

Replies / Clarifications for the queries raised during Pre-Bid Meeting held on 11-3-2016 and subsequent mails in response to the Tender of "Remediation works of Noor Mohammed Kunta"-Kattedan Industrial Estate (KIE), (NCB No: 003/TSPCB/CBIPMP/NMK Works/2016) floated by Telangana State Pollution Control Board (TSPCB).

These replies / Clarifications to be considered part of the original bidding documents and is an addendum to the original bidding documents.

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1	11	Clause 4.2 In the event that qualification of potential bidders.	We understand the stated clause is not applicable as there is no pre-qualification. Kindly Confirm.		There is No Prequalification.
2	11,15	Clause 4.3 (b) & (c), Clause 4.5 (a) & other relevant clauses of qualification	We request that for the purpose of qualification criteria and similar contract (i.e. construction work/civil work/similar naturework/remediation work, etc) in various clauses " Dredging Work " shall be considered.	As the essential work proposed under the floated tender is the dredging work. This will increase the number of participants and therefore Employer will get quotes which are cost effective.	Dredging works are included of similar nature of work and is mentioned in clause 4.5 (b)

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3	15	<p>b) Dewatering is the removal of water from sediment with the use of flocculants, electrolytes and/or bags or tubes of geotextile, with the aim to contain the polluted sediments within those bags or tubes.</p>	<p>We request that dredging work by using flocculants with aim to dewatering of the sediments and thereby to contain the sediments within the open containment cells shall also qualify for this. Kindly confirm.</p>	<p>As the open containment cell filling is similar to filling of large geo bags.</p>	<p>Open containment cell filling is not considered to be similar to the filling of large geo tubes or bags.</p> <p>Contents of the clause holds good</p>
4	15	<p>c) A "Containment cell" means a remediation facility including a bottom liner and closing top liner that is designed to receive polluted sediments or soil in such a way that complete containment of this polluted material in the closed</p>	<p>We understand that sediments received at landfill area which is prepared as per MSW guidelines would be considered for this clause.</p>		<p>Contents of the clause holds good</p>

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		containment cell can be guaranteed.			
5	15	<p>Clause 4.5 (a) achieved, in the last five years, a minimum annual financial turnover (Experience under construction contracts related to the lake remediation) of Rs.38 Crores (Rupees forty crores only)@ - in any one year during the last five years. Balance Sheets and Profit and Loss Statements shall have to be submitted by the bidder as proof of the same.</p>	<p>(1) We understand the value of work is 38 crore. Kindly confirm.</p> <p>(2) We request revenue from dredging work shall be considered for "Experience under construction contracts related to the lake remediation".</p> <p>(3) We wish to submit that the balance sheet & profit & loss account of a diversified company do not reflect the revenue of a particular activity as it provides consolidated revenue of the company from various activities.</p> <p>Therefore, we request</p>	<p>•Please refer page no. 39 of the tender document which allows certificate from Chartered <i>Accountant</i>. "<i>Attach certificate from Chartered Accountant.</i>"</p>	<p>The value is 38 Crores (Thirty Eight Crores only).</p> <p>Lake dredging works are included in the list of works.</p> <p>Chartered Accountant certificate shall be produced with certified balance sheets, profit and loss statements as per tender conditions.</p>

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			that a certificate issued by a Chartered Accountant stating revenue from dredging activities during last 5 years shall be considered as a supporting document for this clause.	
6	15	Clause 4.5 (a)of value not less than Rs. 18 crores (Rupees twenty crores only) @ in any one year during the last five years.	We understand that this is a typo and this should be 18 crore. Kindly confirm.	To clarify for Clause 4.5 A (a) figure for annual financial turnover is 38 Crores (Rupees Thirty Eight Crores) and Clause 4.5 A (b) work completed as a prime contractor (or as sub-contractor duly certified by the Employer / main contractor) at least one similar work (lake remediation or dredging) of value not less than 18 crores (Rupees eighteen Crores only) at any one year during the last five years.

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7	16	<p>Clause 4.5 (e) HDPE Liner laying, welding and installation experience for construction of containment cell of quantity 20,000 sq.m for single bidder or JV together.</p>	<p>We request you to kindly reduce the quantity for single entity from 20,000 cum to 10000 cum.</p>		<p>Contents of the clause holds good</p>
8	16	<p>Clause 4.5 (e) De watering of sediments with the use of flocculants /electrolytes and/ or bags of tubes of geotextile with the aim to contain the polluted sediments within those bags or tubes for a total quantity of 20,000 cum for single bidder or JV</p>	<p>We request that dredging work by using flocculants with aim to dewatering of the sediments and thereby to contain the sediments within the open containment cells shall also qualify for this.</p> <p>Kindly confirm.</p>	<p>As the open containment cell filling is similar to filling of large geo bags.</p>	<p>Open containment cell filling is not considered to be similar to the filling of large geo tubes or bags.</p> <p>Contents of the clause holds good</p>

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		together or identified sub-contractor.		
9	17	Section 1 Clause: 1. General Qualification Sub clause: 4.5 : Experience Pontoons - 10 No. or in a number sufficient to provide 2 times a free working platform of at least 20 sq.m and a bearing capacity sufficient to transport an hydraulic excavator.	<p>We understand that sufficient depth of water is available to float pontoon after loading the hydraulic excavator on it.</p> <p>We wish to submit that shallow water will result in grounding of pontoon and making the excavator idle. Hence, instead of making this clause as condition it should be the responsibility of the bidder to ensure that the scope of work is completed.</p>	<p>Pontoons are considered to be key / critical equipment for this kind of project. As such Contractor has to provide proof of availability.</p> <p>However it remains the responsibility of the bidder / contractor to ensure that the scope of work is completed.</p> <p>Equipments to work in shallow depths are also available.</p>
10	17	Section 1 Clause: 1. General Qualification Sub clause: 4.5 : Experience	(1) We understand that one number Cutter Suction Dredger (CSD) with minimum capacity of slurry of 350 cum per day would suffice. Further, dredging	Contents of the clause holds good

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		<p>1. Dredger equipped with an auger head The actual operation and movement of the dredging equipment should be computer guided on the basis of this</p> <p>2. Hydraulic dredger with auger head and with a daily capacity of at least 350 cu.m per day, including sufficient floating pipelines to transport the sediment slurry – 01 No.</p>	<p>operations to be carried out with auger head.</p> <p>Kindly Confirm.</p>		
11	17	<p>Section 1 Clause: 1. General Qualification Sub clause: 4.5 :</p>	<p>Kindly provide the pumping distance i.e. distance from dredging location to geotextile tubes.</p>	<p>The distance is the most important parameter to configure the dredger and its fuel consumption.</p>	<p>The placement of geotextile tubes is as per the drawings given in the bid document.</p>

