



Government of West Bengal
Irrigation & Waterways Directorate
Office of the Chief Engineer, (West)
Kanainatsal, P.O – Sripally, Dist – Purba Bardhaman., PIN-713103
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NOTICE INVITING e-TENDER

e-NIT No: **WBIW/SE/CE(W)/NIT-06e/2025-26**

Memo No: 284-CI(W)/11C-01/18

Dated: 13/02/2026

Encrypted electronic bids are hereby invited by the **Superintending Engineer attached to Chief Engineer, West, Irrigation & Waterways Directorate** on behalf of the Governor of the State of West Bengal through a single stage two parte-Procurement System;(Part I :Techno-commercial bid and Part II : Financial bid)for the 'LIST OF WORKS' given under the next page from eligible bonafide contractors/agencies/bidders having specified Pre- Qualification (eligibility) credential for execution of works of similar nature and desired financial capabilities. The technical bid in Part-I would require the bidder to qualify for the next phase of financial bid: Part-II, in which L1 bid price would determine the final selection and acceptance of a bidder for award of the Procurement of Goods & Works contract.

Intending contractors/bidders desirous of participating in this e-Tender are required to login to the Government of West Bengal e-Procurement website having URL <https://wbtenders.gov.in> and locate the instant tender by typing **WBIW/SE/CE(W)/NIT-06e/2025-26** in the search engine provided therein, or by logging-in using their assigned User ID and password. They may also visit the official website of the Irrigation & Waterways Department, Government of West Bengal www.wbiwd.gov.in to locate the same e-Tender by scrolling the "e-Procurement" link.

Contractors/bidders willing to take part in the e-Tender are required to obtain a valid Digital Signature-Certificate (DSC) from any of the authorized 'Certifying Authorities' (CA) under Controller of Certifying Authorities (CCA), Department of Electronics & Information Technology (DEIT), Govt. of India. (viz. NIC, n-Code Solution, Safescrypt, e-Mudhra Consumer Services Ltd, TCS, MTNL, IDRBT) or as notified by the CA /Finance Department, GoWB 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 any of the above 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 Departmental e-Tendering Help desk located at the 7th Floor of Jalasampad Bhavan at Bidhannagar, Sector-II, Kolkata, through e-mails irrigationhelpdesk@gmail.com and dvcsc6816@gmail.com or Telephone No. 033-23346098 and the State Level e-Procurement Help Desk located at the Ground Floor of Jalasampad Bhavan through e-mail wbehelphdesk@gmail.com or Ph(033)-2334 5161 on any working day between 10.30AM-5.30PM for any query on e-Tendering procedure, obtaining DSC and free of cost training on e-Procurement procedure.

Intending contractors/bidders are required to download the e-Tender documents directly from either of the websites stated above. **This is the only mode for submission of a tender.** The interested bidders eligible for the tender are required to submit their bids through the e-Procurement System using their valid DSC e- Token with assigned PIN using login ID and password. Details of e-filing procedure for participating in e- tenders under State Government have also been explained in the 'Bidders' Manual', available in the Departmental website www.wbiwd.gov.in.

Last date & time of submission of bid electronically is on 12.03.2026 till 15.00 Hours IST.

The applicant bidders/contractors are advised to carefully read all the 'Terms & Conditions' contained in this e-Notice Inviting Tender (e-NIT). He/she should particularly go through the minimum desired Pre- qualification (PQ) works credential & financial eligibility criteria and satisfy himself/herself of all the mandatory eligibility requirements. Bidders desirous of participating in the e-Tender should submit bids only if they fulfill the minimum PQ eligibility criteria and are in possession of all the required PQ Credential documents "in original" as these may be summoned by the Tender/Technical Bid Evaluation Committee for verification purposes.

All information published in the website consisting of e-NIT and other related documents uploaded by the selected bidder, WB Works Contract Form No. **2911**, Bill of Quantities (BOQ), EMD exemption order, if any, corrigenda and drawings etc. if any, shall form a part of the Agreement / contract document.

