



GOVERNMENT OF WEST BENGAL
IRRIGATION & WATERWAYS DIRECTORATE
OFFICE OF THE DIRECTOR
RIVER RESEARCH INSTITUTE
HARINGHATA CENTRAL LABORATORY
MOHONPUR, NADIA
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NOTICE INVITING QUOTATION

e-N.I.Q No - WBIW/EE/SDP/RRRI/eNIQ- 02/2016-17

Memo No: 179

Dated 10.3.2017

Separate Quotations are invited by the **Executive Engineer, Sundarbans Delta Project, River research Institute** on behalf of the Governor of West Bengal through electronic Quotation (e-Quotation) for the works mentioned in the list given below from eligible and resourceful contractors having sufficient credential and financial capability for execution of works of similar nature.

Intending bidders desirous of participating in the Quotation are to log on to the website www.wbiwd.gov.in (the web portal of the Irrigation & Waterways Department) and click on to the “e-procurement” link provided. They may also visit the website <https://wbQuotations.gov.in>. for the same e-Quotation. The Quotation can be searched by typing WBIW/EE in the search engine provided in the website/s, by logging-in the designated link of concerned Executive Engineer.

Contractors/bidders willing to take part in the process of e-Quotating are required to obtain Digital Signature Certificate (DSC) from any authorized Certifying Authority (CA) under CCA, Department of Electronics & Information Technology (DEIT), Govt of India. (viz. NIC, nCode Solution, Safescrypt, e-Mudhra, TCS, MTNL, IDRBT) or as notified by the CA /Finance Department from time to time. DSC is given as a USB e-Token. After obtaining the Class 2 or Class 3 Digital Signature Certificate (DSC) from the approved CA they are required to register the fact of possessing the DSC through the registration system available in the above mentioned websites. A list of such licensed CAs’ is also available in the CCA website cca.gov.in. The prospective contractors / bidders may contact the e-Quotating State Level Help desk located at 7th Floor, Jalasampad Bhavan, Bidhannagar, Sector II, Kolkata through e-mail ID: irrigationhelpdesk@gmail.com or ID: dvsc6816@gmail.com and Telephone No. 033-23346098 on any working day within working hours for any query on e-Quotating, obtaining DSC, training on e-Quotating usage, free of cost. Bidders’ Manual is available in the Departmental website www.wbiwd.gov.in.

Intending contractors/bidders are required to download the e-Quotation documents directly from the website/s stated above. Quotation is required to be submitted on-line with the help of the e-Tokens provided. **This is the only mode for e-submission of Quotation documents.** Details of submission procedure have been explained under “General Terms & Conditions” and Annexure attached with this e-NIQ. Minimum period of time to be given to the contractors/bidders for submission of e-Quotations should be counted from the date on which the notice inviting Quotation including e-Quotation is actually published in the newspaper(s). In case of publication of the e-NIQ in more than one newspaper, all the advertisements should appear simultaneously on the same day in all these newspapers. Also uploading of the notice including e-Quotation documents in the State Government e-Quotation portal shall be such so as to ensure that the e-Quotation documents are visible in the website <https://wbQuotations.gov.in> as soon as the brief referral advertisement appears in the newspaper(s).

Last date & time of submission of bids online is 28.03.2017, up to 16.00 Hrs.

The intending bidder/contractor must read the Terms & Conditions contained in the e-Notice Inviting Quotation (e-NIQ) carefully. He/she should particularly go through the eligibility criteria, and satisfy himself/herself of the mandatory requirements. Contractors/bidders desirous of participating in the e-Quotation may submit e-bids for the work only if they fulfil the minimum eligibility criteria and are in possession of all the required documents.

All information posted in the website consisting of e-NIQ and related documents, WB Form 2911(ii), Bill of Quantities (BOQ), corrigenda and drawings etc. if any, shall form a part of the e-Quotation document.

LIST OF WORK

e-N.I.Q No - WBIW/EE/SDP/RRI/eNIQ- 02/2016-17

Memo No.: – 179

Dated :- 10.3.2017

Sl no	Name of Work	Earnest Money Deposit (In Rs.)	Time allowed for completion (in days)	Source of fund	Minimum eligibility of the contractor/bidder for participating in the e-Quotation
1	2	5	7	8	9
01	“Preparation of Detailed Project Report for Sedimentation Survey of Mayurakshi Reservoir, controlled by Government of West Bengal at Messanjore, Dist.-Dumka, Jharkhand.”	50,000/-	60 days	Non-Plan	Bona fide contractors/bidders having credential of execution of similar nature of work of value 30% of the amount put to Quotation (Quotation value) within the last 5 years on the date of publishing of e-NIQ.

(*) For Consortiums, criteria are to be followed as per Clause 1 & 6 (ii) in General Terms & Conditions for e-Quotations up to Quotation value Rs 45.00 lakh.

(General Terms & Conditions for e-quotations having ‘Quotation value’ above Rs 5.0 Lakh up to Rs 45.00 Lakh)

1. Eligibility for participation :

Bona fide contractors/bidders, Registered Co-operative Societies, Consortiums and Partnership firms registered with the State Government and contractors/bidders of equivalent Grade / Class registered with the Union Government / Military Engineering Services / Indian Railways for execution of civil works are eligible to participate depending on the criteria as laid down below in the subsequent para/clause. Joint venture firms are not eligible to participate in e-Quotations.

(In case of consortiums, maximum no of constituents shall be restricted to 5 (five) and each of the constituent must have at least some work credential. Individual constituents of a consortium cannot form another consortium)

2. Participation in more than one serial of work in a quotation :

Any contractor/bidder may submit bids for a maximum of 50% of the total number of works (rounded up to next higher integer) published in any particular e-NIQ depending on his/her previous work credential and financial capability, details of which have been stated later.

3. Submission of Quotations

3.1 General procedure for submission of e-quotation

Bids are to be submitted on-line through either of the website/s stated earlier. Contractors/bidders are required to upload the entire set of e-Quotation documents along with other related documents as asked for in the e-Quotation notice(e-NIQ) circulated through the above website/s within the stipulated due/end date and time.

For e-Quotation value above Rs 5.00 lakh, bids are to be submitted in two folders at a time for each work, one being ‘ Technical Proposal’ and the other ‘Financial Proposal’. The contractor/bidder shall carefully go through all the documents and prepare to upload the scanned documents in Portable Document Format (PDF) files in the designated link in the web portal as Technical Bid. He/she needs to fill up the rates of items in percentage in the BOQ downloaded for the work in the designated cell and upload the same in the designated link in the portal as Financial Bid. Documents uploaded are virus scanned and digitally signed using the Digital Signature Certificate (DSC). Contractors/bidders should especially take note of all the addenda and corrigenda related to the e-Quotation and upload all these documents also as a part of their Quotation document. Documents uploaded by the bidders with all information & rates comprising Technical bid and Financial bid cannot be changed after last/end date for submission of e-Quotation.

3.2 Technical Proposal

Technical Proposal should contain scanned copies of documents and/or declarations in the following standardised format in two covers (folders).

