

ANDREW YULE & COMPANY LIMITED
(A Government of India Enterprise)
Engineering Division, Kalyani Works
Plot -16 A & B, Block-D,
Kalyani, Nadia, PIN-741235, WB

E-Tender no. AYCL/ENGG DIVN/106/19-20/ET/169

Brief Description of Tender

TENDER DOCUMENTS FOR SITE SURVEY, SOIL TESTING, PERIODIC SUPERVISION, MAKING OF DRAWING, BOQ ESTIMATE, PROPER DESIGN ON THE BASIS OF WATER SAMPLE TEST REPORT BY APPROVED EXPERT/CONSULTATIVE UNIT FOR THE CONSTRUCTION OF 2MGD CAPACITY WATER TREATMENT PLANT FOR SUPPLYING WATER TO KHARAGPUR SETTLEMENT UNDER THE JURISDICTION OF ADEN/WATER SUPPLY/KHARAGPUR, SOUTH EASTERN RAILWAY.

ANDREW YULE & CO. LTD. invites e-Tender under two part system from bona fide and reputed Company/OEM for above mentioned Job. The Scope details are available in **Annexure-V** of this tender document.

Tender document may be downloaded from MSTC website: www.mstcecommerce.com/eprochome/aycl.

Corrigenda or clarifications, if any, shall be hosted on the above mentioned websites only.

Schedule of Tender

1.	TENDER NO.	AYCL/ENGG/MSD/AD/WPC/DE/330 dated 01/10/2019
2.	MODE OF TENDER	e-Procurement System Online submission of Techno-Commercial Bid and Price Bid through www.mstcecommerce.com/eprochome/aycl The intending bidders are required to submit their offer electronically through this e-tendering portal. No physical tender is acceptable by AYCL/MSTC
3.	E-Tender No. / Event No.	AYCL/ENGG DIVN/106/19-20/ET/169
4.	Date of publication of e-Tender through publication MSTC/AYCL websites and Central Public Procurement Portal	03.10.2019- 4.00 PM
5.	Date of availability of NIT to the Vendors for downloading	03.10.2019 - 4.00 PM
6.	Earnest Money Deposit	“Earnest Money Deposit”-Rs. 20,000/- (Rupees Twenty Thousand only) to be paid by D.D. favoring Andrew Yule &Co Ltd , payable at Kolkata . Also refer Annexure –VI for EMD waiver clause.
7.	Tender Fee	Tender Fee – Rs. 500/- (Rupees Five Hundred only) to be paid by D.D. favoring Andrew Yule &Co Ltd , payable at Kolkata .
8.	Date of Starting of e-Tender for submission of Online Techno-Commercial Bid and Price Bid at www.mstcecommerce.com/eprochome/aycl	03.10.2019 - 4.00 PM
9.	Date of closing of Online e-tender for submission of Techno-Commercial Bid & Price Bid at www.mstcecommerce.com/eprochome/aycl	19.10.2019- 4.00 PM
10.	Date & time of opening of Part I - Techno-Commercial Price Bid	19.10.2019 - 4.00 PM
11.	Date & time of opening of Part II - Price Bid	Price for techno-commercially acceptable vendors may be opened on the same day.

List of Annexure

Important Instructions for E-procurement -

Annexure-I

General Information-

Annexure-II

Techno commercial terms

Annexure-III

General Terms& Conditions

Annexure-IV

Detail Scope of Work

Annexure-V

Security BG &PBG Formats

Annexure –VI

Price Bid

Annexure – VII

Submission of Bid

Annexure -VIII

Important Instructions for E-procurement

This is an e-procurement event of ANDREW YULE & COMPANY LTD Ltd.

You are requested to read the Terms & Conditions (Annexure- III, and IV) of this tender before submitting your online tender. Tenderers who do not comply with the Conditions with documentary proof (wherever required) will not qualify in the Tender.

1. Process of E-tender:

A) **Registration:** The process involves vendor's registration with MSTC e-procurement portal which is free of cost. Only after registration, the vendor(s) can submit his/their bids electronically. Electronic Bidding for submission of Techno-Commercial Bid as well as Price Bid over the internet will be done. The Vendor should possess Class III signing type Digital Signature Certificate. Vendors are to make their own arrangement for bidding from a PC connected with Internet. MSTC is not responsible for making such arrangement. (Bids will not be recorded without Digital Signature).

SPECIAL NOTE: THE PRICE BID AND THE COMMERCIAL BID HAS TO BE SUBMITTED ON-LINE AT **www.mstcecommerce.com/eprochome/aycl**

- 1) Vendors are required to register themselves online with **www.mstcecommerce.com** → e-Procurement → PSU / Govt. depts. → Register as Vendor under AYCL- Filling up details and creating own user id and password → Submit.
- 2) Vendors will receive a system generated mail confirming their registration in their email which has been provided during filling the registration form.