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		<p>Experience System consisting of pumps and pipes, which is at least able to pump a minimum amount of 350 cu.m of sediments per day and additional required volumes of process water and flocculants/electrolytes with appropriate pressure in the tubes of geotextile .</p>			
12	17-18	<p>Clause: 4.5 (B) (a)</p> <p>- Hydraulic excavator 1.5 cum bucket size - 2 No. or in a number sufficient to handling up to 800 cum per day.</p> <p>- Tippers 5 cum - 5 No. or in a number</p>	We understand that the equipment can be hired and the tenderer shall to produce consent letter from the owner of these equipment at the time of bid submission.		The equipment's can be owned or hired as given in the bid documents

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		<p>sufficient to handling and transporting up to 400 cu.m per day</p> <p>- Trucks 10 t - No. 10. Or in a number sufficient to handling and transporting up to 800 cu.mper day.</p> <p>- Complete set of welding and laying equipment for HDPE liner, set should have at least a capacity to install 1,500 sq.m of liner per day - 2 No.</p> <p>- Soil compaction rollers (5-15 ton) - 2 Nos</p> <p>- Hydraulic excavator with 1.5 m3 bucket – 2 nos</p>			

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		<ul style="list-style-type: none"> - 2 tonnes flat vibratory roller – 2 nos - 2 m3 front end loaders, loader backhoes – 2 nos - 3 m3 Water Tankers for amongst others dust prevention – 2no.s - 10 tonnes bull dozers – 1 nos 			
13	16, 19	<p>Financial Capabilities</p> <p>(1) The bidder shall submit along with the bid a banker's certificate (only as per format attached) that it has available cash credit facility</p>	We understand that the above clauses are same and the value shall be 7 crore.		It is INR 7.9 crores.

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		<p>equivalent to minimum INR 7.9 crores specifically obtained for the purpose of this bid.</p> <p>(c) Liquid assets and/or availability of credit facilities of no less than Rs 7 Crores in the format given in Section 2. (Credit lines/letter of credit/certificates from Banks for meeting the funds requirement etc.)</p>			
14	19	<p>Section 1 Clause: 1. General Qualification Sub clause: 4.5 : Experience HDPE Welders – 1 each</p>	<p>We wish to submit that the services of certified HDPE welder will be taken by the Tenderer for HDPE lining jobs. However, the experience and other details will be furnished prior to the commencement</p>		<p>Experience to be provided as per the bid documents</p>

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			of the Job. Therefore, we request you to kindly exempt us from submitting the details on the tender submission date.	
15	19	Sub clause: 4.5 : Experience Sr. no. 1& 2	We request you that experience in water treatment plant/port infra/ex-service men shall also be considered for Sr. no. 1&2.	Experience to be provided as per the bid documents
16	19	Sub clause: 4.5 : Experience Sr. no. 3	Specialist provided by geotubes manufacturer should be considered for the Sr. no. 3.	Experience to be provided as per the bid documents
17	20 & 21	Section 1 Clause: 1. General Qualification Sub clause: 4.7 Bidders who meet the minimum qualification criteria will be qualified only if their available bid capacity is more	(1) As the civil engineering works also includes dredging work hence, the value of dredging work shall also be considered for executed and for existing commitments for this clause. (2) We understand that the	Estimated value is the bid value / Approximate value of works – It is Rs 37.1548 Crores. Price levels are calculated as per Financial Year ending in March of every year. The price levels to be brought

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		<p>than the total bid value. The available bid capacity will be calculated as under: Assessed Available Bid capacity = ($A*N*1.5 - B$) where A = Maximum value of civil engineering works executed in any one year during the last five years the completed as well as works in progress. B = Value, at 2015 price level, of existing commitments and on-going works to be completed during the next 1 year (period of</p>	<p>value of total bid is Rs 37.1548 crore as defined on page no. 5 of bid documents. Kindly confirm</p> <p>(3) Please elaborate how the 2015 price level shall be calculated. Further, provide us the exact date on which these 2015 price levels will be considered (for example 31st March 2015 or 31st Dec-2015 etc.).</p> <p>(4) We understand that bidder has to submit the value of ongoing work (Dredging Work) to be completed during one year from bid submission date. Kindly confirm.</p>	<p>to financial year 2016 level by adding 5% annually from the work completed year. Ongoing work and bids likely to be awarded shall be submitted.</p>

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		completion of the works for which bids are invited)			
18	<p>329, 331, 334,34 1, 343, 346, 349</p> <p>72</p>	<p>SECTION 7: Part 1 to Part 9 of BOQ: *: The above prices are exclusive of VAT and LabourCess (while filling the BoQ please mention the exact percentage)</p> <p>Clause 45. Tax 45.1 The rates quoted by the Contractor shall be deemed to be inclusive of the sales and other taxes that the Contractor will have to pay for the performance of this Contract. The</p>	<p>(1) We understand that the Quoted Rates would not include taxes, duties and levies, royalties (i.e. VAT, labour Cess and Service Tax etc.). We wish to submit that the Service Tax is also applicable for the services mentioned in the tender. Therefore, we also request you to kindly modify all the relevant clauses in the tender regarding Taxes.</p> <p>(2) We request that any change in the existing rate of taxes / any new taxes, Duties, fees etc. applicable for the services provided under the Contract from the date 28 days prior to the deadline for submission of bid, shall</p>	<p>It is beyond the capacities of the Contractor to predict and/or provide for any future increase/decrease of taxes in the prices to be quoted now. Also if at all such an attempt is made it would unnecessarily increase the prices. Hence request the Employer to consider that in case of any such eventuality the benefit as well as the cost would be passed on to the Employer.</p> <p>Hence request you to kindly provide that all new taxes, charges, royalties, duties etc or any other levies and any changes to all the existing taxes, duties, charges, royalties,</p>	<p>The final price quoted by the bidder will be inclusive of all taxes and duties, VAT, Labour Cess, levies and royalties etc.</p> <p>Bidder shall specify the taxes and duties in addition and arrive at final bid price and show the calculations in their bid submission in Price Bid form.</p> <p>Any changes in taxes and duties as per government rules and regulations as applicable from time to time will be payable to the bidder.</p>

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	192	<p>Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.</p> <p>m) Taxes and Duties – Contractor to specify the taxes and duties applicable under the contract and mention them separately under the items of BOQ. Other inherent costs are to be borne by the contractor which are not specified in the Cost Estimates.</p>	<p>be paid and borne by the Employer.</p> <p>In view of the above we request you to kindly modify all the relevant clauses as follows:</p> <p>“The rates quoted shall be exclusive of all applicable Indirect Taxes (i.e. VAT, labour Cess and Service Tax etc) and the all applicable indirect Taxes shall be payable by the Employer as on actual and on provision of documentary proof. Further, any change in the existing rate of taxes / any new taxes, Duties, fees etc., for the services provided under the Contract from the date 28 days prior to the deadline for submission of bid, shall be paid and borne by the</p>	<p>levies etc would be borne by the Employer.</p>	