A. Technical File (Statutory Cover) containing:

i. Application for Quotation (Vide Form-1) (to be submitted in “Forms” folder)

ii. Quotation Form No. 2911(i)/(ii) (to be submitted in “2911” folder)

iii. Notice Inviting Quotation (e-NIQ) (to be submitted in “NIQ” folder)

iv. Declaration of not having common interest in the same serial (vide Form-4). (to be submitted in “Forms” folder)

v. Drawing/s if any. (to be submitted in “Drawings” folder)

vii. Addenda/Corrigenda: If published (to be submitted in the ‘NIQ’ folder merged with e-NIQ already ploaded as a pdf file)

NOTES: i. Contractors/bidders are to keep track in the website for all the Addenda and Corrigenda published for a particular e-Quotation and upload all the above digitally signed by him/her along with the e-NIQ.

Quotations submitted without Addendum/Corrigendum are liable to be treated as informal and thereby rejected.

ii. Quotation will be summarily rejected if any item in the statutory cover is found missing.

B. My Document (OID* Cover) containing:

My Document Format for uploading in the OID folder:-

Sl. No.	Folder name	File description	Details	Remarks if any
A	Certificates	certificates.pdf 1 certificates.pdf 2 certificates.pdf 3 certificates.pdf 4	1. Professional Tax Challan 2. PAN Card 3. Value Added Tax (VAT) Registration Certificate 4. Latest I.T Return Receipt	
B	Company Details	companydetails.pdf 1 companydetails.pdf 2	1. Proprietorship Firms (Trade Licence) 2. Partnership Firms (Partnership Deed, Trade-Licence, Form-VIII or Memorandum of Registration) 3. Limited Companies (Incorporation Certificate, Trade-Licence, Memorandum of Articles) 4. Registered Co-operative Societies (Society Registration Certificate, Trade Licence and By-laws, Documents showing latest officebearers) 5. Consortiums (Form-VIII) or Memorandum and Undertaking.	
C	Credential	Credential pdf 1 Credential pdf 2	1. BOQ duly authenticated by issuing authority and work order. 2. 100% completion certificate for completed work, or 3. Gross bill of 100% completed work including excess and supplementary items not covered in original BOQ.	
D	Financial Info	Payment certificate .pdf	Payment certificate of 100% completed work issued by competent authority or any other related financial information	

* OID denotes Other Important Documents.

C.i. Certificate/s: (name of the file should be “*certificates.pdf*”) comprising the following:

- Professional Tax (PT) deposit challan valid for the current financial year and PAN Card. Application for PAN addressed to the competent authority may also be considered.
- Value Added Tax (VAT) registration certificate. (Failure to upload this document will result in deduction of VAT as per prevailing rules)
- Latest Income Tax Return receipt.

ii Company Details: (name of file should be “*companydetails.pdf*”) comprising the following:

- Deed of Consortium/Partnership firm, and documents for their registration in the form of certified copy of ‘Form No. VIII,’ issued under the Indian Partnership Act, 1932 (Act-IX of 1932) by the Registrar of Firms, West Bengal having their registered office at P-15 India- Exchange Place, Todi-Mansion, 10th Floor, Kolkata 700001.

In case a contractor/bidder is yet to receive Form No. VIII, a “Memorandum” issued from the above office may also be accepted. However, consortiums submitting the Memorandum are also required to submit an undertaking in plain paper along with their application in Forms 1 & 2 and upload its scanned copies in pdf pledging that “Copy of Form No. VIII would be submitted to the Quotation Inviting Authority before receiving final payment, in case found to be the lowest bidder L1 and the work is awarded in its favour. Any change in the constituent of the Consortium/Partnership Firm should also be intimated to the office of the Registrar of

Firms, Kolkata prior to submission of application in the e-Quotation and a certified copy of the revised Form No. VIII showing changes in its constituents are required to be submitted. If the Consortium is yet to receive a certified copy of the revised Form No. VIII, it would be required to submit the aforesaid undertaking on-line along with the application.

Note: An affidavit regarding authorized user of DSC for Consortium and a declaration regarding such authorization for Limited companies is required to be uploaded on-line along with the Quotation. Scanned copies in pdf of competent authority are to be submitted, if the power is delegated for signing of bid/s to persons other than the applicant contractor/bidder.

ii. Company Details (for Registered Co-op Societies only) : (name of file should be “**companydetails.pdf**”)

- a. Society Registration certificate from ARCS and Bye-Laws for Cooperative Societies.
- b. Trade Licence for Proprietorship Firms/Partnership Firms.
- c. Memorandum of Articles for Limited Companies.
- d. Any other documents showing names and signatures of latest elected office bearers.

iii. Credential: Scanned pdf of work credential issued in favour of the contractor/bidder as detailed under clause 5 later. Bill of Quantities (BOQ) duly authenticated by the competent authority along with work order is to be submitted uploaded under ‘OID’ cover (name of file should be “**credential.pdf 1**”). In case of execution of supplementary/substitute supplementary having value more than 30% of the BOQ, final gross value of bill (without contractual rate) including such supplementary/substitute supplementary may be considered in lieu of the original BOQ and scanned and authenticated copy of the Bill shall be uploaded in the ‘**credential.pdf 2**’.

iv. Others: Any other document found necessary.

NOTE : Failure of submission of any one of the above mentioned documents will render the Quotation liable to summary rejection.

3.3 Financial Proposal

The financial bid should contain the following documents in one cover (folder).

i. Bill of Quantities (BOQ): The contractor/bidder is required to quote the rate as percentage above or below Quotation value on-line in the space marked for quoting rate in the BOQ. (only downloaded copy of the above documents are required to be uploaded by the contractor/bidder)

NOTE:

a) *BOQ without a valid numeric rate at the space provided in the BOQ will be rejected outright. Contractors/bidders willing to quote “at-par” shall need to write “0” at the space provided for rate in the BOQ.*

b) *In cases where BOQ has been changed by the Quotation Inviting Authority by way of addendum/corrigendum, contractors/bidders are required to upload the revised BOQ. If bids are submitted prior to the date of publication /uploading of addendum/corrigendum, the contractor/bidder is to resubmit the bids along with the revised BOQ. If the revised BOQ is not found subsequently during financial evaluation, the bid will be rejected.*

4. Quotation Fee and Earnest Money Deposit (EMD).

i. Quotation Fees: Entire set of e-Quotation document is made available free of any cost through the State Government e-Quotation portal having URL <https://wbQuotations.gov.in> and the Departmental website www.wbiwd.gov.in . In case of off-line Quotations having Quotation value below Rs. 5.00 lakh, Quotation documents are available free of cost and also made available in the Departmental website www.wbiwd.gov.in . Cost of Quotation documents shall not be charged even during execution of formal Quotation agreements. However, the contractors/bidders may wherever necessary be charged suitably for asking additional multiple copies of drawings, specifications, Schedule of Rates of the Circle/s (SoR) etc. and such fee may be suitably determined by the Quotation Inviting Authority as per norms.

ii. Earnest Money Deposit (EMD): Traditional procedure of depositing EMD through off-line instruments like Bank Draft, Pay- order, Bankers Cheque etc. has been completely dispensed with for all e-Quotations/e-procurements of the State Government , w.e.f 1st September, 2016. Intending bidders desiring to make payment

of earnest money (EMD) on-line, should beforehand read the instructions carefully, particularly in the challan generated by the system of e-Quotation/e-procurement, if opted for EMD payment through RTGS/NEFT

A. Login by bidder:

- a. A bidder desirous of taking part in a e-Quotation invited by a State Government shall login to the e-Procurement portal of the Government of West Bengal using his/her login ID and password using valid DSC.
- b. He/she will select the e-Quotation to bid and initiate payment of pre-defined EMD for that e-Quotation by selecting from either of the following payments modes:
 - i. Net-Banking (any of the banks listed in the ICICI Bank Payment Gateway) in case of payment through ICICI Bank Payment Gateway;
 - ii. RTGS/NEFT in case of off-line payment through bank accounts in any Bank approved by RBI in India.