LIST OF WORKS

e-NIT No: WBIW/SE/CE(W)/NIT-06e/2025-26

Sl no	Name of Work / Project or, Procurement except services	Designated Executive Engineer to function as DDO & EIC	Amount put to Tender (Tender Value) (Rs)	Earnest Money Deposit (Rs)	Time allowed for completion (In English Calendar days)	Source OfFund	Minimum eligibility criteria to match the Prequalification (PQ) works credential in terms of execution of similar previous works contract (*)	'Physical Milestones' for completion of each work within stipulated time (Refer to Clause 19 of the General Terms &Conditions)
1	2	3	4	5	6	7	8	9
01	Providing of services for 24x7 operation, control and preventive running maintenance of the PLC-SCADA based DV canal Automation system from the Integrated Command Control Centre (ICCC) at Kanainathsal, Purba Bardhaman and RTUs and Spot PLC panels at 40 Nos. of different field machine rooms (44 Nos. RTUs) located on LBMC and RBMC spread over about 175 km for smooth operation and data dissemination for a period of 1 year (12 Months) under Annual Maintenance Contract (AMC).	Executive Engineer-I Damodar Canal Division Court Compound, Purba Bardhaman	₹ 2,38,77,594.00	₹ 4,77,552.00	12 Months	SDS	<p>Summary of minimum eligibility requirements for technically qualifying for next part of financial bidding of this e-Tender:</p> <p>A. Technical PQ Credential:</p> <p>i. The bidder must have satisfactorily completed at least 1 (one) work of 'similar in nature' under Government Sector within last five FYs on the date of publication of this NIT of Gross monitory value of ₹95,51,037.00 (₹1,91,02,075.00 for Consortium/JV) (Gross monitory value is calculated based on final billed value given in Credential Certificate (CC) multiplied by inflationary factor executed within preceding five FYs of similar nature not be less than 30% of the amount put to tender of the work for which the bidder chooses to participate in this NIT. The same shall be minimum 60% for Consortium/JV)</p> <p>Pre-Qualification criteria of 'similar in nature' will be established, if summation of monitory values of any one of the items or conglomeration of items forming the Major Item derived from the BOQ of the instant work tendered in this e-NIT when multiplied by 0.40 (0.80 for Consortium/JV), the resultant monitory value is less than or equal to the monetary value of the corresponding item/conglomeration of items of the BoQ in the bid submitted as PQ work credential multiplied by inflationary factor [at Clause 7.1. (a)] as stated below:</p> <p>a. Major Item description in brief: PLC SCADA based Water management system (Operation & Maintenance):- O&M / AMC of PLC-SCADA based water management systems, including 24x7 monitoring and maintenance of PLCs, RTUs, SCADA, servers, databases, IT networking, Power System and associated infrastructures etc.:</p> <p>b. Minimum gross Notional value of above Major Item desired: ₹95,51,037.00 (₹1,91,02,075.00 for Consortium/JV)</p> <p>B. Financial eligibility as PQ Credential in preceding three FY:</p> <p>a) Average of Gross Annual Turnover of the bidder except for Consortiums and Joint Ventures for any three FYs within immediate preceding five FY on the date of publishing of NIT as stated in clause 7 V should be at least ₹ 71,63,278.00</p> <p>b) The above value for Consortiums or Joint Ventures should be at least of ₹2,14,89,834.00 (Turnover of each Partner of Consortium/Joint Venture should be ₹47,75,519.00.)</p> <p>c) Bidder's Net worth in any three preceding financial years within the zone of preceding five financial years should be positive (determined from Audited Profit & Loss Accounts and corresponding audited balance sheets stated in Clause 7v c).</p> <p>(Both A. & B stated above should be simultaneously fulfilled as minimum PQ eligibility for qualifying in the Technical Bid Evaluation stage for final selection in financial bid stage based on quoted bid price, and all claims for eligibility are to be substantiated with valid legally authentic documents during submission of on-line bid itself)</p>	Physical Milestones for completion of each work within stipulated time (Refer to Clause 5.1 and Clause 2 of the Conditions of the Contract Agreement in West Bengal Form No.2911) Please Ref: BAR_CHART

(* For Consortium & Joint Venture, additional criteria mentioned under Cl. 1 (Note), 4.2B (II) & Cl. 7 V of the General Terms & Conditions in this e-NIT may be referred.

(General Terms & Conditions of contract: 'Tender value' above Rs. 100.00 lakh up to Rs 500.00 lakh)

1. Eligibility for participation in e-tender under National Competitive Bidding(NCB)

All Bonafide Indian contractors/Agencies/Organizations, Registered Companies/ Firms including Registered Partnership Firms, Proprietorship Firms, Registered Consortiums & valid 'Joint Ventures' and contractors/bidders of equivalent grade or class having Pre-Qualification (PQ) Credential in the Government of West Bengal, Union Government Departments/ Other State Government Departments/ Engineering Wings of Gol /IRCON /RVNL /NHPC, Autonomous Project Authority and other similar organizations of Gol and State Governments/PSU and Corporations of Government of India and other States having successfully completed at least one similar in nature project and not otherwise debarred are eligible to participate ,subject to fulfilling of the PQ eligibility criteria laid down in the subsequent paragraph.

Note: In case of a Consortium or Joint Venture, the maximum number of constituents shall be restricted up to 3 (Three), and each of the constituents must have at least 20% of tender value as their individual average of annual turnovers from business in any three financial years within the zone of last five financial years and also fulfilling other PQ criteria. Individual constituents of a Consortium or JV cannot form another Consortium or JV to bid in the same work of the e-NIT. Where ever a JV/Consortium has submitted a tender, any of its constituents shall not separately bid for the same serial of work in that e-NIT, or shall have no stake involving another bidder participating in the same serial of work.