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			Employer."		
19	101	<p>Section 5: Specifications Scope of work Apart from the remediation works the following works will be implemented:</p> <ul style="list-style-type: none"> - construction of fences along the FTL line of the Lake and around the open hillock in KIE, prior to start of remediation works; - construction of a new weir, prior to start of remediation works - Upgradation of the existing STP to 10MLD capacity 	<p>Is "Up gradation of STP to 10 MLD" part of the scope? If yes, is it in the BOQ? If no, will this be carried out as a separate contract?</p>		<p>Up gradation of the STP to 10MLD is not in the present scope of the bid document.</p>

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		along with the remediation works			
20	110	<p>Section 5: Specifications Scope of work Sediment and surface water of NMK Lake</p> <p>Based on the topographic survey and the sediment investigation, the volume of sediments is estimated at 32,317 m³ and the volume of contaminated clay at 13,752 m³</p>	We request you to please arrange to provide the topographic survey data and the procedure/method adopted for differentiating the contaminated clay from the sediment.		The methodology and topographic survey will be provided to the successful bidder.
21	119	Section 5: Specifications Clause 4.2: MMK Lake:	We understand that the activity is linked to the completion of the STP. If there is any delay in STP		No idle time charges will be paid to the manpower and equipments.

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		<p>The sediments in NMK Lake will be removed and contained in cells along the bunds of the Lake. Once the upgradation of the STP and water collection management system have been completed (under a separate Contract), a sand layer will be applied on the bottom of NMK Lake. The application of the sand layer is the final remediation activity under this Contract.</p>	<p>completion resulting in delay in the sand layer activity, the contractor should get Idle Charges for the duration of delay. Hence Idle Time charges for the Man-power & equipment to be included in the BOQ.</p>		<p>However, extension of the contract period will be considered for sand laying activity only without any price escalation.</p>

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22	126	<p>Section 5: Specifications Clause 4.3 :</p> <p>Second Last Para</p> <p>Before dredging of the sediments starts the Contractor has to conduct a continuous survey of the thickness of the sediment layer in Lake NMK and the height and position of the top of the clay layer in this lake. This survey has to result in a digital 3D model of the sediment and clay layer. The accuracy of the 3D model should be such that the thickness of the</p>	<p>Please note that the side scan scanner and sub-bottom profiler for surveys are possible only in the water depths in excess of 5 meters to record interoretable data. High resolution sub bottom profiler's accuracy / resolution is 15 to 20 cms.</p> <p>We understand that the max depth at NMK lake is 3.5 m, hence please suggest alternate (or) you may provide the design depth of dredging required.</p>	<p>Contractor has to do the Sub Bottom Profiling investigation (SBP) as mentioned in the bid documents, which meets the specified accuracy.</p> <p>During selection of the proposed (combination of) methodology (ies) the Contractor has to take into account the shallow water conditions of the site.</p> <p>Contents of the clause holds good</p>

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		sediment at any position in the lake is known within + 3 centimeter of the actual thickness. The position of the top of the clay layer at any position in the lake should be known with an accuracy of + 2 centimeter.			
23	129	<p>Section 5: Specifications Scope of work</p> <p>To guarantee aProcess water pumped back to the Lake has at all times to be within 1.25 times above baseline conditions of the surface water quality of the lake.</p>	<ol style="list-style-type: none"> 1. Does it mean 1.25 times that of NMK surface water or General lake body surface water quality? 2. Please arrange to provide STP out let water quality monitoring parameters, preferably real time observations. 		Contents of the clause holds good

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			Further, can we presume that the discharge from STP ensure the quality of discharge water to lake as per norms?	
24	241	Section 5: Specifications Particular Specification Clause No. 12: On top of the Drainage layer a protective cover of non-woven Geotextile (GSM 250) shall be laid for separating the drainage & vegetative layer.;	We understand that the process may not be appropriate. Kindly review and clarify.	Contents of the clause holds good
25	243	Section 5: Specifications Particular Specification Clause No. 12.2:	If native soil is found not suitable, i.e., organic material is more than 4% or non-stiff or clay.	Clay to be brought from outside as per specifications in the bid documents. No additional payment will be allowed.

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		<p>Methodology</p> <p>Soil material used for the fill layer shall be free of any material with particular seize above 5 centimeters. The content of organic material shall be less than 4%.</p>	<p>Suggest alternative site to calculate the lead & cost of material supply</p>		
26	244	<p>Particular Specifications, Clause 3.4 Permits and Licenses</p> <p>Unless otherwise explicitly stipulated in these specifications, all permits and licenses necessary for the proper execution of the Works shall be secured by the</p>	<p>We request all permits and licenses and approvals is the responsibility of the Employer, however the Contractor shall assist the Employer in procuring such approvals and licenses, permits for the work under this Contract.</p> <p>Hence we request the various clauses in the Tender to be modified suitably.</p>	<p>Also, as the Contractor will be performing its obligations under the directions/instructions of the Owner and thus responsibility of providing the required permits, licenses and approvals is of the Owner.</p>	<p>Applicable permits shall be obtained by the Contractor However, Client will provide assistance.</p>

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		Contractor at its own expense.	Further, please provide us the list of licenses & approval required for the work to be carried out under the Tender.		
27	263	Section 5: Specifications Particular Specification Clause No: 13.1 General For this reason it was decided not to remove the clay layer and to protect its integrity by all means	While dredging with precision its necessary to hold the dredger by anchors or crawlers on ground to maintain the location. Hence clay layer may get disturbed from its original profile.	Amend suitably	Contents of the clause holds good
28	270	Section 5: Specifications General Items Clause: 14.3 On Drawing No. IND50-1/05 details are presented about	Soft copy of the tender document available on your web is not having Drawing No. IND50-1/05, please provide. Further, please arrange to		Drawings to be purchased by bidder. With regard to requested correlation reference is made towards the tables presented on pages 270 until 287, the

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		<p>the way the monitoring wells have to be constructed. The position of the required monitoring points is presented in Figure 1 of Section VII General Items and more detailed information on position and depth is presented in the following table. In an additional table the required number and type of analysis for groundwater, sediment and soil have been presented. In addition to these analyses also air samples have to be</p>	<p>provide the correlation between Position of required monitoring points and number of, type of analysis for ground water, sediment and soil.</p>	<p>map presented on page 157 and the tables presented on page 159 until 170.</p>