B. EMD payment procedure:

a. Payment by Net Banking (any listed bank) through ICICI Bank Payment Gateway:

- i. On selection of net banking as the payment mode, the bidder will be directed to ICICI Bank Payment Gateway webpage (along with a string containing a Unique ID) where he/she will select the Bank through which he/she wants to do the EMD on-line transaction.
- ii. Bidder will make the payment after entering his Unique ID and password of the bank to process the transaction.
- iii. Bidder will receive a confirmation message regarding success/failure of the transaction.
- iv. If the transaction is successful, the amount paid by the bidder will get credited in the respective Pooling account of the State Government maintained with the Focal Point Branch of ICICI Bank at R.N Mukherjee Road, Kolkata for collection of EMD against unique codes for identification of the Quotating authority.
- v. If the transaction is failure, the bidder will again try for payment by going back to the first step.

b. Payment through RTGS/NEFT:

- i. On selection of RTGS/NEFT as the payment mode, the e-procurement portal will show a pre-filled challan having the details to process RTGS/NEFT transaction.
- ii. The bidder will print the challan and use the pre-filled information to make RTGS/NEFT payment using his/her own Bank account.
- iii. Once payment is made, the bank would provide an “**UTR remittance number**” for successful transaction with which the bidder will come back to the e-Procurement portal after expiry of 2 to 3 bank working days to enable the NEFT/RTGS process to complete, in order to verify the payment made and continue with his/her bidding process.
- iv. If verification is successful, the fund get credited to the respective Pooling account of the State Government maintained with the Focal Point Branch of ICICI Bank at R.N Mukherjee Road, Kolkata for collection of EMD.
- v. Hereafter, the bidder will go to e-Procurement portal for final e-submission of his/her bid within preassigned last date of submission of e-Quotation.
- vi. If the payment verification is unsuccessful, the amount will be returned automatically by the system to the bidder's account.

Note: EMD payment made through RTGS/NEFT would require additional 2 to 3 bank working days after date of transaction in the bank before the procedure is completed for enabling the bidder to continue with the bidding process in the on-line e-Quotation final bid submission. Thus, the bidder is to take precaution in case of RTGS/NEFT transfers so that the entire process of submission of e-Quotation is completed within last date of on-line submission of his/her Quotation. However, Net-banking transaction through ICICI bank payment Gateway would be on real time basis.

C. Refund/Settlement Process for EMD:

- i. After opening of his/her bids and technical evaluation of the same by the Quotation Inviting Authority through electronic processing in the e-Procurement portal of the State Government, the Quotation inviting authority will declare the status of the bid as successful or unsuccessful which will be made available along with the details of the unsuccessful bidders to ICICI Bank by the e-Procurement portal through web services.
- ii. On receipt of the information from the e-Procurement portal, the Bank will refund through an automated process the EMD of the bidders disqualified at the technical evaluation to the respective bidders' bank accounts from which they made the on-line EMD transaction. Such refund will take

place within T+2 Bank working days where T will mean the date on which information on rejection of bid is uploaded to the e-Procurement portal by the Quotation Inviting Authority.

iii. Once the financial bid evaluation is electronically processed in the e-Procurement portal, EMD of the technically qualified bidders other than that of the L1 and L2 bidders will be refunded, through an automated process, to the respective bidders' bank accounts from which they made the payment transaction. Such refund will take place within T+2 Bank working days where T will mean the date on which information on rejection of financial bid is uploaded to the e-Procurement portal by the Quotation inviting authority. However, the L2 bidder should not be rejected till the LOI process is successful.

iv. If the L1 bidder accepts the LOI and the same is processed electronically in the e-Procurement portal, EMD of the L2 bidder will be refunded through an automated process, to his/her bank account from which he/she had made the payment transaction. Such refund will take place within T+2 Bank working days where T will mean the date on which information on Award of Contract (AOC) to the L1 bidder is uploaded to the e-Procurement portal by the Quotation Inviting Authority.

v. As soon as the L1 bidder is awarded the contract (AOC), the same is processed electronically in the e-Procurement portal for transfer credit to Government Receipt under Public Accounts through GRIPS where under the security deposit to be collected would also be deposited in connection with the work.

vi. All refunds will be made mandatorily to the Bank account from which the payment of EMD and Quotation Fees (if any) were initiated.

vii. If the e-Quotation is cancelled, then the EMD would be reverted to the original bidders account automatically after such cancellation order is affected online by the Quotation Inviting Authority.

viii. Mode of Payment of Balance EMD (if required): The bidder, whose bid is approved for acceptance, shall have to execute 'Formal Agreement' in W.B.F. No.- 2911(i) as per rule (original duplicate, triplicate & quadruplicate) with the Quotation inviting Authority by depositing remaining amount of Earnest money(if required) to make @ 2% of the value of work in the form of Bank Draft (BD) / Bankers Cheque (BC) / Deposit Call Receipt (DCR) of any scheduled Commercial Bank in India approved by RBI & having a branch in West Bengal which is to be drawn in favour of the Executive Engineer(Sundarbans Delta Project)/River Research Institute, payable at Kalyani within 15 (fifteen) days of the receipt of Letter of Acceptance (LoA) to him/her. Necessary document will have to be obtained free of cost from the office of the Executive Engineer, (Sundarbans Delta Project)/River Research Institute within 15(fifteen) days from the date of receipt of the intimation of acceptance of his quotation, failing which the Quotation shall automatically stand cancelled.

5. Credential Certificate

i. Completion Certificates (CC) for 100% completed works during the current year and within last five financial years will only be accepted as valid credential.

ii. CC should clearly show the name, postal address, (contact Tel. No. and FAX or e-mail ID if issued outside the jurisdiction of the State) of the office and designation of the officer/ authority issuing the CC for the work along with the name of work and amount put to Quotation (Quotation Value). Illegible certificates and those having incomplete information may be rejected.

iii. CC of works executed in the Irrigation & Waterways Directorate will be considered. CC of works executed in other Departments of the State Government/ organizations viz. Public Works & Public Works (Roads) Department, Public Health Engineering Department, Sundarban Affair Department and other State Government Departments, Zilla Parishads & Panchayat Samities only within the jurisdiction of the State of West Bengal, WBHIDCO, WBSIEDCL, WBSETCL, KMDA, KMW&SA, KMC, Other Municipal Authorities and Bodies, HRBC, Engineering Departments of Union Government and Organizations like Farakka Barrage Project (FBP) Authority, Indian Railways, KoPT and companies owned or managed by the Government of West Bengal, i.e. Mackintosh Burn Ltd., Westinghouse Saxby Farmer Limited & Britannia Engineering Ltd. may also be considered. Such CC are to be issued by an officer/authority not below the rank of Executive Engineer / Divisional Engineer / District Engineer/Project Manager of the State/Union Government Departments/ Organisations; authorised signatories of CC for Panchayat Samities and Municipalities shall be BDO & Ex-officio Executive Officer and Secretary or equivalent administrative officers respectively. It is desirable to have contact telephone and FAX or e-mail address of the signatory of the CC for all offices outside West Bengal. Such CC is required to be further countersigned by the immediate superior authority of the issuing authority for all cases other than direct Union Government Departments /Ministries outside the State of West Bengal. Also such certificates when issued in all other States other than those directly of State / Union Government Departments/Ministries and Indian Railways should contain a declaration that the work has been executed to

the satisfaction of the concerned Government Organisation and has been declared 100% complete in all respect by the competent authority in the concerned Organisation.