2. Participation in more than one serial of work out of list of works published in the e-NIT.

Any contractor/bidder may bid for any number of Serials of work in a particular e-NIT, if more than one work have been published in that e-NIT, subject to fulfillment of all of the following conditions:

- a. There should be full compatibility (matching between the technical PQ credential submitted by the bidder in the form of Credential Certificate (CC) along with other relevant documents as stated under Clause 4.2B III) relating to any work successfully completed by the bidder and technical PQ criteria specified in the e-NIT for any particular serial of works for which the bidder intends to bid. In other words, technical PQ credential certificate along with relevant documents submitted for any work should at the minimum; satisfy the technical PQ eligibility criteria specified for that work. Normally there should be separate CC along with relevant documents for each of the serial of works, the bidder intends to bid and the serial number relevant to the CC should be clearly written on the body of the CC and also on the other documents stated under Clause 4.2B III. However, the bidder will also reserve the right to submit one CC along with relevant documents for bidding in more than one serial of work, provided cumulative technical PQ credential of all such serials should be fulfilled by one single CC. In such case also, serial numbers of the relevant works for which the CC is submitted should be clearly written on the body of the CC by the bidder. Omission of serial numbers on the body of the CC and also on the other documents stated under Clause 4.2B III, in case of bidding for more than one serial will lead to rejection of all the bids.
- b. Average of gross annual turnover of the individual bidder/Organization/consortium or Joint Venture for any three financial years within preceding five financial years, as stated under Clause 7V, should not less than the summation of turnover requirements of the relevant individual serial of works for which the bidder intends to bid.

3. Pre-bid Meeting:

'Pre-Bid' meeting would be held in the office chamber of the Tender Inviting Authority (TIA) preferably on Day 4 or 5 from the date of publication of e-NIT, which shall be notified in the date schedule of e-NIT for all works having tender value **above Rs. 4.00 crore** in order to acclimatize the prospective contractors/bidders through an interactive open session, replying to their queries, and clear doubts in connection with the tendered work/s, if any. The minutes of this pre-bid meeting containing clarifications if any, would be uploaded by the TIA within 2 (two) working days in the designated tender folder in e-Procurement portal.

4. Submission of bid

4.1 General procedure for submission of e-bid

Bids are to be submitted electronically in the on-line mode through the e-Procurement portal www.wbtenders.gov.in. All documents uploaded by the Tender Inviting Authority forms an integral part of the works contract. Contractors/bidders are required to upload the entire tender documents along with all other relevant PQ Credential documents as asked for in the e-NIT, electronically, through the above portal within the stipulated date and time as notified in the e-NIT. Tenders are to be submitted in two parts/folders at the same time for each work, one being 'Technical Proposal' and the other 'Financial Proposal'. The contractor/bidder should carefully go through all the documents of the e-tender and upload the scanned copies of his/her/their original documents in 'Portable Document Format' (PDF) files in the designated links in the web portal as their 'Technical Bid'. He/she needs to fill up the financial offer/bid price /rates in percentage above or below or 'At-Par' in the downloaded BOQ of the work in the designated cell in 'Excel sheet only', and upload the same in the designated link of the portal as their 'Financial Bid'. Documents uploaded are virus scanned and required to be

digitally signed using their 'Digital Signature Certificates' (DSC). Contractors/bidders should especially take note of all the Addenda or Corrigenda notices related to the e-Tender and upload all of these documents forming a part of their e-bid as tender document. Documents digitally signed and uploaded in the e-Tender portal by the contractors/bidders containing requisite information & financial bid/rate comprising 'Technical bid' and 'Financial bid' are submitted concurrently, which cannot be changed after end date and time fixed for submission of the e-Tender. Extension of last date for e-bid submission or insertion of any of Addendum/Corrigendum, if unavoidable is to be notified as per Finance Department guidelines in the e-Procurement Portal, Departmental website, Newspapers and in Notice boards. Whenever any corrigendum is issued irrespective of the content (date corrigendum or otherwise), due date of submission of bid will be extended by 7 (seven) calendar days to be published before expiry of the last date for original validity period of bid submission. Extension of last date and time for bid submission by issuance of a Corrigendum shall not be treated as 2nd Call or Re-tender.

4.2 Technical Proposal

The Technical Proposal should contain scanned PDF files of all documents in the following standardized formats in two part covers or folders.

Cover No	Cover	Document Type	Descriptions
1	Pre-Qual/Technical	.pdf	NIT_Corrigendum
		.pdf	Agreement_2911
		.pdf	Forms
		.pdf/jpg/WinRAR	Drawings
		.pdf/jpg	BAR_CHART
2	Finance	.xls	BOQ

4.2 A Descriptions of Technical (Pre-Qual) Covers

- i. **'NIT Corrigendum folder'**: e-Notice Inviting Tender is *to be downloaded in entirety, digitally signed and uploaded during e-bid submission in "NIT_Corrigendum" folder.* **'Corrigenda/Addenda'** if published in connection with the NIT is to be digitally signed and uploaded in the **'NIT_Corrigendum'** folder merged with e-NIT documents during e-bid submission.
- ii. **'Agreement_2911' folder**: Contract /Agreement in WB Form No. **2911** published in the e-Tender is *to be downloaded digitally signed and uploaded during e-bid submission in Agreement_2911folder.*
- iii. **'Forms' folder**: Applications for e-Tender: vide self-declaration format in specimen Form-1, Self-declaration of bidder not having common interest as a different bidder organization in any other work tendered under different serials of this particular e-NIT *vide specimen Form-2*, Power of Attorney to sign contract/Agreement on behalf of a Registered Company, Government Undertakings, and autonomous organizations *vide specimen Form-3*, and self-declaration on antecedents and performance of the bidder in specimen Form-4. In case of consortiums and Joint Ventures, Power of Attorney of lead member to be submitted in Non-Judicial Stamp Paper in accordance with the provision of Registration Act, 1908 in Form-5. *All above forms are to be filled up completely, digitally signed and uploaded during bid submission in "Forms" folder.*
- iv. **Drawings folder**: The GAD/Plan/Map published in the e-Tender by the Tender Inviting Authority is to be downloaded by the bidder, digitally signed and again *uploaded during e-bid submission in "Drawings" folder*
- v. **BAR_CHART folder**: **BAR CHART/Work Programmes in other Networking Methods** prepared by TIA in pdf file defining the Physical Milestones of the construction period for implementation of the project is to be downloaded by the bidder digitally signed and again *uploaded during e-bid submission in "BAR_CHART" folder*