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		taken and analyzed as described in the General Items of section 5			
29	325	BOQ: Item No. 105: Refer drawing IND 50-1-5-11	Practically it is tough to lay clay in underwater i.e. in front of a gabion with a slope of 1:3.		It should be executed as per drawings. Contents of the clause holds good
30	346-347 349	SECTION 7: Bill of Quantities SL no 906: Summary of Operation and Maintenance Costs for 5 Years: Total Operation and The rate shall include all labour, material, plant and machinery, equipments, tools and tackles, fuel oil,	It is beyond the capacities of the Contractor to predict and/or provide for any future increase/decrease of taxes in the prices to be quoted now. Also if at all such an attempt is made it would unnecessarily increase the prices. Hence request the Employer to consider that in case of any such eventuality the benefit as well as the cost would be passed on to the Employer. Therefore, we request you	This is a standard industry practice that the rates are quoted exclusive of Taxes and duties and the all applicable Indirect taxes are paid by the Employer.	The final price quoted by the bidder will be inclusive of all taxes and duties, VAT, Labour Cess, levies and royalties etc. Bidder shall specify the taxes and duties in addition and arrive at final bid price and show the calculations in their bid submission in Price Bid form. Any changes in taxes and duties as per government rules and regulations as applicable

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		<p>incidental charges, taxes and duties and other operation charges in totality complete</p> <p>Note: The prices for items mentioned from Sl.No.1 to 7 are inclusive of Vat, LabourCess and Project Contingencies and for Sl.No.8 & 9, the prices are inclusive of Vat % and LabourCess (while filling the BoQ please mention the exact percentage)</p>	<p>to kindly exclude the taxes and duties from the quoted rates. Further, the same shall be payable by the employer.</p> <p>This is in line with the query at SL no 18 above.</p>	<p>from time to time will be payable to the bidder.</p>
31	350	SECTION 7: Bill of Quantities DAY WORK RATES	Tenderer to quote prevailing rates. The quoted rates will be	No escalation of rates of items will be permitted during the entire tenure of the contract

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		(TO BE QUOTED BY CONTRACTOR):	escalated based on the Cost of Living Index.		including any extension of contract even due to some un avoidable circumstances.
32	351 353	SECTION 7: Bill of Quantities Schedule of Day Work Rates - Construction: Materials Schedule of Day Work Rates - Construction: Equipments	Tenderer to quote prevailing rates as on the date of bid submission. However, the same will be escalated based on Schedule of Rates (SOR) of any states/central Government percentage of increase.		Day work rates will also remain fixed as the item rates are for the entire duration of contract.
33	General		We understand that both price bid & technical bid to be submitted in single cover.		Yes
34	General	General Query: Geo tube, geo synthetic materials etc	Please Confirm/provide us the applicability of import duty for items mandatorily requires to be imported. Please also specify if any exemption is available on imported items for this project being		Refer clause No.13.3 of Instruction to Bidders (ITB) and also the format given in the tender. Contents of the clause holds good

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			environmental project.		
35		Additional Query	<p>Kindly Clarify :</p> <p>(A) the meaning of "Authorized disposal facility"</p> <p>(B) Provide approved tariff of the disposal facility for disposal of Municipal Solid Waste, Bio Medical Waste, Hazardous Waste – This will provide common understanding of rates to all bidders and provide more clarity while representing the prices. If in case of any increase in tariff by Government / Government body same will be reimbursed to the contractor.</p> <p>(C) We request the Employer to advise the</p>	<p>We understand from CPCB web site that there is only ONE Authorized disposal facilitator for Hazardous Waste TSDF.</p> <p>To have fair bidding practice and common understanding among the bidders, our suggestion may please be accepted.</p>	<p>The disposal rates for MSW and BMW may be obtained by the bidders.</p> <p>The rates given by the TSDF operator M/s.Ramky along with the analysis results are placed in the Annex-1 and the bidders to quote the price based on their self-assessment of the quantities. The unit rate for transportation cost per KM / Ton may be arrived from the price quoted.</p>

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			<p>disposal facilitator to receive the disposal of various sediment/waste from the project site. Payment for the same will be borne by the contractor as per the approved rate.</p> <p>(D) We understand from the document that the disposal facility is within 5 KM, if there is any increase in distance, Employer will pay for additional distance on pro-rata basis over and above 5KM.</p>	
36	63	<p>Conditions of Contract</p> <p>12. Contractor's Risks</p> <p>12.1 All risks of loss of or damage to physical property and of personal</p>	<p>(i) We request that as the Contractor would be performing its services under the directions and instructions of the Employer, any damages to the Employers property and any third party property shall be the responsibility of the employer and the</p>	<p>The World Bank General Conditions of the Contract holds good</p>

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore		Replies / Clarifications
		injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.	Contractor shall be indemnified thereof, unless such damage or injury is caused due to Contractor's gross negligence or willful misconduct. (ii) Further, it is a standard industry practice that the contracting parties shall indemnify each other for loss or damage to their respective properties and injury or death of the respective personnel irrespective of however the said loss or injury occurs except in cases of gross negligence or willful misconduct of the concerned party. Hence, we request indemnity clause on Knock to Knock basis as per standard industry practice.		
37	76	Conditions of Contract	The Employer shall have the right to terminate the	The Asset to be deployed for this project is highly	The World Bank General Conditions of the Contract

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore		Replies / Clarifications
		<p>Clause 59.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.</p>	<p>Contract only in case of breach of contractual obligations.</p> <p>Hence request deletion of clause 59.4</p>	<p>capital intensive and specialized in nature. Further, finding alternate deployment for these assets would be difficult and also in the event of Dredger is idle, the Contractor shall incur losses.</p> <p>Hence, we request that Employer shall not terminate the Contract for Convenience.</p>	<p>holds good</p>
38	76	<p>Conditions of Contract 59.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.</p>	<p>We request that the Contractor shall give a cure period of 30 days for rectification of breach of contract, If the Contractor fails to rectify the breach during the said period, the Employer shall have the right to terminate the contract.</p>	<p>We request for a cure period for rectification of breach of contract before the Employer exercises its right of termination.</p>	<p>The World Bank General Conditions of the Contract holds good</p>
39	63-64	<p>Conditions of Contractor</p>	<p>We understand that following insurance policies</p>		<p>The list of policies as per bid documents are considered to</p>

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore	Replies / Clarifications
		Clause No.13. Insurance	<p>would suffice the requirement</p> <p>(a) Hull & Machinery Policy (b) Workmen Compensation Policy (c) Contractor all risk policy</p> <p>Further we kindly submit that no policy available in INDIA that will cover risks associated with water front. We request you to kindly confirm our understanding.</p>	<p>fulfill the requirements.</p> <p>However contractor / bidder need to check and confirm any other policy needs to be taken / any additional cover as deemed fit for the project requirements. The contents of the bid document holds good.</p>
40	85	Special Conditions of Contractor ClauseNo.5. PROTECTION OF ENVIRONMENT:	<p>We understand that the risks under Environmental Protection is covered under the Public Liability Insurance policy. Hence, we request you to accept Public Liability Insurance policy.</p>	<p>Sufficient and necessary Insurance to be considered & provided by Contractor / bidder. The contents of the bid document holds good.</p>
41	91	Contract Data Insurance requirements are as under:	<p>We request you to delete "At least equivalent to contract amount" and amend as "Minimum Cover</p>	<p>Sufficient and necessary Insurance to be considered & provided by Contractor / bidder.</p>