6. Eligibility Criteria

i. Monetary value (Amount put to Quotation without considering contractual rate) of the 100% completed work or gross final bill value (excluding contractual rate) including supplementary/substitute supplementary, as the case may be, thus submitted will be further multiplied by the following factors to take care of the inflationary effect to arrive at the net notional amount.

Year	Description	Multiplying factor to arrive at net notional amount
Current	-	1.00
1st	1 year preceding the current financial year	1.08
2nd	2 years preceding the current financial year	1.16
3rd	3 years preceding the current financial year	1.26
4th	4 years preceding the current financial year	1.36
5th	5 years preceding the current financial year	1.47

Note: For cases where two contractors/bidders are participating in a e-Quotation for a particular work are such that one happens to have worked as a sub-contractor of the other, and both the contractors/bidders submit work credential of having completed the same job either wholly or partly, then in such case the credential of the principal contractor will be considered while that of the sub-contractor will not be taken into consideration for determining the eligibility criteria of the contractor/bidder towards the e-Quotation. If the credentials submitted by hitherto contractors/bidders are for different works, then both the work credentials will be considered towards determining the eligibility criteria of the individual contractors/bidders.

ii. Financial proposal of any contractor will come under the purview of consideration only if the criteria mentioned below are fulfilled

Net notional amount calculated from Completion Certificate (CC) of a single work during last 5 years issued in favour of the contractor/bidder /agency/firm/consortium for a work of similar nature should be **at least 30%** of the amount put to Quotation (Quotation Value) for the work. However, for consortiums where CC of individual entities of the consortium are to be considered, sum of work values in the CC of individual entities (one for each entity) for works of similar nature should be at least **90%** of the Quotation value. The power to decide on the criteria of similarity rests without any prejudice solely with the Quotation Accepting Authority.

7. Eligibility criteria for participating in more than one Quotation in a e-NIQ

i. Submission of e-Quotations by one single contractor/bidder in excess of 50% of the number of works in any particular e-NIQ will not be considered.

ii. Normally separate Completion Certificates (CC) of 100% completed works is required to be submitted for participating in separate works under a particular e-NIQ. However CC for one particular work may be considered as eligibility for participation in maximum two numbers of serials of a e-NIQ, provided requisite credential for two such works (to be added arithmetically) satisfies the requirement in all respects out of one such CC.

8. Penalty for suppression / distortion of facts

If any contractor/bidder fails to produce all the original hard copies of the documents (especially Completion Certificates and audited balance sheets), or any other document on demand by the Quotation Inviting Authority within a specified time frame or if any deviation is detected in the hard copies from the corresponding uploaded soft copies or if there is any suppression / distortion / falsification noticed/detected/pointed out at any stage of e-Quotation process prior to the issue of work order, the Quotation Inviting Authority will immediately bring

the matter to the notice of the Executive Engineer who upon recommending suitable punitive actions against the bidder will place the matter before the concerned Chief Engineer within 15 days of receipt of the complaint from the Quotation Inviting Authority and the contractor/bidder may be suspended from participating in all future

Quotations on the e-Quotation platform of I&WD as per approval of the Chief Engineer for a maximum period of 3 (Three) years. In addition, his/her EMD will stand forfeited by the Government. The concerned Chief Engineer then will issue the necessary suspension order in writing with intimation to the defaulting contractor/bidder, other Chief Engineers, Central e-Quotationing Cell and also the Department. Copy of such suspension order should invariably be communicated to the Nodal Officer, e-Governance Cell of the Department with a request to upload the order in the Departmental website. Besides, the Irrigation & Waterways Department may also take appropriate legal actions including blacklisting of the defaulting contractor/bidder and debarring him/her from participating in any State Govt. Quotation for a period up to three years. For e-Quotations where such suppression / distortion / falsification is detected at an advanced stage of e-Quotation processing, the concerned Chief Engineer will be the deciding authority as to what further necessary actions are to be taken regarding the fate of the e-Quotation.

9. Taxes & duties to be borne by the Contractor

Income Tax, VAT, Sales Tax, Royalty, Construction Workers' Welfare Cess and similar other statutory levy / Cess will have to be borne by the contractor/bidder and his/her quoted rate should be quoted accordingly after considering all these charges.

10. Site inspection before submission of Quotation

Before submitting a e-Quotation, the intending contractor/bidder should make themselves acquainted thoroughly with the local conditions prevailing at site of implementation of the work by undertaking field inspections and taking into consideration all probable likely factors and difficulties to be involved in execution of the work as per specification in all respects including transportation of materials, communication facilities, climate conditions, nature of soil, availability of local labourers and market rates prevailing in the locality etc. and no claim whatsoever will be entertained on those accounts afterwards. The contractor/bidder may also contact the office of the **Executive Engineer, Sundarbans Delta Project Division** between 11.30 hours to 16.30 hours on any working day prior to date of submission of bid of e-Quotation.

11. Conditional and incomplete Quotations

Conditional and incomplete Quotations are liable to be summarily rejected.

12. Opening and evaluation of Quotations

12.1 Opening of a Technical Proposal

All works above Quotation value of Rs 5.00 lakh for which e-Quotationing is mandatory shall be awarded through open Quotations without reservation for any particular class of contractors/bidders. Notices for open off-line Quotations for each Quotation value below Rs 5.00 lakh shall include such clauses as is notified by the Department from time to time.

For e-Quotations bids are to be invited in two parts under a two-bid system.

- i. Technical proposals will be opened by the Quotation Inviting Authority or his authorised representative/s electronically in the official website stated earlier, using their authorised Digital Signature Certificate/s (DSC).
- ii. Technical proposals for those e-Quotations whose scanned copies of DD/DCR/BC towards EMD have been uploaded/Acknowledgement of transaction on-line ID scanned copy uploaded by the bidder will only be opened at the 1st instant and then the remaining technical documents should be downloaded by the TIA.
- iii. Intending contractors/bidders may remain present if they so desire.
- iv. Cover (Folder) for Statutory Documents (vide Clause 3.2.A) will be opened /decrypted first and if found in order, Cover (Folder) for OID (vide Clause 3.2.B) will be opened. If there is any deficiency in the mandatory documents, the e-Quotation will summarily be rejected.
- v. Decrypted (transformed into readable format) documents of the OID (Other Important Document) Cover will be decrypted/downloaded and handed over to the Executive Engineer/TIA.

12.2 Uploading the list of technically qualified contractors/bidders

- i. Pursuant to scrutiny and decision of the Executive Engineer , after a Technical Bid opening, the list of eligible contractors/bidders having successfully qualified in the Technical Evaluation for a particular serial of work whose financial proposal will be thus considered, is uploaded on the web portal/s.
- ii. While evaluating the applications, the Executive Engineer may summon the contractors/bidders and seek clarifications / information or seek additional documents or original hard copy of any of the documents already submitted on-line and if these cannot be produced within a reasonably stipulated timeframe, their bid will be liable for rejection.