4.2A. NOTE:

- i. Contractors/bidders are required to keep track in the e-Procurement website www.wbtenders.gov.in for all the Addenda or Corrigenda notices and other documents published in connection with a particular e-Tender and upload the same, digitally signed along with their-bids. Tender submitted without Addendum/Corrigendum (**other than the Date & Time corrigendum**) are to be treated as incomplete and thereby liable for disqualification or rejection. (Vide order No-536-IB/IW-14011(33)/2/2024-Sec-IW [E-1010871], dated- 01.10.2024 of I. & W. Dept.)
- ii. Form 1, Form 2, Form 4 are mandatory for all bidders. Form-1, Form-2, Form-3 (not applicable for proprietorship and partnership Firms and applicable for Companies/Corporation/Undertakings/autonomous bodies/ consortiums and JVs), Form 4 and Form-5 (only applicable for JV/Consortium) are taken from bidders by TIA as bidders self-declarations' or undertakings. These formats are specimens or samples only and deviation from specimen format is not a sufficient ground for rejection of the bid. Relevant blank Forms are to be firstly downloaded by the bidders from the NIT in e-Procurement portal, filled up completely and again uploaded with their electronic bid.

4.2 B. My Document [OID*Cover]:

It is desired that PDF files of all other original documents in support of their eligibility and PQ credential shall have to be submitted under the OID cover folders as detailed below:

My Document Format for uploading in OID folder:-

Sl.No.	Category	Sub-category	Sub-category description	Remarks if any
I	Certificates	1. certificates.pdf 2. GST registration_ certificates.pdf	1. Latest Professional Tax Payment Certificate (PTPC) or, PT deposits challan for current financial year or Government Order for exemption in other States where ever applicable. 2. Valid PAN Card in the name of bidder/ Organization. 3. Income Tax Return of current Assessment year or, IT Return of immediate preceding Assessment year whichever latest available. 4. Valid GSTIN under GST Act & Rules 5. Valid PF & ESI Registration Certificate.	Refer to Clause 4.2C(I) for details
II	Company Details	companydetails.pdf1 companydetails.pdf2	1. For Proprietorship Firms, Partnership Firms, Registered Companies, Registered Co-operative Societies, valid Joint Venture or Consortiums Valid Trade License/ acknowledgement or Receipt of application for Trade License/ Revalidation. 2. OTHER REQUIREMENTS:- <u>For Partnership Firms:</u> Legally valid Partnership Deed, Form-VIII/ Memorandum of Registration of Registrar of Firm s. 3. <u>For Companies:</u> Incorporation Certificate, Memorandum of Articles of ROC, List of current owners/ Directors/Board Members. 4. <u>For State Registered Co-operative Societies:</u> Society Registration certificate from ARCS of the State, Society by-Laws, latest available Auditor's Report of Directorate of Co-operative Audit within proceeding five years as per Societies Act & Rules. 5. <u>For legally constituted Consortiums/ Joint Venture of Firms/Companies:</u> Registered MoU or Agreement for Consortium /JV, Registration under ACRS/ROC in addition to satisfying requirements stated earlier for individual constituent Firms/Companies forming the Consortium/JV	Refer to Clause 4.2C(II) for details
III	Credential of work	Credential pdf1 Credential pdf2	1. BOQ/SoR and Work Order/ Award of Contract of LOA/LOI duly authenticated by issuing authority. 2. Pre-Qualification (PQ) Work credential of one 100% completed work as desired in the NIT as the Credential Certificate (CC) duly authenticated by competent authority.	Refer to Clause 4.2C(III) for details
IV	Financial Information	1. P/L and audited Balance sheet for year-1.pdf2 2. P/L and audited Balance sheet for year-2.pdf3 3. P/L and audited Balance sheet for year-3.pdf4.	1-3 Profit & Loss accounts and audited balance sheets along with relevant annexures containing the designated Forms 3CA/ 3CB/3CD, as applicable under IT Act, in the name of the bidder for any three financial years within the zone of preceding five financial years from date of publication of e-NIT	Refer to Clause 4.2C(IV) for details

* OID denotes Other Important Documents.

Note:

- It is desirable but not mandatory that all documents stated above in PDF files shall be uploaded by bidders only in specified designated folders. No off-line document will be accepted and considered during tender evaluation stage from bidders before publishing result of final selection of L1 by publication of FBE sheet. Verification of authenticity of bid documents during bid evaluation by TEC may be undertaken from bidders or directly from PQ Credential issuing authority.
- Validity of documents submitted by bidder shall stand determined on the date of publication of tender notice (e-Notice Inviting

Tender).