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore		Replies / Clarifications
		Works and Plant and Materials: Minimum Cover for Insurance	for Insurance: At least equivalent to the value of Plant and Materials". We understand Dredger is defined as Plant.		The contents of the bid document holds good.
42	120	Contractor's responsibility Second Paragraph Bidders are responsible and accountable for overall stability and performance of the entire construction works of the Remediation Works (as specified in these tender documents) and shall take a guarantee of successful completion of works with Defect Liability	Please clarify the maintenance period of 5 years commences immediately on completion of works.		Operation and maintenance period commences immediately on completion of the defect liability period.

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore		Replies / Clarifications
		period of 1 year and further Operation and Maintenance (for at least 5 years) as per the applicable guidelines (including latest revisions) and standard design practices.			
43	275	14.3 Installation of monitoring wells & bores	<p>(1) Kindly clarify meaning of following:</p> <ul style="list-style-type: none"> - Project phase, - During project implementation - After project implementation <p>(2) Further, kindly clarify the periodicity for stated sample collection i.e. time period between two sample collection.</p>		With regard to periodicity for stated samples, references is made towards the tables presented on pages 270 until 287, the map presented on page 157 and the tables presented on page 159 until 170.
44	Page. No.72,73 clause.n	Escalation & price adjustment	Principle acknowledged. Exact formula required. But Clause 13.4 and page 23 says prices are fixed.		Prices are fixed. No price variation or adjustment clause is applicable. The clauses in tender for Price variation or

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore		Replies / Clarifications
	o.47				price adjustment stands deleted.
45	General	Permits & Licenses	The Employer should obtain all necessary dredging and environmental approvals. Kindly confirm all applicable dredging and environmental permits are in place prior to award of the contract. The EIA (to be provided by the Employer) need to have reviewed for any restrictions on the execution of the Works. Any delay in the issue of a permits/license should be a Compensation Event.		Applicable permits shall be obtained by the Contractor However, Client will provide assistance. Delays will not be considered as a Compensation Event
46	Pg.no.94	Advance payment & payment terms	We request you to provide 10% advance against BG. Provide us the breakup of payment terms for the duration of the contract		The contents of the bid document holds good Advance payment is for site mobilization and for the

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore		Replies / Clarifications
					<p>procurement of material for the project.</p> <p>Subsequent payments against completion of works duly certified by Engineer in charge and PMC Consultants</p>
47	General	Unavoidable consequence of execution of the Works	Employer is to be liable for the unavoidable consequence of the execution of the Works and this to be an Employer Risk. Contractor will mitigate any impact on third parties as much as possible but Employer is responsible for any such claims for compensation.		Conditions of the contract holds good.
48	General	Adjudicator	The chosen adjudicator is completely unknown nor is there any terms of reference for how the adjudication is to be carried out.		<p>Adjudicator will be finalized with mutual consent of the successful bidder.</p> <p>The adjudication will be as per the World Bank guidelines</p>

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore		Replies / Clarifications
49	General	Change in Legislation	<p>To qualify that any change/variation in taxes and duties due to government regulations is to be a Compensation Event.</p>		<p>The final price quoted by the bidder will be inclusive of all taxes and duties, VAT, Labour Cess, levies and royalties etc.</p> <p>Bidder shall specify the taxes and duties in addition and arrive at final bid price and show the calculations in their bid submission in Price Bid form.</p> <p>Any changes in taxes and duties as per government rules and regulations as applicable from time to time will be payable to the bidder.</p>
50	General	Performance Bond	<p>The Contract should include an unfair calling clause as per FIDIC 1999 Clause 4.2. The Performance Guarantee must have an expiry date not more than 28 days after the Date of the</p>		<p>The World Bank General Conditions of the Contract holds good</p>

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore	Replies / Clarifications
			expected date of the issue of the Taking-Over Certificate.	
51	General	Working Hours	The working hours are not mentioned,	The contents of the bid document holds good
52	Scope of work	Page no.101, Remediation works of NMK-KIE	Construction of fences along the FTL line of the Lake and around the open hillock in KIE, prior to start of remediation works; kindly clarify the scope of work and include the BOQ of the same in the Section-7	The construction of the fences is not within the scope. However temporary fences as required under remediation project is under the scope of bidder / contractor.
53	Scope of work	Page no.101, Remediation works of NMK-KIE	Construction of a new weir, prior to start of remediation works, kindly clarify the scope of work. Please confirm the item whether it is covered in the given BOQ.	It's not within the scope of bidder.
54	Scope of work	Page no.101, Remediation works of NMK-KIE	Up gradation of the existing STP to 10 MLD capacity along with the remediation works. We presume that	It's not within the scope of bidder.

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore	Replies / Clarifications
			this is not a part this tender and no bearing of taking over of the plant after successful completion of the project	
55	Scope of work	Regarding Laboratory	Tender specifies requirement of laboratory setup at site. It is not mentioned what parameters to be analyzed/measured. Kindly clarify to consider the laboratory equipment required.	Contractor to specify minimum laboratory equipments for the testing parameters that can be tested on site using standard testing kits. Alternatively the required samples can be sent to a certified laboratory off site.
56	Clausen o:13.6, Page No:152 of Technica l Spec.	Energy Supply	We understand that, Power supply at one point during construction shall be provided by Client and from that point Power distribution will be Contractor scope. Please confirm	The contents of the bid document holds good Temporary Power supply connection to be obtained from the TSCPDCL at the cost of contractor. Client will provide assistance for getting the required power connection.
57	BOQ,Sl. no:418,	Fire fighting System	This clause says MCC Panel, Electric pumps etc	All electrical works will be provided by the Contractor

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore		Replies / Clarifications
	page no:319 of tender spec.		shall be provided for firefighting system, we understand that, power supply for the said panel including supply & termination of cable up to MCC Panel incomer will be provided by Client, kindly confirm.		during construction phase and operation phase.
58	General	Technical Specification	Kindly furnish technical specification for MCC, Cables, Pumps & motors etc for fire fighting system.		All cabling work and MCC shall be of standard good quality approved make and got approved from Engineer in charge before execution of works. Contractor to specify the same in his bid submission.
59	BOQ Sl.no:80 2,page no:344 of tender spec.	Power charges	Power charges mentioned @ Rs.13/KWH per day for 1year shall be quoted, If power units will be more than above during plant running, for extra units, power charges will be payable by Client and if power tariff increases by		The contents of the bid document holds good No extra power or power tariff will be payable to the contractor other than quoted by the contractor / bidder.