In case of any clarification, please contact MSTC/AYCL (before the scheduled time of the e-Tender).

Contact person (ANDREW YULE & COMPANY LTD):

1. Mr. Amit Dutta

Sr. Manager Business Development (WPC)

amit.dutta@andrewyule.com

Cell : +91 9073355394

Phone : +91(33) 2582 5734; +91(33) 2582 8279

Fax : +91(33) 2582 8581

1. Mr. Prasanta Biswas

Manager – Purchase

prasanta.biswas@andrewyule.com

Cell- +91 9836718811

Phone : +91(33) 2582 5734; Fax: +91(33) 2582 8279

Contact person (E-Commerce, MSTC Ltd):

**1. Mr. ArindamBhattacharjee
Deputy Manager (E-commerce)**

MobileNo: 09330102643

Email: arindam@mstcindia.co.in

**2) Mr. Sabyasachi Mukherjee
Assistant Manager (E-commerce)**

Mobile- 07278030407

Email:smukherjee@mstcindia.co.in

Landline: (033) 22901004

**3. Ms.SumonaMaity
Management Trainee (E-Commerce)
Mobile-09831155225
Email: smaity@mstcindia.co.in**

System Requirement:

- i) Windows XP-SP3 or above / Windows 7 Operating System**
- ii) IE-7 or above Internet browser.**
- iii) Signing & Encryption type digital signature**
- iv) JRE 7 updates79 software to be downloaded and installed in the system. Security level should be medium**
- v) To enable ALL active X controls and disable ‘use pop up blocker’ under Tools → Internet Options → custom level (Please run IE settings from the page www.mstcecommerce.com once)**

2. Part-I: Submission of EMD, Tender Fee & Filled up General Information Form (Annexure– II), Eligibility Criteria fulfillment docs.in sealed envelope to Sr. Manager (Materials), KW, AYCL:

Bidder may request for exemption from submitting EMD (Refer details given in SI No 1 of Annexure-IV, General terms & condition).

Tender Fee – Rs. 500/- (Rupees 500/-only- Non refundable) to be paid by D.D. favouring Andrew Yule &Co Ltd, payable at Kolkata.

Earnest Money as per amount mentioned in Annexure-IV to be paid by DD favouring Andrew Yule & Co. Ltd. Payable at Kolkata

General information, under Annexure-II complete in all respect along with desired document.

In case of failure to submit the EMD within the stipulated time, the Tender may be rejected.

Part-II: Online Bid Submission: After proper submission of EMD and Tender Fee at Andrew Yule & Co, the prospective bidder to submit online Techno commercial and price bid through MSTC portal.

Following documents are to be uploaded at the E-Tender Portal as a credential of the prospective bidder:

1. Present Customer List.
2. Copies of previous purchase Orders & Performance Certificate from at least three reputed Organizations for having executed similar nature of work during last 4 years. Offers received without copies of performance certificate will/may be rejected.
3. Balance sheets and P&L Account. (2015-2016, 2016-17 & 2017-18).

Bidding in e-Tender:

- a. No interest will be paid on EMD. EMD of the unsuccessful bidder(s) will be refunded by ANDREW YULE & COMPANY LTD. EMD to be paid along with the Document within the last date as mentioned in SOT.
- b. The process involves Electronic Bidding for submission of Techno Commercial Bid as well as Price Bid.
- c. The bidder(s) who have submitted the EMD & Tender Fee to Andrew Yule can submit their Techno Commercial Bids and Price Bid through internet in MSTC website www.mstcecommerce.com → e-procurement → PSU / Govt depts. → Login under AYCL → My Menu → Auction Floor Manager → live event → Selection of the live event.
- d. The bidder should allow to run an application namely enApple by accepting the risk and clicking on run. This exercise has to be done twice immediately after opening of Bid floor. Then they have to fill up Common terms / Commercial specification and save the same. After that clicking on the Techno-Commercial bid, if this application is not run then the bidder will not be able to save / submit his Techno-Commercial bid.
- e. After filling the Techno-Commercial Bid, bidder should click 'save' for recording their Techno-Commercial bid. Once the same is done, the Price Bid link becomes active and the same has to be filled up and then bidder should click on "Save" to record their Price Bid. Then once both the Techno-Commercial bid & Price Bid has been saved, the bidder can click on the "Submit" button to register their bid.
- f. Vendors are instructed to use link in **My Menu** to **Upload Documents** in document library. Multiple documents can be uploaded. Maximum size of single document for upload is 5 MB.
- g. Once documents are uploaded in the library, vendors can attach documents through *Attach Document* link against the particular tender. For further assistance please follow instructions of vendor guide.
- h. In all cases, bidder should use their own ID and Password along with Digital Signature at the time of submission of their bid.
- i. During the entire e-tender process, the bidders will remain completely anonymous to one another and also to everybody else.