- 4.2 C(I) Certificate/s:** The documents mentioned below under Serial a, b & c are to be uploaded as 'PDF' files in Certificate.pdf1 (*name of the file should be "certificates.pdf"*)
The document mentioned under Sl. D below is to be uploaded in **GST Registration Certificate.pdf** file.
- Latest available Professional Tax Payment Certificate (PTPC) or the PT payment challan/ receipt for current financial Year/Waiver Order of competent authority in other States if applicable.
 - Valid PAN Card of the bidder/s are required;
 - Income Tax Return of current Assessment Year or, IT Return of immediate preceding Assessment year under IT Act & Rules, whichever latest available with the bidder.
 - Valid 15 digit Goods and Service Tax payer Identification Number (GSTIN) as per GST Act, 2017 & Rules of the bidder to be uploaded in 'GST registration certificate. Pdf'.
 - Valid EPF & ESI registration certificate to be uploaded by the Bidders.

4.2 C(II) All documents mentioned in tabular format under Clause 4.2B and also detailed below should be uploaded during electronic bid submission in PDF files with the *name of file should be "companydetails.pdf1/2"*

- For Partnership Firms: Documents of Registration of Partnership Firms in the certified copy of 'Form No. VIII,' issued under Indian Partnership Act, 1932 (Act-IX of 1932) by the Registrar of Firms. In case a Partnership Firm is yet to receive Form No. VIII, a "Memorandum" issued by the Registrar of Firms may also be accepted.
- For Companies: Incorporation Certificate, valid Trade License or acknowledgement of issuing authority of receipt of application for Trade License / renewal, 'Memorandum of Articles' registered under the Registrar of Companies (ROC) under the Indian Companies Act, List of owners/ Directors/Board Members are to be uploaded with thee-bid.
- For State Registered Co-operative Societies:
 - Society Registration certificate from ARCS (Assistant Registrar of Co-operative Societies, GoWB) and By-Laws for Cooperative Societies under West Bengal Co-operative Societies Act, 2006 and Rules, 2011 and all amendments.
 - Latest Auditor's Report of Directorate of Co-operative Audit under Department of Co-operative, Government of West Bengal within preceding five financial years as per Societies Act & Rules.
- For Consortiums or Joint Ventures formed by Organizations/ Firms or Companies:
Registered Agreement/Memorandum of Understanding, and deed of Consortium formed out of Proprietorship and /Partnership Firms, and documents of Registration of Partnership Firms in the certified copy of 'Form No. VIII,' issued under Indian Partnership Act, 1932 (Act-IX of 1932) by the Registrar of Firms.

For Consortiums/Joint Ventures formed by individual Companies, Memorandum of Understanding/ Agreement of Consortium or JV. In a Joint Venture all documents are to be mandatorily signed by all constituents of that JV. The lead member of the Consortium/Joint Venture of Companies should be clearly declared in a registered Non Judicial Stamp paper of appropriate value during submission of e-bid in specimen Form-4 inside '**Forms**' folder.

Any change in the constitution of the Consortium or any of its constituent Firms should also be intimated to the office of the Registrar of Firms prior to submission of the bid and a certified copy of the revised Form No. VIII, showing changes in its constituents are required to be submitted with the e-bid. Also, the lead member of the Consortium/JV should be clearly declared in the '**Forms**' folder in specimen Form-5.

Self-declarations in specimen Form-3 regarding authorized user of DSC and signing of bills and works contract if selected and in Form-5 regarding such authorization for Consortium/Joint Venture is required to be submitted with the e-bid. Power of Attorney of competent owners/first promoters is to be submitted, if the power is delegated for signing of Agreements/s to persons on behalf of the bidder/s.

4.2 C(III) Eligibility criteria based on Credential of work/Prequalification Work Credential "**credential.pdf**"

- Bill of Quantities (BOQ) along with Work Order/Award of Contract; duly authenticated by the competent issuing authority is to be submitted under Technical cover (*name of file should be "credential.pdf1"*).
- Pre-Qualification (PQ) credential of one 100% completed work of Gross Notional Value as desired in the NIT as the Credential Certificate (CC) duly authenticated by competent authority. (*Name of file should be "credential.pdf2"*).

4.2 C(IV) Financial credential explanation:

- Profit & Loss Accounts and Audited Balance Sheets of any three financial years within zone of preceding five financial years, duly authenticated by licensed auditor regarding Annual Turnover from business containing relevant Annexure of IT Form 3CA/3CB/3CD as applicable for the bidder, having Annual Turnover above Rs 2.0 crore in each financial year. It (Enclosure to I&WD No. 344(8)-IB/IW/O/IB-Misc-72/2016-17dated 03.12.2019) is to be evaluated by the Tender Evaluation Committee as average or arithmetic mean over the said three financial years, to be uploaded in Profit & Loss & Balance Sheet.pdf. Auditor's certificate should preferably contain his/her Membership / Registration no. of Registered Audit/CA Firm and contact details for verification purposes. As per IT Act for all type of Firms having Annual Turnover from business less than Rs. 2.00 crore, only Profit & Loss accounts and audit balance sheets is required, if the organization has opted for presumptive taxation scheme U/S 44AD of I.T. Act.