12.3 Opening and evaluation of Financial Proposal

- i. Financial proposals of the contractors/bidders declared technically eligible by the Executive Engineer will be opened electronically by the Quotation Inviting Authority from the web portal stated above on the prescribed date and time.
- ii. Intending contractors/bidders may remain present if they so desire.
- iii. The encrypted copies will be decrypted and the rates will be read out to the contractors/bidders remaining present at that time.
- iv. After opening of Financial Proposal, preliminary summary result containing inter- alia the name of contractors/bidders and the respective financial rates quoted by them will be uploaded in the website portal.
- v. If the Executive Engineer (TAA) is satisfied that the rate obtained is fair and reasonable and there is no scope of further lowering down of rate, he may after having the comparative statement test checked by the Divisional Accountant/Divisional Accounts Officer attached to his/her office upload the final summary result containing the name of contractors/bidders and the respective rates quoted by them against each work after acceptance of the rate.
- vi. If there is any scope for lowering down of rate in the opinion of the Executive Engineer / TAA, all the bidders qualified in technical bid will be notified through system generated e-mail and mobile phone sms to attend e-sealed bid Quotation-cum-auction on a predetermined date and time to be held in the office of the Quotation Accepting Authority. Open off-line bids are normally not encouraged from the point of view of confidentiality and transparency. However, in exceptional cases, open off-line bid negotiations with **only the L1 bidder** to lower down the e-sealed bid Quotation cum auction rate may be held by the Quotation Accepting Authority in presence of Quotation Inviting Authority for reasons to be recorded in writing.
- vii. If there is no contractor/bidder or the number of contractors/bidders in the 1st Quotation is less than three, the Quotation has to be cancelled. In case of participation of more than three bidders, technical evaluation is to be done and if the number of technically qualified bidders is less than three (3), the Quotation also has to be cancelled.
- viii. After holding such e-sealed bid Quotation cum auction, final result after acceptance of the rate by the Quotation Accepting- Authority would have to be uploaded in the e-Quotation website.
- ix. The Executive Engineer/TAA may ask any of the contractors/bidders to submit rate analysis to reasonably justify the quoted rate by that contractor/bidder.
- x. If the lowest bidder/contractor backs out there should be re-Quotationing in a transparent and fair manner. In such a situation the TIA may call for Short Notice e-Quotation if so justified in the interest of public works and take decision on the basis of L1 in Re-Quotation or subsequent e-Quotation. Penal actions for premature withdrawal by bidder have been stated under clause 8 earlier.

12.4 Quotation Accepting Authority (TAA)

Authority to which the power has been delegated to accept Quotations as per latest Departmental Notification will function as the Quotation Accepting Authority (TAA) for evaluation of technical and financial proposals of works having Quotation value within his/her range of acceptance. As per present delegation, TAA for different Quotations within the range above Rs 0.10 Lakh up to Rs 45.00 Lakh would be as follows:

- i. For e-Quotations of value up to Rs 45.0 lakh (above Rs 5.00 lakh and up to Rs 45.0 lakh): Executive-Engineer, Sundarbans Delta Project Division, I&W Directorate.

12.5 Procedure to be followed for acceptance of Quotation

- i. Selection of contractor/bidder should be made on the basis of at least three valid e-Quotations, which shall be opened in presence of their willing agents, if present. If the number of e-Quotations received is less than three, e-Quotation would be cancelled and invited afresh.
- ii. In case of invitation of e-Quotations under two-bid system, if the number of contractors /bidders qualified in the technical bid is less than three, e-Quotation would be invited afresh.
- iii. The lowest Quotation for all works is accepted as a rule. If for any reason the lowest Quotation is not accepted, reference is to be made to the appropriate Government for orders as to which of the contractor /bidder the work should be awarded.
- iv. Maximum 5 % excess beyond 'Quotation Value' (Amount put to Quotation) may be accepted by the Executive Engineer if at least three valid Quotations have been received subject to the overall power of Quotation acceptance delegated to each level of engineer officers as mentioned in the Department Notification issued from time to time, provided Quotation value after abatement is within the administratively approved cost. In case of excess over administratively approved amount, proposal for revised administrative approval would have to be submitted to the Government, but acceptance of Quotation and issue of work order may not be kept pending for want of revised administrative approval.
- v. Above 5% and up to 10% of the Quotation Value can be recommended for acceptance by the Government appointed Departmental Quotation Committee (DTC) subject to the conditions that valid Quotations should not be less than three and L1 is accepted and Quotated amount is within the administratively approved cost. In case of excess over administratively approved amount, revised administrative approval would have to be submitted to the Government but acceptance of Quotation, and issue of work order may not be kept pending for want of revised administrative approval.
- vi. For acceptance of e-Quotations above 10% of the Quotation Value (Amount put to Quotation), upon specific recommendation of the DTC as mentioned at clause 12.5 (v) above, with that of the Department shall have to be sent to the Finance Department.
- vii. If the response to an e-Quotation is less than three, then Quotation should be invited afresh. Such Re-Quotation notice shall be published in widely circulated dailies as per guidelines and also through e-Quotation web portals. Prior to invitation of Re-Quotation / fresh e-Quotation, the eligibility criteria and other terms & conditions as contained in the first 'Notice Inviting e-Quotation' (e-NIQ) shall have to be reviewed by the Quotation Inviting Authority, to ascertain whether (i) it was too much restrictive, say, specifications and qualifications were fixed at higher standards than required, (ii) advertisements in the widely circulated Newspapers were properly published and (iii) other related procedural matters were observed in its entirety.
- viii. Even if, after taking appropriate steps in regard to relaxation of criteria to the extent as decided by the Executive Engineer and also wider publicity of 2nd Quotation in widely circulated dailies and through website, the response to the Re-Quotation is still less than three, that Quotation may be accepted. In terms of Delegation of Financial Power Notification of the Department bearing No. 05-(W)/2015-16 dated 20.11.2015, provided the rates do not exceed the schedule rates (SoR) beyond 5% in case of works estimate and the Quotated value is within administratively approved cost. The same procedure to be followed for obtaining revised administrative approval, stated at clause 12.5 (iv) above, would also be applicable here. Otherwise such cases should be referred to the appropriate Government with the recommendation of the DTC for decision.

13. Acceptance of e-Quotation

Lowest valid rate should normally be accepted in accordance with the procedure stated in clause 12.5 above. The Quotation Accepting Authority reserves the right to distribute the work amongst more than one contractor/bidder with same rate.

14. Execution of Formal agreement after acceptance of Quotation

The contractor/bidder, whose bid is approved for acceptance shall within 15 days of issuance of Letter of Invitation (LOI) to him/her, needs to execute a 'Formal Agreement' with the Executive Engineer in quadruplicate in W.B.F No 2911(ii) and other Quotation documents. During executing the 'Formal Agreement', the successful contractor/bidder will be provided all the Quotation documents free of cost.

15. Return of EMD of the unsuccessful bidder(s)

- i. In the present system of e-Quotation, only L1 bidder is required to submit the EMD in original form after receipt of LOA. Rest of the bidders are required only to upload scanned copies of instrument of EMD in e-Quotation. However, most banks demand acquaintance of the Executive- Engineer to whom the EMD are

pledged, which should be done promptly by the Executive- Engineer within 3 working days after being approached in writing by an unsuccessful bidder, with the instrument.