- j. The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above.
- k. Techno-Commercial bid will be opened electronically on specified date and time as given in the NIT. Bidder(s) can download Technical Comparative statement.
- i. Price bid will be opened electronically on specified date and time given in the NIT. Bidder(s) can download Price Comparative statement.
- m. All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.
- n. All electronic bids submitted during the e-tender process shall be legally binding on the bidder. Any bid will be considered as the valid bid offered by that bidder and acceptance of the same by the Buyer will form a binding contract between Buyer and the Bidder for execution of supply. Such successful tenderer shall be called hereafter **SUPPLIER**.
- o. It is mandatory that all the bids are submitted with Digital Signature Certificate otherwise the same will not be accepted by the system.
- p. Buyer reserves the right to cancel or reject or accept or withdraw or extend the tender in full or part as the case may be without assigning any reason thereof.
- q. No deviation of the terms and conditions of the tender document is acceptable. Submission of bid in the e-tender floor by any bidder confirms his acceptance of terms & conditions for the tender.
- r. Unit of Measure (UOM) is indicated in the e-tender Floor. Rate to be quoted should be in Indian Rupee as per UOM indicated in the e-tender floor/tender document.

E-tender cannot be accessed after the due date and time mentioned in NIT.

All notices / corrigendum and correspondence to the bidder(s) shall be sent by email only during the process till finalization of tender by ANDREW YULE & COMPANY LTD/MSTC LTD. Hence the bidders are required to ensure that their corporate email I.D. provided is valid and updated at the stage of registration of vendor with MSTC. Bidders are also requested to ensure validity of their DSC (Digital Signature Certificate).

Any order resulting from this open e-tender shall be governed by the terms and conditions mentioned therein.

No deviation to the technical and commercial terms & conditions are allowed.

ANDREW YULE & COMPANY LTD has the right to cancel this e-Tender without assigning any reason thereof.

The online tender should be submitted strictly as per the terms and conditions and procedures laid down in the website www.mstcecommerce.com/eprochome/aycl of MSTC Ltd.

The bidders must upload all the documents required as per terms of NIT. Any other document uploaded which is not required as per the terms of the NIT shall not be considered.

The bid will be evaluated based on the filled-in technical & commercial formats.

Bidders are requested to read the vendor guide and see the video in the page www.mstcecommerce.com/eprochome/mstc of MSTC Ltd. to familiarize them with the system before bidding.

ANDREW YULE & COMPANY LIMITED
Kalyani Works, Engineering Division

General Information**Tender ref.: AYCL/ENGG/MSD/AD/WPC/DE/330****Date - 01/10/2019**

(This document should be dully filled up by **bidders who are not registered with AYCL, Engg Division**)

The applicants are required to furnish full information to the queries included in this form. In giving the particulars, the supporting documents/certificates as called for per queries at places, must be tagged with the application for evidencing the information furnished in the application.

1. **Name of the firm** in full :
2. Address, Telephone No., & E-mail :
 - a) Address :
 - b) Telephone No. :
 - c) E-mail ID :
 - e) Name of contact person :
3. Status of the company (Limited / Pvt. Ltd / Proprietary /partnership/ Reg. /Non-Reg. and date of inception) :
4. **Trade License No.** (Please attach a photo Copy of the license) :
5. **GST No.** (Please enclose photocopy of Reg.) :
6. **Banker's Details**
 - (a) Name of the Bank :
 - (b) Name& address of the Branch:
 - (c) Account No. :Note: A copy of Banker's Certificate to be attached.
8. **I. T. Permanent Account No.**&assessed up to (latest clearance Certificate to be attached):
9. **Turnover** in last three financial years (Audited Balance Sheet and P & L Account to be submitted):
10. Name of **present customers**(Photocopy of few contracts may be enclosed):

I/we hereby certify that the particulars furnished by me/us above are true to the best of my / our knowledge and belief and mis-representations of facts will render me/us liable to my/our action as may be deemed fit by Andrew Yule & Co. Ltd. (Engineering Division) & have the sole discretion to reject or accept my/our candidature.

Place & Date -

(Signature of the Applicant& Office Stamp/Seal)

List of Enclosures:

TECHNO-COMMERCIAL TERMS
(To be filled online in MSTC portal).