Note: a. *If the bidder Company/Firm was set up less than three years ago, audited balance sheets and P/L Accounts for the number of years since inception are to be submitted under Technical cover and the average value would be evaluated only for the period since inception and not three years.*

- a. Any additional document considered necessary by the bidder related to 4.2B (IV).
- b. *No file in Technical/Pre-Qual cover or OID cover folder is allowed to be kept blank/empty. Wherever the Forms and documents are uploaded by the Tender Inviting Authority, the same is to be downloaded, duly filled up, converted to PDF file, and again uploaded after digital signing, forming a part of tender document. No offline document is acceptable during evaluation stage.*

4.3 Financial proposal / bid under Financial cover:-

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

- i. Bill of Quantities (BOQ): The contractor/bidder is required to quote the financial offer/ bid price or rate as percentage above or below the estimated amount put to tender or 'at-par' with tender value, in the space marked for quoting rate in the BOQ of the tendered work.
- ii. Only the downloaded sheet of the above document in Excel format is required to be uploaded by the contractor/bidder.
- iii. BOQ without a valid numeric rate at the designated space provided in the BOQ will be disqualified and rejected outright. Contractors/bidders willing to quote "at-par" rates shall need to write "0" in the 'space' provided for rates in the BOQ of the tendered work.

5 Tender Fee and Earnest Money Deposit (EMD)

i. Tender Fees:

Entire set of e-Tender documents are made available free of cost through the State Government e-Procurement portal having URL <https://wbtenders.gov.in> and also available in the e-Procurement link of Departmental website www.wbiwd.gov.in. Cost for tender documents will not be charged even during execution of a formal tender contract/agreement. However, the contractors/bidders may wherever necessary shall be suitably charged for additional/multiple copies of drawings, specifications; Schedule of Rates booklet etc. and such fee may be suitably determined by the Tender Inviting Authority as per existing Rules. Finance Department has exempted from payment of EMD to State Registered Labour Cooperative Societies, Mackintosh Burn Limited, Westinghouse Saxby Farmer Limited & Britannia Engineering Limited only. State & Central Govt. SSI Units are exempted from EMD for tenders for procurements and supply of **Goods only** and not works contracts. However, all other PQ credentials are to be fulfilled by each.

ii. a) Earnest Money Deposit (EMD)

Bidders are required make payment of Earnest Money (EMD) through the e-Payment banking system, on-line and should read in advance the instructions carefully, particularly those contained in the challan generated in the e-transaction of the portal, if opted for EMD payment through RTGS/NEFT. Only if the bidder is exempted from payment of EMD by the State Finance Department, the Govt. order for such exemption is to be uploaded while opting for EMD exemption category. Any misjudgment and resultant non submission of EMD will lead to summarily rejection of the bid/tender. **The quantum of Earnest Money Deposit has been revised as 2 % of the amount put to tender or Rs. 10 Lakh, whichever is lower for amount put to tender up to value of Rs. 25 crore.**

(b) Additional Performance Bank Guarantee:

"Additional Performance Security" has been made mandatory which shall be obtained only from the successful L1 bidder, if the accepted bid price is below 20% of tender BOQ or below by more than 20% of the tender BOQ. This Additional Performance Security shall be equal to 10% of the tendered amount i.e. 10% of the L1 bid price.

The Additional Performance Security shall have to be submitted by the selected L1 bidder **after issuance of Letter of Acceptance / Letter of Invitation (LoA/Lol) within seven working days and before issuance of Award of Contract (AoC)** in the form of "Bank Guarantee" of any Scheduled Bank approved by RBI, payable at Kolkata or / in West Bengal, as per specimen format Form-6. If the bidder fails to submit the said value of BG as Additional Performance Security within the seven working days, he may pray for extension of BG submission date within the prescribed 7 days period by another seven days with reasons to be recorded in writing (which is 14 working days from date of issuance of LoA). Else, its/their Earnest Money Deposit (EMD) will be forfeited without any prejudice by the Tender inviting authority and the defaulting bidder also debarred from further participation in all future I.& W.D. tenders for a period of one year for committing the offence on the first occasion and for a period of two years for recurrence of the same offence.

The said Bank Guarantee (BG) shall have to be valid up till the end of the contract/Agreement period including extended time period till 100% physical completion of work in all respects and shall be renewed within validity period accordingly if required. The said Bank Guarantee shall remain in custody of the DDO & Executive Engineer in-charge of the work, which shall be returned to the bidder/contractor after successful physical completion of the work as per contract. If the bidder fails to complete the work successfully, this Additional Performance Security shall be forfeited at any time during the pendency of the contract period after serving proper notice to the contractor/bidder agency. Necessary provisions regarding deduction of security deposit from progressive bills of the contractor in respect of the tendered work shall be governed as per relevant clauses of the tender contract/Agreement which will in no way be affected / altered due to this Additional Performance Security.

As per Dept. Memo no. - 306-IB/IW-14011(34)/1/2018-JS (IW), dated: 06.08.2018, the entire Security Deposit or the Performance Security may be released after physical and financial completion of the project but before expiry of the security period or defect liability period against receipt of equivalent amount of bank guarantee of approved bank of RBI

which should remain valid till the expiry of the defect liability period.

5A. Login by bidder:

- a. A bidder desirous of taking part in the tender floated by the State Government shall log into the e-Procurement portal of the Government of West Bengal www.wbtenders.gov.in using his/her login ID and password by using their valid DSC.
- b. He/she will select the tender to bid and initiate payment of pre-defined EMD fixed for that tender by selecting from either of the following payment 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 bidder's bank accounts in any Bank approved by RBI in India.