- a. EMD of the contractors/bidders disqualified in the technical evaluation will revert to the respective bidder's accounts without requiring any manual intervention following the same path in which the EMD was transferred from the bidder's bank account to the pooling account electronically once the technical evaluation is electronically processed in the e-Quotation portal.
- b. EMD of the technically qualified contractors/bidders other than that of the L1 and L2 will revert to the respective contractor's/bidder's account without any manual intervention following the same path in which the EMD was transferred from the bidder's bank account to the pooling account electronically once the financial bid evaluation is electronically processed in the e-Quotation portal.
- c. EMD of the L2 contractor/bidder will revert to the respective contractor's/bidder's account following the same path in which the EMD was transferred from the contractor's/bidder's account from the pooling account electronically, once the L1 contractor/bidder accepts the LOI/LOA and the same are processed electronically.
- d. Till such commencement of on-line EMD processing, the hard copies pledged in favour of Executive Engineer would require acquaintance from him/her as per banks mandate.

16. Payment against bills raised by the contractor

The payment of Running Account as well as final bill for any work based on progress and performance will be made according to availability of fund and no claim due to delay in payment will be entertained.

17. Bid Validity

The Bid will be valid for **120 days** from the date of opening of the financial proposal. However, extension of bid validity may be suitably considered by the TIA, if required, subject to written confirmation of the contractor/bidder (s) to that effect.

18. Withdrawal of bid

Withdrawal of Quotation/bid once the bid has been submitted online and after passing of end date for submission and has been accepted for further processing, is not allowed. EMD will be forfeited by the Government and the bidder/contractor penalised in terms of Clause 4(ii) and clause 8 referred earlier would be applicable.

19. Schedule of dates for e-Quotationing

Sl. No.	Activity	Date & Time
1.	Publishing Date	15.3.2017 at 14.00 Hrs.
2.	Document Download start date	15.3.2017 at 16.00 Hrs.
3.	Bid submission start date	15.3.2017 at 16.00Hrs.
4.	Last date of downloading of documents	28.3.2017 up to 16.00Hrs.
5.	Last date of online bid submission	28.3.2017 up to 16.00Hrs.
6.	Technical Bid opening date	30.3.2017 at 16.00Hrs.
7.	Uploading of the list of Technically qualified bidders	To be notified in due course
8.	Financial Bid opening date	To be notified in due course
9.	Uploading of CS (Comparative Statement) and uploading of Final FBE	To be notified in due course
10.	Uploading of the Letter of Invitation / Acceptance LOI/LAO	To be notified in due course
11.	Uploading of Award of Contract (AOC) (Work Order)	To be notified in due course

TIA: e-Quotation Inviting Authority (Assistant Engineer/Executive Engineer)

TAA: e-Quotation Accepting Authority (Executive Engineer)

Additional Terms & Conditions

1. Executive Engineer of the concerned Division is the Engineer-in-Charge in respect of the contract and all correspondences concerning rates, claims, change in specifications and/or design and similar important matters will be valid only if accepted/recommended by the Engineer-in-Charge. If any correspondence of above Quotation is made with officers other than the Engineer-in-charge for speedy execution of work, the same will not be valid unless copies are sent to the Engineer-in-Charge and approved by him. Instructions given by the Sub-Divisional Officer/Assistant Engineer and the Section Officer/Junior Engineer on behalf of the Engineer-in-Charge shall also be valid (who have been authorised to carry out the work on behalf of the Engineer-in-Charge) regarding specification, supervision, approval of materials and workmanship. In case of any dispute, the decision of Engineer-in-Charge shall be final and binding.
2. Acceptance of the e-Quotation including the right to distribute the total work between two or amongst more than two contractors/bidders will rest with the Engineer-in-Charge without assigning reason to the contractors/bidders thereof. The Executive Engineer as the accepting authority reserves the right to reject any or all Quotations without assigning any reason thereof.
3. The contractors/bidders shall have to comply with the provisions of (a) Contract labour (Regulation & Abolition) Rules, 1970 and its revision (b) Minimum Wages Act 1948 and its amendments, or the modifications thereof or any other laws relating thereto enforced by the appropriate Government from time to time.
4. Engineer -in-Charge shall not entertain any claim whatsoever from the contractors/bidders regarding payment of compensation on account of idle labour on such grounds including non-possession of land in the working zone.
5. Engineer-in-Charge shall not be held liable by the contractor/bidder for any compensation claim due to machines becoming idle, for any circumstances including untimely rains, other natural calamities, strikes etc.
- 6 Any duty / tax / royalty etc. whatsoever is imposed by the appropriate Government after issuance of work order / commencement and completion of the work, is to be borne by the contractor/bidder. Original challan of materials, which are procured by the contractor/bidder, may be asked to be submitted for verification by the Engineer-in-Charge.
7. Cess @ 1% of the cost of construction work or otherwise as per relevant order of appropriate Government shall be deducted from the gross value of all works bill. Also, it is instructed to register his/her establishment under the relevant Act with the competent registering authority, i.e. Assistant Labour Commissioner / Dy. Labour Commissioner of the region.
8. No mobilization / secured advance will be allowed unless specified otherwise in the contract.
9. VAT/Sales Tax, Cess, Royalty of sand, stone chips, stone metal/ gravels, boulders, forest products, Toll Tax, Income Tax, Ferry Charges and other Local Taxes if any, are to be paid by the contractor/ bidder. No extra payment will be made as re-imburement or compensation for the above. The rates of supply of finished work items are inclusive of these taxes and charges.
10. All working tools & plants, scaffolding, construction of vats & platforms arrangement of Labour camps shall have to be arranged by the contractor at his/her own cost.
11. The contractor shall arrange for supply of mazdoors, bamboo, ropes, pegs, flags etc. for taking/ layout for the work and for giving and checking measurements by the Engineer-in-Charge or any other Department officer assigned by him / her for which no extra payment claim will be entertained.
12. The contractor should thoroughly scrutinise the site of work and relevant Quotation documents, drawings etc. before submitting the e-Quotation and satisfy himself/herself regarding the conditions and nature of works and ascertain the difficulties that might be encountered during execution of the work, carrying of

materials to the site of work, availability of drinking water and other human requirements including safety and security etc. Works on river banks may be interrupted due to various unforeseen reasons e.g. sudden rise in water level, inundation of site caused by flood, inaccessibility of working site for carriage and transportation of materials. Engineer-in Charge may instruct the contractor to suspend work that may be subjected to damage due to extremely adverse weather/climatic conditions and no claim will be entertained on this account. There may be variations in alignment, height of embankment or depth of cutting, location of revetment, structures etc. due to change of topography, river conditions and local requirements etc. from the approved work estimate during actual execution of the scheme. For all such modifications or alterations, the Quotationed rate and contract will remain valid. The contractor will not be entitled to any additional financial claims or extra rates on any of these accounts.