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore		Replies / Clarifications
			Govt. of Telangana during the execution period Project, the difference amount due to increase in power tariff shall be payable by Client, kindly confirm.		
60	BOQ Sl.No: 902, Page No:345 of tender Specification	O&M of irrigation pumps & Irrigation System (Sprinkler, Hydrant, Valves & Appurtenance)	Kindly furnish Spares quantity for Irrigation Pumps Sprinkler, Hydrant, Valves & Appurtenance		Contractor has to assess requirement of spare parts for five years and provide a list of spares considered in the bidding documents at the time of bid submission.
61	General	Drawings	Please provide the Equipment Lay out, P&ID & SLD		Tender drawings are provided to the Contractor / bidder. However, the contractor has to provide detailed equipment lay out, P&IDs & SLDs for approval of Engineer in charge and Consultants.
62	Page no 158 table-2	Monitoring details	Please confirm the frequency of monitoring		References is made towards the tables presented on pages 270 until 287, the map

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore	Replies / Clarifications
				presented on page 157 and the tables presented on page 159 until 170
63	General	Man power during Operation and Maintenance (O&M) period	Please confirm the minimum man power requirements during the O&M period location wise and their experience.	Contractor has to assess and propose minimum requirements manpower and their qualification in his bid submission.
64	Page no 174 clause 19.1	Field laboratory	Requirements of field laboratory is temporary structures or permanent RCC structure. Is there any provision to use existing buildings during the O&M period for laboratory purpose	At the cost of the contractor
65	General	Existing structures	Please confirm any re-routing of existing structures	No re-routing of existing structures. The contents of the bid document holds good.
66	General	Temporary access roads	We presume temporary access roads to the works place is a part of BOQ, , please confirm	It's a part of BoQ. The contents of the bid document holds good
67	General	Specification for 2 mm HDPE sheet	Please indicate the specification /Data sheet for 2mm HDPE sheet	Reference to Requirements and Specifications for HDPE membrane / sheet (2 mm) is

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore	Replies / Clarifications
				made in pages 219 until 223 of the bidding document.
68	General	Rainbow Technique	Some of the items related to sand activity we need to apply Rainbow technique. Could you please specify which are the Sr. No. of BOQ we need to consider the Rainbow technique.	Section 5 - S. No. 501 of the BOQ as per Bidding documents.
69	Page no 330 BOQ S.no - 205	Disposal cost of Biomedical waste lead	Please confirm the lead (distance) for the disposal of Bio medical waste.	The lead distance is 60 KM
70	Page no 331 BOQ S.no - 207	Disposal cost of Hazardous waste lead	Please confirm the lead (distance) for the disposal of Hazardous waste.	The lead distance is 60 KM
71	Page no 333 BOQ S.no - 309	Construction of check wall	Any reinforcement requirements to be considered for the wall, and also please confirm the requirements of check valves, whereas BOQ is silent on the same, whereas the valves are	The bidder has to take the cost of the check wall and the valve while quoting the bid price.

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore	Replies / Clarifications
			indicated in the drawing.	
72	Page no 333 BOQ S.no - 310	Supply and installation of steel pipe	Please confirm the length of pipe. As per drawing diameter of pipe is 300 mm, please confirm the material of construction of pipe	Length of pipe will be 1.5 meter for each pipe. Material of construction SS 316. Check Valve (NRV) to be provided on one side of standard specification also of SS 316.
73	Page no 340 BOQ S.no - 417	Irrigation system	Could you please indicate typical arrangement of irrigation system with requirements of pre-treatment for clarity	S. no - 417 cover monitoring wells. S. No – 416 is the Irrigation System item. Detailed arrangement for irrigation system and pre-treatment arrangements have to be designed and provided by the Contractor for approval.
74	Page no 345 BOQ Sno - 901	Regular sampling and monitoring - Suite no -6 analytical tests	Analytical tests are required for one year or five years period, please confirm.	Analysis for suite no - 6 are required for O&M period
75	Page no 345 BOQ Sno -	Power consumption	Please specify the power consumption units per year. Otherwise please specify the equipments list	Contractor has to assess and specify the power consumption and the power costs in the

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore		Replies / Clarifications
	905		and their loads to arrive he power consumption per year		Item of BOQ. It will be a part of contract.
76	Cl.no.61	Vesting of the plant	NIT covers LD, Risk & Cost and compensation clearly indicated which is sufficient to take care. Specialized equipment and other equipments brought to the site are the property of tenderer only. Other materials if any, brought to site for which client has fully paid shall only be the property of the employer.		The contents of the bid document holds good
77		Defect Liability period	The defects liability period should r at least amended to exclude dredging works.		The defects liability period includes for the total works.
78	General	Completion certificate	Kindly provide us the procedure to issue completion certificate		A completion certificate will be issued by the Engineer In charge and the PMC Consultants once all the activities as per the bidding documents are completed to their satisfaction. From the date of issue of Completion

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore		Replies / Clarifications
					certificate the Defect liability period starts. After the End of defect liability period of one year the O & M period starts for 5 years.
79	Clause 8.1		Contract Clause 8.1 states The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer between the dates given in the Schedule of Other Contractors. The Contractor shall as referred to in the Contract Data, also provide facilities and services for them as described in the Schedule. Can the Employer provide the Schedule of Other Contractors or alternatively indicate what other contractors may be present on the Site during the execution of the Works?		The NMK Lake remediation works is expected to be executed along with the STP Up-gradation works and Weir Construction works.

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore	Replies / Clarifications
80			We want to understand the procedures adopted in installing the wells during the assessment phase	The Piezo wells were installed using hand auger. The procedure will be shared with the successful bidders.
81			how many wells will need to be abandoned during dredging or remediation works and what is the procedure for abandonment	No wells will be abandoned during the works
82			What equipment needs to be used for well installation? Should a mud rotary method be used (which could result in cross contamination) or do you require a hollow stem augur method of installation? How are vendors going to make sure they do not punch through the clay layer which is important to this project? Are conductor casings required when drilling and installing wells past the clay layer? The well construction drawing in the bid document is not available on line, can you please provide that?	Drawings will be provided by the Client to the successful bidder. However, the Contractor has to submit methodology for approval.
83			How many soil samples are required during well installation? Do you require soil core samples to further characterize the soil lithology?	The tables provided on pages 270 until 287 and the map on page 157 and also the tables on page 159 until 170 may be considered.
84			Can we bid on each well to be installed rather than on total length of the wells? If additional wells are required then an accurate unit cost will be available to TSPCB for requesting additional wells.	Bid has to be on total length of wells quoted per unit rate of length of well installation.