5B. EMD payment procedure:

a. Payment by Net Banking out of 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 (along with a string containing a Unique ID) where he/she will select the Bank through which he/she wants to electronically transact the EMD.
- 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 on registered mobile phone 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 tendering 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 designated 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 submission of his/her e-bid within pre-assigned last date of submission of e-tender.
- vi. If the payment verification is unsuccessful, the amount will be returned automatically by the system to the bidder's bank account.

Note: EMD 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 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-tender is completed within last date of on-line submission of his/her tender. However, Net-banking transaction through ICICI bank payment Gateway would be on real time basis. At present Finance Department, GoWB has exempted

5C. Refund/Settlement Process for EMD:

- i. After decrypting/admitting of all e-bids, the preliminary technical bid evaluation (TBO) summary sheet would be published in the Portal after two working days, and thereafter at least after four working days, the Final technical evaluation (TBE) summary sheet would be published in the Portal with simultaneous electronic processing in the e-Procurement portal by the tender inviting authority done so that status of the all bids as qualified or disqualified; based on the Final Bid Evaluation Sheet (FBE) is made available to all bidders 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 EMD on-line 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 up loaded to the e-Procurement portal by the Tender 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 will be refunded, through an automated e-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 tender inviting authority.

- iv. As soon as the L1 bidder is awarded the contract (AOC), the same is processed electronically in the e-Procurement portal for transfer to Government Receipt under Public Accounts of the State through GRIPS where under the security deposit will also be collected in connection with the work.
- v. All refunds will be made mandatorily to the Bank account from which the payment of EMD was initiated.
- vi. If the e-tender is cancelled, then the EMD would be reverted to the original bidder's bank account automatically after such cancellation order is processed online by the Tender Inviting Authority.
- vii. TIA reserves the right to forfeit the EMD electronically in case of breach/violation of tender rules as defined under clause 9 & 10.

6 Credential Certificate (CC) as Prequalification Work Credential:

- i. Credential Certificates (CC) for one/single 100% completed work within last five financial years on the date of publication of NIT will only be accepted as valid PQ credential of work. Incomplete ongoing work shall not be considered for valid PQ Credential. Payment Certificate without containing mandatory details shall not be treated as valid CC.
- ii. It is desirable that CC should preferably contain the name with designation, postal address of office, contact Telephone No. /FAX / e-mail ID of the authority issuing the CC for the work along with name of work, amount put to tender, date of completion of the work, gross final billed value of the 100% completed work, certificate of issuing authority indicating successful and satisfactory completion. Illegible certificates, incomplete contact details making it time consuming for verification purposes of CC issued by authorities outside the State are liable to be rejected by the Tender Evaluation Committee TEC.
- iii. Credential Certificates (CC) of successfully completed works in any Department/autonomous authority of the Government of West Bengal will be considered. CC of 100% completed works executed under any other State / Central Government Ministry / Department / Nationalized Financial Institutions Organization / Govt. Undertaking / Govt. Enterprises or Government Institutions or Local Government Bodies (Notified Development Authorities / Govt. Trusts, Municipal Corporations, Municipalities, Zilla Parishad & Panchayat Samities within West Bengal, will also be considered as valid PQ Credential. 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/Organizations; authorized signatories of CC for Panchayat Samities and Municipalities shall be the BDO & Executive Officers or equivalent administrative officers respectively. It is desirable to have telephone and FAX or e-mail addresses of the signatory of the CC for all offices outside West Bengal for verification purposes.

7 Pre-Qualification (PQ) eligibility criteria

Prequalification (PQ) eligibility of a contractor/ bidder based on one single 100% completed works contract and financial capacity achieved within the zone of last five financial years will be determined as per Rules stated below:

7. I (a). Firstly, the gross value of the work submitted as PQ Credential as per CC of similar in nature completed during the current financial year before date of publishing of e-NIT or within the preceding five FY will be multiplied by the following factors to take care of the inflationary effects to arrive at the gross notional amount.

Year	Description	Multiplying factor to arrive at gross notional amount
Current	The financial year of floating of e-NIT	1.00
1	1 year preceding the current financial year	1.08
2	2 years preceding the current financial year	1.16
3	3 years preceding the current financial year	1.26
4	4 years preceding the current financial year	1.36
5	5 years preceding the current financial year	1.47

Note: For cases where two contractors/bidders are participating in a e-Tender 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 PQ work credential of having completed the same job either wholly or partly, then in such case the PQ 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 during technical evaluation of the tender. If the PQ Credentials submitted by hitherto contractors/bidders are for different works, then both the PQ Credentials will be considered for determining the eligibility criteria of the individual contractors/bidders.

7. I (b). Gross notional amount calculated from the Credential Certificate (CC) uploaded as the PQ Credential of a single similar work stated in 7(I) (a) above and completed within immediate five preceding financial years on the date of e- NIT, **should be at least 30% of the amount put to tender i.e. Tender Value**. However, for Consortium/JV where CC of individual entities of the Consortium/JV are to be considered, sum of gross notional value of work in respect of the CC of individual entities for works of similar in nature (one for each entity), aggregate should be at least **60%** of the amount put to tender for which the tender is invited.