SL NO	TERMS & CONDITIONS
1	<p>Scope of Work: The scope of work includes (but not limited to), Site Survey, Soil Test, Periodic Supervision of site work, Complete basic & detail Design Engineering for Process, Mechanical, Electrical, Instrumentation, Civil, Piping& fittings, item BOQs, QAPs etc. Successful bidder will submit 6 (Six) sets of drawings (including Auto-Cad copy wherever applicable)/documents as per details enclosed in Annexure – Vas part of design details over which the project will be executed. Necessary number of visits required for drawing approval should be included in the scope of the bidder.</p> <p>A detail list of drawings/documents is to be submitted by the bidder along with their technical offer for review by AYCL. Bidder may visit Kharagpur site & collect necessary details before submission of their offer. Please confirm acceptance.</p>
2	<p>Bidder should consider extra 30 visits to be covered in 12-15 months for supervision of site execution work to ascertain that the job is being executed in accordance with the approved design/drawing. This visit will start from the date of commencement of work at site. Details mentioned in pt. no. 24 of Annexure – V. Please confirm acceptance.</p>
3	<p>Delivery period/Lead time: Successful bidder will have to submit Site Survey, Soil Test, complete design, drawing, working drawing, other details, specification, etc. latest within two and half (2.5) months from date of issue of LOA for approval of AYCL/ultimate customer i.e. Railways (on pro-rata basis). Please confirm acceptance</p>
4	<p>GST: Extra as Applicable & will be reimbursed at actuals against documentary evidence of payment of GST submitted by supplier subject to maximum amount indicated in the order.</p>
5	<p>Risk purchase clause: The company reserve the right to impose risk purchase clause as "For delay in execution / supply we shall have every right to do the same through some other agency/s which shall deemed fit and the additional cost of the same (Incidental/Consequential) shall be to your account which with respect to our intimation or observation whatsoever. Please confirm acceptance</p>
6	<p>P&F - INCLUSIVE</p>
7	<p>Liquidated damage - If the delivery is delayed beyond the date of scheduled date of execution in the order, penalty will be levied @ 1% per week subject to a maximum of 10%. Please confirm acceptance.</p>
8	<p>Legal condition (Arbitration): Any contract entered against this tender will be as per the following legal condition: It is recorded that this purchase order / contract / agreement is executed and concluded by and between the parties hereto at premises Engineering Division, Kalyani Works Plot -16 A & B, Block-D, Kalyani, Nadia, PIN-741235, West Bengal. In the event of any dispute arises out of this agreement between the parties only the appropriate Civil Court in the City of Kolkata shall have the exclusive jurisdiction to entertain, try and determine the said proceedings in exclusion of all other courts. Please confirm acceptance</p>
9	<p>Freight: INCLUSIVE</p>
10	<p>Price Basis: The ordered price is on FOR at South Eastern Railway, Kharagpur basis and will remain valid, firm & fixed till completion of the total job. No price variation will be allowed at any circumstances. Your price should be valid for acceptance till completion of complete service. No price escalation will be entertained during that period. Please confirm acceptance</p>
11	<p>Payment Terms: -AYCL proposed payment term will be on back to back with that of ultimate customer i.e. SER, KGP. Details as follows:</p>

	<p>a. A Security BG for 10% of the PO value, valid till completion of the work in all respect, is to be submitted within 21 days from the date of placement of LOI/PO.</p> <p>b.90% payment shall be paid by way of "On-Account" payment after completion of the total job certified by client's Engineer or the Engineer's Representative's as per the terms of the contract.</p> <p>c. Balance 10% shall be released after completion of the project or may be released as per discretion of AYCL against submission of PBG valid till warranty period.</p>
12	<p>Guarantee /Warrantee Clause: The workmanship/smooth operation of the plant with respect to the service is to be guaranteed for a period of 15 months from the date of completion of Project. The bidder should stand guarantee for performance of the subject water treatment plant. In case of any performance related issue at site, the vendor has to send his representative to site at his own cost, suggest& set right the things to the entire satisfaction of AYCL/the end customer without which suitable penalty may be imposed by AYCL.Please confirm acceptance</p>
13	<p>Inspection: Vendor to submit QAP for all equipments to initiate procurement action.Please confirm acceptance</p>
14	<p>Codes and Standards: All equipment and materials to be furnished under this specification shall be designed, manufactures and tested in accordance with the latest revisions of the relevant Indian Standard (IS) as applicable. The work shall be done in compliance with the IS Specification.Please confirm acceptance</p>
15	<p>Eligibility Criteria:</p> <p>Technical: The bidder should haveexecuted 3 (three) similar nature of work (i.e. Raw Water Treatment Plant or Waste Water Recycling Plant or Sewage Water Treatment Plant) in last 5 years, out of which atleast 1 (one) installed plant should be more than 6 MLD capacity. Successful bidders must have in-house technical consultancy dealing with similar projects of WTP in recent past.</p> <p>Financial:The bidder should have an average annual turnover of Rs. 100Lacs in last three financial yearsviz 2016-17, 2017-18 and 2018-19.</p>
16	<p>Force Majeure Clause:</p> <p>1.1 Neither vendor nor AYCL shall be liable to the other for any delay or non-performance of its obligations under this Contract arising from any cause beyond its reasonable control including in relation to either Party any act of God, governmental act, act of any regulatory authority, supervening illegality, war, fire, flood, explosion, power blackout, break-down of machinery, loss of utility, civil commotion, industrial dispute, manpower unrest acts or omissions of telecommunications or data communications operators or carriers , in relation to vendor (to the extent not directly attributable to vendor's negligence), (a "Force Majeure Event").The affected Party shall promptly notify the other Party in writing, of the cause and the Force Majeure Event and its likely duration within no later than two (2) days after the affected Party knew of the occurrence of the Force Majeure Event. Performance by the affected Party of its obligations under this Contract shall be suspended for the duration of the Force Majeure Event. If performance is not resumed within 15 (fifteen) days after the Force Majeure Event, either Party may terminate this Contract by giving to the other Party seven (7) days' notice in advance.</p> <p>1.2 On the occurrence of any Force Majeure Event, the affected Party shall use all reasonable efforts (including emergency fixes and workarounds) to perform its obligations under this Contract during the period of suspension. Further the affected Party shall perform such part of its obligations pursuant to this Contract as are not affected by the Force Majeure Event.</p> <p>1.3 The affected Party shall use its reasonable efforts to mitigate the effect of any event of Force Majeure as soon as practicable. Please confirm acceptance</p>
17	<p>Site Details:Adjacent to GiriMaidan Railway Station, Kharagpur.</p>