13. A machine page numbered Site Order book (with triplicate copy of every page) will have to be maintained at site by the contractor and the same has to be issued by the Engineer-in-Charge before commencement of work at site. Instructions issued by the inspecting engineer officers not below the rank of Assistant Engineer will be recorded in this site order book and the contractor must note down and comply the same at the earliest.
14. The work will have to be completed within the time period as mentioned in the NIQ/e-NIQ. A suitable work programme based on time period allowed for completion of work as per Quotation is required to be submitted by the contractor within 7(seven) days from the date of receipt of work order which should satisfy the time limit assigned for completion. Contractor should inform in writing the name of his authorized representative/s who are to remain present at site daily during work execution to receive instructions relating to the work, sign measurement book & bills and other Govt. papers etc on the basis of Power of Attorney conferred within 7 (seven) days from the date of receipt of work order, if not done earlier.
15. No compensation is payable for idle labour, contractor's establishment charges or on account of reasons such as variations in price indices/escalation cost etc.
16. All sort of precautions should be taken for the safety of the work force deployed by the contractor and also others at worksite as per safety rules as is enforced by appropriate authority. The contractor will remain liable towards payment of compensation in accordance with the Workman's' Compensation Act etc for the labourers engaged and should deal to settle such cases promptly. Proper road signs as per P.W.D. practice will have to be erected by the contractor at his own cost while operating on or near public thoroughfares.
17. The contractor will have to maintain technically qualified employees and/or apprentices at site as per prevailing Apprentice Act or as stipulated in the contract.
18. The contractor will have to accept the work programme as per modification and priority of work as fixed by the Engineer-in-Charge so that most vulnerable reach and/or critical items are completed before the due date for arrival of monsoon or rise of water level or for any other suitable reason/s.
19. Quantity of various items of work mentioned in the Quotation schedule or in work order is only tentative. During actual execution, these Quotationed items may vary, even substantially. Payment will be made on the basis of quantum of work actually done in different items and as per specification and no claim will be entertained for reduction of quantities in some items or due to omission of some Quotationed items. For execution of quantitative excess in any item beyond 10% or supplementary works, approval of the Superintending Engineer / Chief Engineer Government in the Irrigation & Waterways Department would be required depending on who ever is the Quotation Accepting Authority and financial involvement thereof, before making any excess and /or supplementary item work payment.
20. In order to cope up with the present system of e-billing, supply of departmental materials is not encouraged. However, such materials may be issued to the contractor/agency to the extent of requirement, subject to availability, as assessed and following the Treasury system of accounting procedures and in instalments as may be suitably decided by the Engineer-in-Charge. Issuance of materials may be of three categories.
 - a) Materials issued directly to the work subject to its recovery from bills.

- b) Materials issued from departmental Godown subject to its recovery from bills.
- c) Materials issued free of cost.
21. Any construction materials brought to work site by the contractor must be approved by the Engineer-in-Charge. Materials rejected must be removed by the contractor from work site at his own cost within 24 hrs of issue of the order to that effect. The rates in the schedule are inclusive of cost and carriage of all materials to worksite. The materials will have to be supplied in phases with due intimation to the Sub-Divisional Officer/Assistant Engineer concerned, in conformity with the progress of the work. Engineer-in-Charge may conduct independent tests of all construction materials on the samples drawn randomly before accordance of approval for using these materials for the work. In this regard decision of Engineer-in-Charge is final and binding.
22. For materials under category 20 (a), (b) & (c), the contractor will act as the custodian thereof. The construction materials will have to be carried from the departmental godown to the worksite by the contractor at his own cost. The contractor shall remain responsible for proper storage & safety of the materials. Suitable godowns/ Stores shall have to be made by the contractor at his/her own cost. Penalty charges shall be levied at higher rates for loss, wastage, misuse. Surplus departmentally issued materials if any, shall have to be returned in the godown or store maintained by the Engineer-in-charge at the contractor's cost within the time frame as fixed by Engineer-in-Charge. Otherwise, the cost at penal rates will be recovered from the bill. Indent for departmental materials shall be submitted by the contractor to the S.D.O/AE at least 7 days in advance of actual requirement. No claim will be entertained for non-issuance of such materials on time, but reasonable extension of time will be granted. All materials, whatever be its category thereof, shall be properly stored by the contractor in suitably maintained godowns near the site of work at his own cost & under no circumstances whatsoever shall any material be removed from the site of work without prior written permission of the Engineer-in-Charge. The contractor shall be responsible for any damage or loss of such materials.
23. The contractor shall also have to satisfy the Engineer-in-Charge regarding proper utilization of materials which have been issued departmentally.
24. Value of the materials, under category (a) & (b) of clause 20, will be recovered from the progressive bills of the contractor in one or successive instalments as may be decided by the Engineer-in-Charge.
25. Requisite quantity of cement as may be required for the work will be supplied from the nearest departmental godown, if stock permits. The issue rate of cement is shown in the Schedule of materials attached with the Quotation. Excess consumption of cement by more than 5% over the final consumption statement drawn up as per consumption rate specified in the Schedule included in the Quotation will be recovered at a penal rate shown in schedule.
26. Steel reinforcement rods will be issued if stock permits from the nearest Departmental godown where such material is available in marketable length. While issuing the same, for any particular work, the quantity actually required as per approved drawing shall only be issued. It will be responsibility of the Contractor as well as the Engineer-in-Charge to get this quantity properly utilized in the work. Cut pieces, if any, will not be taken back by the Department. Recovery for the total quantum of steel rods issued will be made at the issue rate shown in the Schedule. In case of use over +10%, deduction will be made at a penal rate shown in the Schedule. This whole principle shall apply in case of other M.S materials like sheet piles and structural steel members as well.
27. All quarries and disputes arising out of the works Quotation contract is to be brought to the notice of Chairman of the Departmental Dispute Redressal Committee in writing for decision within 15 days.

**Executive Engineer
Sundarbans Delta Project
River Research Institute**

SPECIAL TERMS OF CONDITIONS

8.0 SCOPE OF WORK AND SPECIFICATIONS

8.1 Detailed Survey (Hydrographic Survey & hydraulic measurements)

Hydrographic survey may be carried out as per the International Standards including the following for finding the potential of proposed dam & its pond area survey:-

- (i) The detailed Hydrographic survey is to be carried out in WGS'84 datum.
- (ii) The horizontal control is to be made using DGPS with minimum 24 hours observations at some platform/base.

Other Terms of Reference for the survey work shall be as given below: -

8.1.1 Bench Mark Pillars

a. Construct Bench Mark Pillars of dimension 0.3m x 0.3m x 1.5m (0.6m above GL) RCC pillar with 6mm thick 50mm dia GI pipe inserted, at every 5km interval at both banks. Detailed description of the bench mark along with its position and value to be given in the report for future recovery.

8.1.2 Water Level Gauges

i. Water level gauges are to be erected at every 5 km interval along the bank on upstream of the dam. Readings are to be taken at 1 hr interval for 12 hours (6 AM to 6 PM) or for the entire period of survey. The gauges are to be connected to a nearest Bench Mark by levelling and its datum value shall be established w.r.to MSL & CD. Water level gauges are to be installed temporarily during the survey period.

8.1.3 Bathymetric and Topographical Survey

Sl. No.	Name of the Dam	Description of Dam
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1	Messanjore Dam at river Mayurakshi	Lat 24.40°N, Lon 87.30°E
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Note:- a. Bathymetric and Topographical survey of specified dam area is to be conducted for average width 2000M. Average width of the Waterways is the average of narrow and wider portions of the reservoir/ponding areas, only bathymetric survey of existing submerged area of maximum width to be carried out.

b. Cross-section sounding lines/levelling are to be run from bank to bank at spacing @100MC/C, to identify the pond area.

c. Continuous soundings are to be taken by running the sounding boat at constant speed on the cross-section so as to get smooth contours. Intermediate line is to be run at bends, if the line spacing is more than the specified above.

d. For cross-sectional bathymetric survey more than 60m in proposed pond area, spot levels at line spacing x 100m length grid, on both banks should be taken. If Island or sandchur exist in the middle of the waterway, spot levels on the same spacing should also be taken and indicated in the charts along the same cross-section line.

e. If bathymetry cross-section is limited up to 60 mts width in waterway, then Contractor has to cover 100m corridor including spot levels in line spacing x 100m length grid on both banks.

f. If Island or sandchur exist in the middle of the pond area, spot levels on the same spacing should also be taken and indicated in the charts along the same cross-section line.

g. Surveys in non-approachable areas are to be informed by the Contractor and joint inspection (Contractor's representative & Engineer-In-Charge or his representative) will be held to confirm the non-approachable areas.

h. The survey area may consist of canal sections, rivers, of different dimensions. Hence, Contractor has to inspect the area to be surveyed and satisfy themselves with respect to site conditions before submission of bid. However, variation in quantity will be considered only for length of the river/canal (longitudinal length).