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore		Replies / Clarifications
85			In the bid document you recommended HDPE pipe for the wells. We would like to recommend Schedule 80 PVC for this site. Please modify the well materials.		The contents of the bid document holds good
86		<p>Page 239 : Clause 11.2:</p> <p>Page 304: Sr.no 313: Part 3: Containment of sediments from Lake NMK and KIE</p> <p>Page 307: Sr.no 314: Part 3: Containment of sediments from Lake NMK and KIE</p>	<p>Mentioned as "Characteristic opening O90 according to EN ISO 12956 250µ".</p> <p>Amendment: "Characteristic opening O90 according to EN ISO 12956 250µ to 350µ".</p>	<p>In order to maintain the flow rate required the geotextile tube needs to be fabricated to achieve the desired value, the opening size needs to optimally designed. The geotextile produced will always confirm to a range which can have a minimum and maximum values. In the present case of flow requirement, the maximum being 350µ and minimum of 250 µ.</p>	<p>Characteristic opening O90 according to EN ISO 12956 250µ to 350µ is acceptable.</p>

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore		Replies / Clarifications
87		<p>Page 236: Clause 11.1:</p> <p>Page 304: Sr.no 313: Part 3: Containment of sediments from Lake NMK and KIE</p> <p>Page 306: Sr.no 314: Part 3: Containment of sediments from Lake NMK and KIE</p>	<p>Mentioned as- "tubes of geotextile with a circumference of 9 meter and a length of 27.5 meter".</p> <p>Amendment: Option 1: "tubes of geotextile with a circumference of 9 meter and a length of 26.2m (+0.5m)"</p> <p>Option 2: "tubes of geotextile with a circumference of 9 meter and a length of 30.6m (+0.5m)"</p>	<p>The Geotextile tubes are to be fabricated to suitable lengths by seaming circumferentially multiple panels of equal size (depending on production width) to form the Geotextile tube. In present case we can offer either 26.2m or 30.6m as per above options. The number of tubes may change based on the length selected.</p>	<p>Tube or bag lengths between 26.2 (+0.5m) and 30.6 m (+0.5m) are acceptable.</p>

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore		Replies / Clarifications
88	46	<p>Section 2:</p> <p>FORMS OF BID, QUALIFICATION INFORMATION AND LETTER OF ACCEPTANCE</p> <p><i>Declaration regarding customs/excise duty exemption for materials</i></p>	<p>Notification no. 108/95 dated 28.08.95. (Attached)</p> <p>Draw your attention to clause (c) (ii) states</p> <p>"if the said project has been approved by the Government of India for implementation by the Government of a State or a Union Territory, a certificate from-the executive head of the Project Implementing Authority and countersigned by the Principal Secretary or the Secretary (Finance), as the case may be, in the concerned State Government or the Union Territory, that the said goods are required for the execution of the said project, and that the said project has duly been approved by the Government of India for implementation by the concerned State Government."</p> <p><i>Explanation.</i> - For the purposes</p>	<p>Kindly confirm that certificate for availing exemption for the goods intended for use of the captioned project will be issued in compliance to CBEC Notification No.108/95.</p> <p>Further to request to clarify who will be the "Line Ministry" for the subject Project.</p> <p>Kindly clarify.</p>	<p>Refer clause No.13.3 of Instruction to Bidders (ITB) and also the format given in the tender. Contents of the clause holds good.</p>

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore	Replies / Clarifications
			<p>of this notification,-</p> <p>(a) "international organization" means an international organization to which..... said Act shall apply;</p> <p>(b) "Line Ministry" means a Ministry in the Government of India, which has been so nominated with respect to a project, by the Government of India, in the Ministry of Finance (Department of Economic Affairs).</p>	

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore		Replies / Clarifications
89	16	<p>Qualification Criteria: 4.5 A</p> <p>- De watering of sediments with the use of flocculants /electrolytes and/ or bags of tubes of geotextile with the aim to contain the polluted sediments within those bags or tubes for a total quantity of 20,000 cum for single bidder or JV together or identified sub-contractor.</p>	<p>We understand that (1) Contractor should have experience in De-watering of sediments with the use of flocculants / electrolytes. And (2) Should have geo-bag filling experience of dredged sediment for a total quantity of 20,000 Cum As the above said two activities are independent. Request to separate the experience criteria.</p>	<p>This will increase no. of participants in the Tender and thereby the Employer will get the proposals which are cost wise effective & competitive.</p>	<p>Not agreed. The contents of bid document holds good.</p>

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore		Replies / Clarifications
90	239 304 307	Clause 11.2 Sr.no 313: Part 3: Containment of sediments from Lake NMK and KIE. Sr.no 314: Part 3: Containment of sediments from Lake NMK and KIE "Characteristic opening O90 according to EN ISO 12956 250m μ "	Characteristic opening O90 according to EN ISO 12956 250m μ to 350m μ "	In order to maintain the flow rate required the geotextile tube needs to be fabricated to achieve the desired value, the opening size needs to optimally designed. The geotextile produced will always confirm to a range which can have a minimum and maximum values. In the present case of flow requirement, the maximum being 350m μ and minimum of 250 m μ .	Characteristic opening O90 according to EN ISO 12956 250m μ to 350m μ is acceptable.

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore		Replies / Clarifications
91	236 304 306	Clause 11.1 Sr.no 313: Part 3: Containment of sediments from Lake NMK and KIE Sr.no 314: Part 3: Containment of sediments from Lake NMK and KIE tubes of geotextile with a circumference of 9 meter and a length of 27.5 meter	"tubes of geotextile with a circumference of 9 meter and a length of 26.2m (+0.5m)" OR "tubes of geotextile with a circumference of 9 meter and a length of 30.6m (+0.5m)"	The Geotextile tubes are to be fabricated to suitable lengths by seaming circumferentially multiple panels of equal size (depending on production width) to form the Geotextile tube. In present case we can offer either 26.2m or 30.6m as per above options. The number of tubes may be changed based on the length selected.	Tube or bag lengths between 26.2 (+0.5m) and 30.6 m (+0.5m) are acceptable.
92			Work Experience: The bid lays down a minimum experience requirement of undertaking similar nature of works over the last 5 years. Does this experience need to be from India only or global experience would be considered?		Global experience will be considered.
93			Site Visit: Do we need to be escorted by TNPCB officials prior to the site visit or do we need to request access of any sorts for undertaking the site visit?		Site visit can be performed by the contractor on his own