GENERAL TERMS AND CONDITIONS

- 1) **EMD:** As per Annexure-IV, by way of Demand Draft drawn in favor of M/S ANDREW YULE & CO.LTD.payable at Kolkata to be submitted.
- For bidders already enlisted with AYCL- KalyaniWorks, having outstanding amount more than the EMD amount or who have already submitted the EMD against our earlier tenders or those who have security deposit with Andrew Yule may apply for adjustment of the same.
 - Bidders who are MSME units may apply for exemption from furnishing EMD by making a specific request in writing and enclosing the necessary document in support of the same.
 - Bidders whose turnover is more than Rs: 50 crores may apply for exemption from furnishing EMD by making a specific request in writing and enclosing the necessary document in support of the same.

If reason for non-submission of EMD or adjustment against the outstanding balance for EMD is not mentioned in Techno-commercial bid of tender, the tender may be rejected.

- 2) Bidder should submit **copies of purchase orders/Performance Certificate** for at least three similar nature of work as per eligibility criteria specified in Sr. No. 15 of Annexure - III. Offers received without copies of P.O./performance certificate may be rejected.
- 3) Bidders should enclose copy of **last 3 years Balance sheets** and P&L Account. (2016-17, 2017-18, 2018-19).
- 4) **TENDER FEE** - Bidders should enclose a DD for Rs: 500/- in favor of ANDREW YULE & CO.LTD, Payable at Kolkata towards cost of tender document.
- 5) AYCL reserves the right to ask for further documents for clarification, if required.
- 6) AYCL reserves the right to request for breakup of quoted rate with respect to Design & Engineering from qualified bidders.
- 7) AYCL reserves the right to reject any bidder based on their past performance.

BRIEF DESCRIPTION OF JOB

- The proposed site for the water Treatment Plant (WTP) is on a vacant ground measuring 100m x 90m approx. with some further additional land available nearby. Site may be visited by the bidders on their own.
- Water source of WTP will be the radical collector well developed by Railways on the bank of river Cosseye.
- The units involved are Cascade Aerator, Parshall Flume, Flash Mixer, Clariflocculator, Chemical House cum MCC Room, Alum, Lime, Electro-chlorinator System, Treated Water Reservoir, Sludge Sump, Rapid Gravity Sand Filter, Overhead Tank, Filtered Water Storage Tank, Sludge Drying bed, Associated Pumps, Piping, Valves, and Fittings etc.

Details of Scope of Work:

1. The design & engineering scope of work includes Process, Mechanical, Electrical & Instrumentation, Piping (including Isometric drawings & detail BOQs), Civil & Structural design/drawings for 2 MGD capacity WTP with a future provision for augmentation upto 5 MGD. Site Survey & carrying out Soil Test & submission of Survey drawing and Test report.
2. Site Survey & preparation and submission of survey drawing.
3. Carryout Soil Test & submission of Test report (Soil test specification requirement will be provided to the successful bidder after award of LOA) as per AYCL/Railway's requirement.
4. Water quantity availability during leanest period should be assessed by successful bidder and should keep adequate Factor of Safety (FOS) while carrying out design.
5. Complete design & calculation of various components for WTP for 2MGD capacity along with augmentation scheme for capacity enhancement to 5MGD. Sufficient Factor of safety (FOS) must be kept in design.
6. Process Design along with Unit Sizing calculation and Hydraulic Calculation.
7. Process & Instrumentation Diagram, Hydraulic Flow Diagram and Finalization of Layout.
8. Electrical System design including submission of Single Line Diagram, Design of MCC, Panel drawing, Cable schedule BOQs, Earthing layout & schedule, Electrical Layout diagram, Plant Lighting drawings etc.
9. Complete layout drawing of WTP as per site orientation showing locations of initial/future components of WTP e.g. Cascade Aerator, Flash Mixer, Clariflocculator with telescopic sludge discharge arrangement, Chemical Dosing systems, various sizes of Pumps, Chemical House cum MCC room, Rapid Gravity sand Filter, Sediment tanks/reservoirs, Filter beds, Piping, valves, fittings etc.

