deposit of 5% of the amount from each payment due to the Contractor, both during construction stage and O&M stage.	Since the bidder will be paying the performance security, we would request you to waive off the security deposit. This will adversely affect the cash flow.	As per RFP.
6	11 of Special Conditions of Contract (SCC) – Project Duration	62	Eight (08) Months from the date of issue of Notice to Proceed	We would request you to allow minimum 12 months as construction period	As per RFP.
7	Section 5: Scope of Work and Technical Specifications	70	Specifications of Treatment Units including Wetland Plant species, Coirvel Treatment Unit (CTU), etc: The Technical Specifications mentioned below are in brief and for reference of the Bidders and to assist them in ascertaining price Bid. All	We would request you to allow any technology for the In-situ treatment. In case you are not in a position to allow any technology, we would request you to share the list of vendors who owns the CSIR-NEERI -	As per RFP, the technology put to tender is RENEU by CSIR-NEERI. No change is contemplated to this effect.

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			works will be carried out in accordance with CSIR-National Environmental Engineering Research Institute (CSIR-NEERI) developed In-situ Nallah Water Treatment technology – RENEU (Restoration of Nallah with Ecological Units) and the design, drawing and specification provided by the Engineer-in-Charge.	RENEU technology so that MOU may be signed with respective vendors.	Bidders may contact the following office to get the information of authorised vendors for RENEU technology: National Environmental Engineering Research Institute (NEERI), Nehru Marg, Opp. Central Jail, Wardha Road, AH-43 Road, Nagpur, Maharashtra 440015
8	Section 5: Scope of Work and Technical Specifications	69	The list of the 5 drains which are joining the Umkhras river and further identified for treatment.	We would request you to provide annual average flow through all the 5 nos drains in MLD. This would be required to assess the treatment parameters.	Provided at Annexure-I.
9			<ol style="list-style-type: none"> 1. Pomdngiem Drain (Also referred as Wah Thangsiniang drain) 2. Oakland Drain 3. Lawmali Drain 4. Wahingdoh-Raimohan Drain 5. Polo Drain 2 	Kindly provide the water analysis report for these drains to assess the current contamination load.	Provided at Annexure-I.

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10	Sl. No. 9 of Table, Section 5: Scope of Work and Technical Specifications	72	Providing and application of growth hormone at the time of plantation, supplying and loading bio media, etc. complete for one time commissioning through IP holder	We understand that bio culture of any reputed make shall be allowed. Please confirm.	Yes, provided the proposed make is in line with the design of CSIR-NEERI or the same is part of list of approved makes by CSIR-NEERI (if any).
11	-	-	-	The wastewater quality/ Characteristics is not indicated in the tender specification. Based on the contamination level, every process unit in the treatment scheme suggested can be evaluated. Request you to kindly indicate the wastewater quality for all the drains.	Provided at Annexure-I.
12	-	-	-	The drawings provided in the tender specification are not readable. Request you to kindly provide us with readable drawings.	Soft copy of the drawings is given at Annexure-II
13	-	-	-	The flow capacity of each drain is not provided in the tender specification. This is required for the dosing and process unit sizing calculation. Request you to kindly provide us the same, to start working on the tender.	Provided at Annexure-I.

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14	-	-	-	<p>Points where we are requesting for exemption / Acceptance for deviation</p> <p>1. Similar project of one single project of 80% of value 22.97 Cr or 2 projects of 40% value each is required.</p> <p>2. Financial Turnover – in March 2020 should be 6.89 Cr</p> <p>3. Solvency for 10% of contract value i.e. 2.29 Cr is required</p>	As per RFP.
15	-	-	-	<p>Considering the relaxation norms for MSME provided by the Ministry of finance, request you to waive the requirement of experience, Turnover requirement and solvency certificate requirement for our company.</p>	No change, as per RFP.
16	4.3.1(b)(i) of ITB	9	The lead partner shall meet the 75% qualification criteria. The other partner shall meet either 26% of turnover qualification criteria or 25% of the project experience criteria.	This should be made flexible as technology is the main criteria for cleaning of waste water	Please refer to clarification at Sl. No. 2.
17	4.4(ii) of ITB	10	Average annual financial turnover from construction works should be at least 30% of the estimated cost during last 3 financial years ending	Since Technology is the main stay, financial turnover should not be a	As per RFP.