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore	Replies / Clarifications
94			Extension in submission date: Is there a provision of extending the submission date 12th April 2016 to 13th May 2016. The bid requires some detailed engineering design and the extension would help to develop a well suited and sustainable approach for the project.	The last date for submission of the bids is extended up to 30-04-2016
95			Bill of Quantity estimate: Can the volumetric estimates be provided for sediments and impacted contaminated water which are provided in the bid document?	The concerned reports are available in the www.apcbimp.gov.in website
96			<p>Flocculation Experience</p> <p>Below we summarize the benefits of coagulation & flocculation process based on results of a recent lake dredging work carried out by us:</p> <ol style="list-style-type: none"> 1. Toxic elements and nutrients bind together within the sediment and do not return with the water to the waterbody. 2. Minimizes foul odour which is a nuisance during sediment handling. 3. The dewatering process cycle is quick. 4. Dewatering requires much less land area. 5. Improves return water quality by minimising the suspended solids. 	<p>Open containment cell filling is not considered to be similar to the filling of large geo tubes or bags.</p> <p>Contents of the clause holds good</p>

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore	Replies / Clarifications
			<p>Regarding Open Containment – landfill experience:</p> <p>The dredged material was transported for landfill at Permanent Disposal Site (PDS) allotted by the client. The landfill was done as per Municipal solid waste (MSW) management procedure. The system used was what has evolved from open dumps through classical sanitary landfills to "dry tomb" sanitary landfills. The "dry tomb" sanitary landfilling approach is basically an open dump in which each day's disposal are covered by a few inches of soil (classical sanitary landfill) where compacted soil (clay) and a HDPE membrane (flexible membrane liners - FML's) are used to isolate the moisture. Also, this containment system is designed to collect and manage the leachate generated within the "dry tomb" that results from the entrance of moisture into the "tomb."</p> <p>Conclusion :</p> <p>We kindly submit that, as per scope of work for the Remediation of NMK Lake, environmental dredging and flocculation treatment (dosing) during filling into geotubes to retain the hazardous solids in the sediment is important and necessary to achieve the desired result. In our opinion, environmental dredging and flocculation treatment require specialisation, whereas filling the geotube does not require specific skill and can</p>	

Sr. No	Page No.	SECTION No. & Clause No. / Actual Clause	Bidder's Clarification Sought / Change Suggested With reasoning therefore	Replies / Clarifications
			<p>be easily adopted to. Hence, we request you to consider our submission, that our afore mentioned experience of filling the coagulated sediments in to open type containment cells fitted with mechanism to regulate the dewatered water be accepted.</p> <p>In light of the above we request you to also consider "dredging work by using flocculants with the aim to dewater the sediments and thereby to contain the sediments within the open containment cells" as qualification for the subject works.</p>	

RATES GIVEN BY THE TSDF OPERATOR M/S. RAMKY ENVIRO ENGINEERS LTD., HYDERABAD**I Disposal method : Through Incineration (AFRF)**

Sl. No.	Type of waste	Disposal method	Disposal cost per MT. Rs.
1	Filter Paper & Rubber Waste	AFRF	12,000
2	Plastic Pieces Waste	AFRF	12,000
3	Used Plastic Covers	AFRF	12,000
4	Soil contaminated with spent oil	AFRF	12,000
5	Foam Material	AFRF	12,000

II Disposal method : Through Secured Engineering Landfill

Sl. No.	Type of waste	Disposal method	Initial Offered price per MT	After 10% discount Per MT
1	Burnt Ash	Direct landfill	2,348	2,113
2	Contaminated Soil	Landfill after treatment (5% lime, 2.5% cement)	3,246	2,921
3	Solid Hazardous Waste (Metal Waste)	Landfill after treatment (10% lime, 20% cement)	5,134	4,621
4	Adjacent to Contaminated Soil	Landfill after treatment (5% lime, 15% cement)	4,322	3,890
5	Adjacent to Burnt Ash	Landfill after treatment (5% lime, 12.5% cement)	4,106	3,695

The average disposal price for Incineration through AFRF is Rs.12,000/- MT and

The average disposal price for secured engineering landfill is Rs.3,448/-

Terms and Conditions:

- Loading of waste into Ramky's vehicle is TSPCB scope. In case, PCB expects Ramky's services, our loading charge is Rs.200/- MT
- Unloading of waste at TSDF is in Ramky's scope.

- c) **Transportation charges – extra (actual). Our transportation charge is Rs.994/- MT (Considering the distance 160 Kms to & fro (from our TSDF site to Kattedan Industrial area)**
- d) Service tax extra @14.5%
- e) Payment : 50% payment as advance towards mobilization and other expenditure and balance within 15 days from the date of submission of our bills. The payment shall be made through RTGS only.
- f) At the time of loading of waste TSPCB officials requested to present at site
- g) In the above offer, we have included the lab analysis charges.



TELANGANA STATE POLLUTION CONTROL BOARD

Paryavaran Bhavan, A-3, Industrial Estate, Sanathnagar, Hyderabad – 500 018

Ph: 040-23887500

CENTRAL LABORATORY

Analysis Report

Reg. No.SR/05/TSPCB/HO/R00/LAB/2016/4017-4020
Collected on: 2/04/2016
Test method: Standard Methods of APHA, 22nd Edition
Issue date: 18/04/2016

Collected by: M.V.S. Srivally Analyst, GR-I
Received on: 4/04/2016
Quantity of the sample: 1Ltr. sample each
Page No.: 1 of 1

Source: Dumpsite near Noor Mohd, Kunte, Near Kattedan, Hyderabad. Along with the Officials from the Hyderabad waste Management Project.

Sample code : Sample details / collection point
4017 - Red Colour Soil Collected from Near NMK Dumpsite.
4018 - Gray Colour Soil Collected from Dumpsite Near NMK.
4019 - Mixture of Grey and Light Green Colour Soil from Dumpsite Near NMK.
4020 - Soil Contaminated with Oil (Black in Colour) Collected from Dumpsite Near NMK.

Parameter (s)	Results			
	4017	4018	4019	4020
Colour	Red	Grey	Brown/ Oil	Grey + P. Green
State	Solid	Solid	Solid	Solid
pH	8.62	8.23	6.92	4.42
Total volatile solids at 550°C (%w/w)	14.1	9.65	<u>85.23</u>	28.18
Total fixed solids at 550°C (%w/w)	85.9	90.35	14.77	71.82
Flash point (°C)	No Flash below 60°C	No Flash below 60°C	No Flash below 60°C	No Flash below 60°C
Calorific Value	864.48	Not Detected	<u>5279</u>	Not Detected
TCLP Test Results given below:				
A) Lead	<u>11.094</u>	1.232	0.026	0.267
B) Cadmium	0.193	0.230	0.07	<u>2.421</u>
C) Chromium	0.285	0.133	0.08	0.107

Note: Results related to sample as received.


(N. RAVEENDHAR)
Senior Environmental Scientist

.....End of report.....