10. Civil and Structural, Architectural details along with Structural and other calculations. Structural design/drawing of various components of WTP, bar bending schedule, reinforcement drawing and all such design/drawings enabling, construction/fabrication of various components of WTP.
11. Successful bidder will support AYCL in imparting training to Railway officials for operation and maintenance of various components of WTP.
12. Successful bidder will prepare & submit technical details of various components of WTP as constructed/developed at site and also detailed specification/provision for running & maintenance (Regular/periodic) of each of such components.
13. Successful bidder should visit Kharagpur WTP site as & when required at their own cost to collect necessary data for completion of the subject work in all respect. Bidder will have to attend technical discussion with customer along with AYCL representative to get their drawing/design approved.
14. Design capacity of each component of WTP should have provision for quantity & quality variation of raw water during various seasons. Design of various components of WTP should have sufficient factor of margin for seasonal variation in raw water quality/quantity.
15. Other existing water sources, in the form of open wells may be integrated with the WTP raw water source to explore possibility to neutralize seasonal variations.
16. Various components of WTP should be designed as fully mechanized/automated as far as possible.
17. Disinfection/Chlorination should be designed suitably as part of project.
18. Pump capacity assessment and augmentation from Cossey radial collector up to various RCC OH storage Tanks through various intermediate stages will be part of this project and will be designed by the successful bidder as part of this project to make the project running.
19. During design, scope for future augmentation/capacity enhancement must be kept under consideration.
20. Bidder will design WTP in such a manner that provision should be kept for measurement of raw water quality fed to WTP and treated water released from WTP on regular basis and have a mechanism to keep these data documented.
21. Interim modification of the drawing/documents if required as per site condition shall be carried out by the successful bidder.
22. Preparation of As-built drawing & O&M manual required after project completion shall be in the scope of the bidder.
23. On completion of design, drawing, specification document submission & approval thereof, the successful bidder should periodically visit site to review, check & guide the site execution personnel to ensure that the job is being carried out as per approved design, drawing, specification etc. No extra fees will be payable for this. Bidder should consider 30 visits to be

- covered in 12 - 15 months for supervision of site execution work to ascertain that the jobs are being executed in accordance with the approved design/drawing.
24. Any other drawing/document not mentioned but required for the completion of the above project shall be in the scope of the bidder.
 25. The successful bidder will initially submit 6 (six) copies of the following drawing/documents for approval:
 - a. Assured water availability analysis report along with seasonal variation impact.
 - b. Complete design of various components for WTP for 2MGD capacity along with augmentation scheme for capacity enhancement to 5MGD. Sufficient Factor of safety (FOS) must be kept in design.
 - c. Complete layout drawing of WTP as per site orientation showing locations of initial/future components of WTP e.g. Doser, Mixer, Clariflocculator, sediment tank, filter beds, etc.
 - d. Complete design calculations for the 2MGD WTP with provision of future augmentation for capacity enhancement upto 5MGD. Sufficient FOS must be kept into consideration.
 - e. Structural design/drawing of various components of WTP, bar bending schedule, reinforcement drawing and all such design/drawings enabling construction/fabrication of various components of WTP.
 - f. Project execution Bar Chart showing list of critical activities with sufficient details
 - g. Process Design along with Unit Sizing calculation and Hydraulic Calculation
 - h. Hydraulic Flow Diagram and Finalization of Layout
 - i. Process and Mechanical arrangement details
 - j. Civil and Structural details along with Structural and other calculations
 - k. Architectural details
 - l. Electrical System design
 26. The successful bidder shall take the responsibility of process guarantee (*) and proper functionality of the complete Water Treatment Plant.

Note:

- *Water quantity availability during leanest period should be assessed by successful bidder and should keep adequate Factor of Safety (FOS) while carrying out design.*
- *Augmentation of water source, if regd., should be designed as a part of this project itself by the successful bidder.*
- *Any liasioning with state/Central authorities, local authority's environmental authority, municipality, IIT, KGP or any such other organizations shall be done by the successful bidder on their own. However, AYCL will assist the successful bidder for carrying out those jobs wherever necessary.*
- *All the Engineering drawings for WTP has to be vetted from Regional Engineering college/IIT/Other Govt. Institutes.*
- *If required, successful bidder shall assist AYCL, wherever necessary to obtain any NOC, permission, clearance, etc. from State/Central authorities, local authorities, environmental authority, municipality or any such organization towards this project.*

Guarantee Parameters:

(*) WATER QUALITY PARAMETERS AND BIS STANDARDS:

Sl.No.	Parameters	Drinking water IS 10500 : 2012	
		Permissible Limit	Maximum Limit
1	Odor	Agreeable	Agreeable
2	Taste	Agreeable	Agreeable
3	pH	6.5 to 8.5	No relaxation
4	TOC(mg/l)	10	25
5	TSS (mg/l)	10	50
6	Total Hardness (as CaCO ₃) (mg/l)	200	600
7	Turbidity (NTU)	1	5
8	Iron (mg/l) as Fe	0.3	1
9	Manganese (mg/l)	0.1	0.3
10	BOD (5 Days)	30	100

BANK GUARANTEE FORMAT

BANK GUARANTEE NO. _____
AMOUNT _____
VALID UPTO _____

TO
M/S. ANDREW YULE & COMPANY LIMITED,
8, DR. RAJENDRA PRASAD SARANI,
KOLKATA – 700 001

IN CONSIDERATION OF ANDREW YULE & CO. LTD. ENGINEERING DIVISION, A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956 AND HAVING ITS REGISTERED OFFICE AT ‘YULE HOUSE’ 8, DR. RAJENDRA PRASAD SARANI, KOLKATA – 700 001 “THE COMPANY” WHICH EXPRESSION SHALL UNLESS REPUGNANT TO THE CONTEXT OR CONTRARY TO THE MEANING THEREOF INCLUDES ITS SUCCESSORS AND ASSIGNS HAVING AGREED TO EXEMPT M/S XXXX, Address XXXX WHICH EXPRESSION SHALL UNLESS REPUGNANT TO THE CONTEXT OR CONTRARY TO THE MEANING THEREOF INCLUDES ITS SUCCESSORS AND ASSIGNS FROM THE DEMAND, UNDER THE TERMS AND CONDITIONS OF THE PURCHASE ORDER NO. XXXX, PLACED BY THE COMPANY ON THE CONTRACTOR FOR SUPPLY OF XXXX, ON PRODUCTION OF A BANK GUARANTEE FOR RS. XX.00 (RUPEES XXX ONLY), WE XXXX, HAVING ITS REGISTERED OFFICE AT XXX AND AMONG OTHERS HAVING A BRANCH OFFICE AT XXX, XXX, HEREINAFTER CALLED “THE SAID BANK” WHICH EXPRESSION SHALL UNLESS REPUGNANT TO THE CONTEXT OR CONTRARY TO THE MEANING THEREOF INCLUDES ITS SUCCESSIONS, ADMINISTRATORS, EXECUTORS AND ASSIGNS, AT THE REQUEST OF THE CONTACTOR, DO HEREBY UNDERTAKE TO PAY TO THE COMPANY AN AMOUNT NOT EXCEEDING RS. XXX AGAINST ANY LOSS OR DAMAGE CAUSED TO OR SUFFERED OR WORLD BE CAUSED TO OR SUFFERED BY THE COMPANY BY REASON OF ANY BREACH BY THE SAID CONTRACTOR OF ANY OF THE TERMS AND CONDITIONS CONTAINED IN THE SAID ORDER.

WE XXX BANK, DO HEREBY UNCONDITIONALLY AND IRREVOCABLY UNDERTAKE TO PAY THE AMOUNT DUE AND PAYABLE UNDER THIS GUARANTEE, WITHOUT ANY OBJECTION OR DEMUR, MERELY ON A DEMAND FROM THE COMPANY, STATING THAT THE AMOUNT CLAIMED IS DUE BY WAY OF LOSS OR DAMAGE CAUSED TO OR SUFFERED BY THE COMPANY BY REASON OF BREACH BY THE SAID CONTRACTOR OF ANY OF THE TERMS AND CONDITIONS CONTAINED IN THE SAID ORDER OR BY REASON OF THE CONTRACTOR’S FAILURE TO PERFORM THE SAID ORDER, ANY SUCH DEMAND, MADE ON THE BANK, SHALL BE CONCLUSIVE

AS REGARDS THE AMOUNT DUE AND PAYABLE BY THE BANK UNDER THIS GUARANTEE, BUT NOT EXCEEDING RS.XX.00 (RUPEES XXXXX ONLY)

WE XXXX, FURTHER AGREE THAT THE GUARANTEE HEREIN CONTAINED SHALL REMAIN IN FULL FORCE AND EFFECT DURING THE PERIOD THAT WOULD BE TAKEN FOR THE PERFORMANCE OF THE SAID ORDER AND THAT IT SHALL CONTINUE TO BE ENFORCEABLE TILL ALL THE DUES OF THE COMPANY UNDER OR BY VIRTUE OF THE SAID ORDER, HAVE BEEN FULLY PAID AND ITS CLAIM SATISFIED OR DISCHARGED OR TILL THE COMPANY CERTIFIES THAT THE TERMS AND CONDITIONS OF THE SAID ORDER HAVE BEEN FULLY AND PROPERLY CARRIED OUT BY THE SAID CONTRACTOR AND ACCORDINGLY, DISCHARGES THIS GUARANTEE.