8.1.5 Water and Bottom Samples

a. Water and bottom samples are to be collected from the deepest route at every 1 km interval and are to be tested and the results/characteristics of the soil and the water are to be incorporated in the report. Soil sample can be collected by a grab and water sample at 0.5d (d-measured depth of water) by any approved systems. The following tests are to be carried out for Bottom samples:-

- i) Grain size distribution
- ii) Specific gravity,
- iii) PH value
- iv) Cu, Cc
- v) Clay silt% and Sediment concentration for Water Samples.

8.1.5 Collection of Topographical Features

- a. Photographs of the prominent features are to be taken and included in the report along with its position.
- b. Permanent structures located within this pond area are also required to be indicated on the report & charts.
- c. All prominent features (locks, bridges, aqueducts, survey pillars if available etc) and other conspicuous objects are to be fixed and indicated on the chart and included in the report.
- f. Details of water intake/ structures are to be collected and shown on the charts and include in the report.
- h. During the survey, conditions of the banks are also required to be collected. It is to be noted that banks are pitched (protected) or not protected. Estimate the length of bank protection, where banks erosion is taking place.
- i. Positions and levels of corners of permanent structures within the corridor are to be physically surveyed and marked on survey charts.
- j. Approachable roads / rails / places outside the corridor may be incorporated from Toposheets/Google Map/Google Earth.

8.2. Survey Chart Preparation

- a. The survey chart is to be prepared on a scale of 1:1,000 for Waterways width less than 100m. On a scale of 1:2,000 for Waterways width between 100m to 300m. On a scale of 1:5,000 for waterways width between 300m to 500m and On a scale of 1:10,000 for Waterways width more than 500m.
- b. Contours from 0m to F.R.L at 3.0 m interval are to be indicated on the charts with respect to Chart Datum / Sounding Datum.
- c. Reduced spot levels w.r.to MSL to be indicated on the charts. Spot level values are to be given w.r.t. Mean Sea Level (MSL) & Soundings w.r.t. Chart Datum / Sounding Datum. A separate file (xyz) (soft copy only) is also to be created for spot levels w.r.t. Chart Datum / Sounding Datum for dredging calculation purpose.
- k. The chart shall also be suitably updated with prominent land features from the Topo- sheets/site. Available Survey of India (SOI) Topographic sheet will be shared with successful Contractor on receipt of Undertaking.
- l. All raw data and processed data of Automatic Hydrographic Survey System are required to be submitted. Standard procedure is to be adopted for data processing. All RAW, EDIT, SORT and field data are required to be submitted by the Contractor.
- m. All surveyed field data including levelling data (csv file) are required to be submitted.
- n. All position data of ground features, waterway structures are to be submitted in both hard copies and soft copies.
- o. Total traverse of the area featuring pond peripheral line demarcating all salient features to be indicated.
- p. total 06(six) nos. of DPR in hard copy and in soft copy to be submitted at the end of project.

**Executive Engineer
Sundarbans Delta Project
River Research Institute**

FORM 1

APPLICATION FOR e-QUOTATION
(To be typed in company letter pad, typed
and uploaded)

To
The Executive Engineer
Sundarbans Delta Project
River Research Institute.

e-Quotation No:- WBIW/EE/SDP/RRI/eNIQ- 02/2016-17

Serial No of Work applied for: -.....

Dear Sir,

Having examined the Statutory, OID & all other e-NIQ documents, I/we hereby would like to state that I/we wilfully accept all your conditions and offer to execute the works as per e-Quotation no and Serial no stated above. I/We also agree to remedy the defects after/during execution of the above work in conformity with the conditions of contract, specifications, drawings, bill of quantities and addenda.

Dated this _____ day of _____ 201__

Full name of Bidder / Contractor: _____

Signature: _____

In the capacity of: _____

Duly authorized to sign bids
For & on behalf of (Name of Firm): _____
(In block capitals or typed)

Office address:

Telephone no(s) (office): _____

Mobile No: _____

Fax No: _____

E mail ID: _____

FORM 2(Modified)

Certificate regarding Summary Statement of Annual Turn Over

This is to certify that the following statement is the summary of the audited Balance Sheet arrived in favour of for the three consecutive financial years or for such period since inception of the Firm, if it was set in less than such three year's period.

Sl. No.	Financial		Remarks
	Year	Year Annual Turn Over rounded up to in Rupees lakh (two digits after decimal)	
1.			
2.			
3.			
Total			

Average Annual Turnover (in Lakh of Rupees) :

Note:

1. Year preceding the current financial year is to be considered as Year-1.
2. Average annual turnover is to be expressed in lakh of Rupees rounded off to two digits after decimal.
3. Average annual turnover for 3 years is to be obtained by dividing the total turnover by 3.0. If the Firm was set up in less than 3 year's period, consider the turnover for the period from inception to the Year-1. It may be either 1.0 or 2.0. Average turnover is to be obtained by dividing the total turnover by 1.0 or 2.0, as the case may be.
4. In case, the firm was set up in less than 3 year's period, mention the year of inception in the 'Remarks' column.

Signature of the bidder/contractor with date & seal if any

Date & Place:

Verification of Licensed Auditor Firm/ CA Firm
with full corresponding address, Phone No.
with Membership No. and official seal

Form 3 (Modified)

Completion Certificate (100% Physical Completion)

1. Name of the work :
2. Name of client :
3. Amount put to tender :
4. Contractual Rate :
5. Whether the work was divided between / among
more than one contractor, (write Y / N) :
If yes, mention the percentage of such division
(i.e 50% or 33.33% or 25%)
6. Date of commencement :
7. Date of completion as per work order :
8. Actual date of completion :
9. Final gross 100% value of the bill without
contractual rate (if the final bill is prepared,
otherwise mention N.A) :
10. Attach copy of work order & BOQ : Write 'attached'
11. Attach copy of final gross 100% bill value (item-
wise) if supplementary and / or substitute : Write 'attached or N.A'
supplementary of more than 30% of the amount
of BOQ crops up during execution and those
supplementary / substitute supplementary items
[If intended to be cited by the bidder to establish
similar nature of work credential]

**Signature of the contractor/bidder
with date and seal if any**

**Signature of the issuing authority
with date and seal
with Contact No., Postal address
and e-mail address**

Form-4
Declaration against Common Interest
(To be typed in company letter pad, typed and uploaded)

I/We, Sri/Smt. the authorized signatory on

behalf of do hereby affirm that

I/We/any of the member of.....bidding

against e-NIQ No. **WBIW/EE/SDP/RR/eNIQ- 02/2016-17** Sl. No..... do not have

any common interest either as a partner on any partnership firm / consortium as a Proprietor / Owner of

any other firm in the same serial for the work I / We want to participate.

Date:

Signature of bidder