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			on 31 st March of the previous financial year to be supported by certificate by Chartered Accountant and Audited Annual Accounts for the said period.	constraint and consideration should be given to reduce it to 5%.	
18	17.1 of ITB: Alternative Proposals by Bidders	15	Bidders shall submit offers that comply with the requirements of the bidding documents, including the Bill of Quantities and the basic technical design as indicated in the drawings and specifications. Alternative proposals will be rejected as non-responsive.	This needs to be amended to incorporate all the technologies falling under bioremediation / Phycoremediation. As per our detailed study since last 2 years of Umkhrah, the technology meant to be followed in the tender is cumbersome, impractical, costly and extremely difficult to implement in Shillong region. The technology which needs to be followed should be well debated by the technical committee of the state including Meghalaya State Pollution Control Board.	As per RFP, the technology put to tender is RENEU by CSIR-NEERI. No change is contemplated to this effect.
19	30.1(a) of ITB: Award Criteria	19	Method of selection shall be Quality cum Cost Based Selection (QCBS) with 70% weightage to be accorded for technical and 30% for financial.	The weightage to various biotechnology technologies needs to be worked out according to their efficacy, least hurdle to everyday life of civilians, least disruption to water flow, least amount of chemicals used, carbon negative, least disturbance to	As per RFP.

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				ecology and revenue systems. Currently none of them have been prominently taken into consideration in this tender. The preference should be given to the bidders who have worked in Meghalaya on river water cleaning / rejuvenation projects.	
20	List of Important Facts and Dates, Notice Inviting Tender, etc.	2, 3 etc.	Deadline for receiving bids: 12 th July at 15:00 hrs	Considering the points mentioned above, especially point 3 and keeping in mind the covid situation, the deadline should be further extended by approximately 45 days.	The deadline for receipt of Bids is now rescheduled to 28 th July, 2021 (upto 15:00 Hrs). Accordingly, the Time and Date for opening Technical Bid/Bids is rescheduled to 15.30 Hrs, 28 th July 2021.
21	4.3.1(b)(i) read together with Clause 4.2.1	9	Maximum no of partners in a JV should be 2 (1 Lead Partner + 1 Member)	Refer Clause 4.2.1 wherein it is stated that the Bidder can submit a signed MOU with recognized technical institute or their authorized licensee...to assist contractor... (a) Is a JV of Construction Firms with no prior specific experience in bioremediation but having a signed MOU with a 'technical institute" allowed? (b) Can a Technology Provider be other than a 'recognized technical institute' or their 'authorized licensee'? (For example, a limited company?)	(a) Please refer to clarification at Sl. No. 2. (b) Any technology provider, who is authorised licensee of CSIR-NEERI for implementation of knowhow and commercialisation and dissemination of RENEU technology, is allowed.

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22	4.3.1(c) of ITB	9	Payments to Lead Partner only	Can Payment be made to an Escrow account of a Lead Partner with Other Partners?	As per RFP.
23	4.4(a)(ii) of ITB	10	Turnover from Construction Works	(a) Does it apply to all members of the JV or to only a member undertaking the construction works? (b) In Clause 4.6, how is the % participation in the JV to be quantified? Turnover criteria/Scope of Works? Not clearly specified.	(a) Please refer Clause 4.3.1(b) of ITB, wherein minimum qualification criteria by all JV members (i.e. lead partner and non-lead partner) are specified. (b) Clause 4.6: The Assessed Available Bid Capacity of the JV will be assessed in the proportion of participation by the members in the JV.

Annexure-I: Flow and water quality in the 5 drains/ nallahs

SN	Name of the drain/ nallah/ stream	Flow before discharge (MLD)	pH (Value)	COD (mg/litre)	BOD (5 day, 20 degree C, mg/litre)	Total Nitrogen (mg/litre)	Total Phosphorus (mg/litre)	Total Suspended Solid (TSS) (mg/litre)	Total Dissolved Solid (TDS) (mg/litre)	Faecal Coliform (MPN/ 100ml)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1	Pomdngiem Stream	4.29	7.05	111	40	10.00	0.81	14	120	>542
2	Oakland Drain	5.52	7.09	189	65	25.00	7.88	81	213	>542
3	Wahingdoh-Raimohan Drain	25.65	7.04	321	104	32.00	13.18	117	225	>542
4	Polo Drain 2	3.00	7.01	120	75	10.50	7.50	112	179	>542
5	Lawmali Drain	1.00	7.05	105	55	8.00	4.50	76	210	>542