WE THE SAID BANK, FURTHER AGREE WITH THE COMPANY THAT THE COMPANY SHALL HAVE THE FULLEST LIBERTY, WITHOUT OUR CONSENT AND WITHOUT AFFECTING IN ANY MANNER, OUR OBLIGATIONS HEREUNDER TO VARY ANY OF THE TERMS AND CONDITIONS OF THE SAID ORDER OR TO EXTEND TIME OR PERFORMANCE BY THE SAID CONTRACTOR FROM TIME TO TIME.

WE THE SAID BANK, FURTHER AGREES THAT IT SHALL NOT BE NECESSARY FOR THE COMPANY TO PROCEED AGAINST THE CONTRACTOR BEFORE PROCEEDING AGAINST THE BANK AND THE GUARANTEE HEREIN CONTAINED SHALL BE ENFORCEABLE AGAINST THE BANK.

THIS GUARANTEE WILL NOT BE DISCHARGED DUE TO THE CHANGE IN THE CONSTITUTION OF THE BANK OR CONTRACTOR.

WE, THE SAID BANK, LASTLY UNDERTAKE NOT TO REVOKE THIS GUARANTEE DURING ITS CURRENCY WITHOUT THE PREVIOUS CONTENTS OF THE COMPANY IN WRITING.

THE BANK ALSO AGREES THAT THE COMPANY AT ITS OPTION SHALL BE ENTITLED TO ENFORCE THIS GUARANTEE AGAINST THE BANK AS A PRICIPAL DEBTOR, IN THE FIRST INSTANCE WITHOUT PROCEEDING AGAINST THE CONTRACTOR/SUPPLIER AND NOTWITHSTANDING ANY SECURITY OR OTHER GUARANTEE THAT THE COMPANY MAY HAVE IN RELATION TO THE CONTRACTOR'S/SUPPLIER'S LIABILITIES.

FOR THE PURPOSE OF ENFORCING LEGAL RIGHT/REMEDIES IN RESPECT OF THIS GUARANTEE, WE AGREE WITH YOU TAHT KOLKATA HIGH COURT IN THE STTE OF WEST BENGAL SHALL HAVE THE EXCLUSIVE JURISDICTION.

NOTWITHSTANDING ANY THING CONTAINED HEREINBEFORE, OUR LIABILITY UNDER THIS GUARANTEE IS RESTRICTED TO RS. XXX. THIS GUARANTEE WILL EXPIRE XXXX AND UNLESS ANY CLAIM UNDER THIS GUARANTEE IS RECEIVED BY US BY XXX I.E. WITHIN 3 (THREE) MONTHS FROM THE DATE OF EXPIRY OF THE

GUARANTEE AT XXXX ALL YOUR RIGHTS UNDER THIS GUARANTEE SHALL BE FORFEITED AND WE SHALL BE RELEASED AND DISCHARGED FROM ALL LIABILITIES THEREUNDER.

DATED XXX, THIS xx.xx.20xx

(STAMP AND SIGNATURE OF ISSUING INSTITUTION)

NAME:

DESIGNATION

BRNACH CODE

Annexure-VII

PRICE BID

JOB DESCRIPTION	LUMPSUM PRICE IN Rs.
SITE SURVEY, SOIL TESTING, PERIODIC SUPERVISION, MAKING OF DRAWING, BOQ ESTIMATE, PROPER DESIGN ON THE BASIS OF WATER SAMPLE TEST REPORT BY APPROVED EXPERT/ CONSULTATIVE UNIT FOR THE CONSTRUCTION OF 2MGD CAPACITY WATER TREATMENT PLANT FOR SUPPLYING WATER TO KHARAGPUR SETTLEMENT UNDER THE JURISDICTION OF ADEN/WATER SUPPLY / KHARAGPUR, SOUTH EASTERN RAILWAY	

Price quoted should be FOR destination/Site.

SUBMISSION OF BID

- (1) Submission of Techno-commercial bid in MSTC portal
- (2) Submission of Price Bid in MSTC portal
- (3) Bidders are requested to submit the following documents in **SEALED ENVELOPE** to the Purchase Department , Engineering Division, Kalyani before the last date of submission of bid -
 - a) EMD amount in the form of DD or Request letter for exemption of EMD.
 - b) Copies of Purchase Orders / Performance Certificate towards evidence of Eligibility Criterion.
 - c) Copies of Balance Sheet and P/L Account for 2016-17, 2017-18 and 2018-19.
 - d) General Information as per Annexure-II to be submitted by all vendors not registered at AYCL, Engineering Division along with necessary credentials / documents
 - e) DD / Cash Receipt of Rs. 500 towards Tender Document Fee