7. II Guidelines for ascertaining works of similar in nature

Following major items/conglomeration of items having weight age of 25% or more in terms of monetary values in

respect of amount put to tender for a work are to be identified and the monetary value of each of the major item is to be calculated by the Tender Inviting Authority for any particular serial of work listed in the e-NIT by summing up the associated items of the BOQ coming up under any of the major items as described below:

- a. i. **Type-A Earthwork**:-Relevant to and required for construction/ repair/ improvement/reconstruction of all type embankments and land filling or land development):
Earthwork in embankment along canals, channels, rivers, reservoirs, earth work in excavations or de-siltation of ponds (exceeding 5 hectares), earthwork for land filling and development (exceeding 10 hectares) and earth work in road / railway embankments or guide bundhs including item of leads, lifts, disposals, and transportation but excluding earth work in foundation filling or excavation in case of all structures including industrial structure.
- ii. **Type-B Earthwork** (relevant to and required for re-excavation /de-siltation /dredging of canals /channels /rivers / barrage ponds). Earthwork in excavation/ re-excavation /de-siltation / dredging of canals /channels /rivers/ sea front/ barrage ponds but excluding ponds and lakes, in dry or wet condition, including items of leads, lifts, disposal and transportation.
- Note: Credential for 'Type-B' earthwork may also be considered to ascertain similarity for works including 'Type-A' earthwork but 'vice-versa' cannot be considered. In order of words, bidders having credential of 'Type-A' earthwork will not be eligible for works involving 'Type-B' earthwork.
- b. **Brickwork /Boulder Masonry Work** (other than in Buildings): Brickwork/boulder masonry work and cement plaster.
- c. **Concrete work (including reinforcement and allied works in case of piling) other than those for buildings**: PCC inclusive of shuttering, formwork with staging, RCC of all grades inclusive of all reinforcements & insert plates & formworks-shuttering with staging complete & MS liners for bore piles & MS or special alloy sheet piles as cut-off walls or retaining walls in all types of hydraulic structures, concrete pavement and protection works, but excluding concrete works included under Cl. 7 II (g)below.
- d. **Structural Steel works**: All types of structural steel works including cast iron components but excluding reinforcement rods and all types of MS sheet piles complete.
- e. **Protection work**: All types of river/ canal / pond / embankment / road / coastal protection works using PCC / RCC / Bricks / Boulders / Bats / Polythene / Polypropylene / HDPE / Nylon / Jute / geo-jute / Bullah / MS sheet piles / Bamboos.
- f. **Road work**: All types of bituminous road / rigid pavement using RCC / PCC / other type of roads using boulder / brickbats / whole bricks / jhama bats / riverbed materials / moorum. In case of construction of PCC pavement upto maximum width of 3.5 m and meant for only 4-wheeler having Gross Vehicular Weight not exceeding 5.5 MT (maximum Axle Load of 3.5 MT, rates as 5R bridge as per IRC-6), PCC/RCC works executed in protection / lining / any other structures including building may also be considered in addition to the criteria stated in the foregoing sentence of this Para.
- g. **Building work**: All items related to brickwork, cement work including PCC and RCC, formworks, staging, shuttering, plastering, carpentry works, painting and flooring, plumbing, electrical connection all finishing items fittings & fixtures except draperies & furniture complete.
- h. Any other major item or conglomeration of items not mentioned above, namely procurement of goods, equipments, machineries, Tools & Plants, Mechanical, Electrical works, specialized jobs, Fitting, Fixtures etc. determined as Major items in respect of the SOR/BoQ of tendered items fulfilling the required criteria.
- i. Any other item contained in the PWD (SoR) or the I&WD, USoR not included herein above will be decided by the TEC with recommendation of Chief Engineer concerned.

Note: Mechanical and Electrical Circles are required to suitably prepare major items based on the above principle.

7. III. Monetary values of each of the 'major items' or 'conglomeration of items forming a major item' contained in the 'BOQ' of this e-tender is to be multiplied by a factor 0.40 to arrive at the minimum required Technical PQ Credential in terms of execution of similar items and clearly stated in absolute terms as amount in rupees in column 8 of 'List of Works'.

7. IV. If value of summation of those items contained in the BOQ of the AOC submitted by the bidder as its PQ Work Credential matches with at least one of the major items or conglomeration of items stated in the minimum PQ Credential at column 8 of the 'List of Works' in the e-tender and is equal to or exceeds the amount of any one of the PQ financial eligibility criteria specified at column 8, bidders PQ Credential may be considered as similar in work subject to fulfillment of the following conditions:

- a. After summation, the value may further be multiplied by the factors stated in the table under clause 7 (I) to take care of the inflationary factors.
- b. Whenever PQ Credential of individual entities of a Consortium/Joint Venture is considered, multiplying factor of 0.40 stated in Clause 7 III should be considered as **0.80** of combined values of the BOQ.

Note:-

- i. If the items of work contained in the tender are such that even after combination and addition of those into categories of major items defined as illustrated in clause 7 II, the aggregate amount being less than 25% of the amount put to

tender, the Tender Accepting Authority shall decide on appropriate major items, one or two among the list of predominant items in the tender BOQ and direct the Tender Inviting Authority to fix the financial PQ eligibility requirement (monetary value of such items) accordingly in column No. 8 of the list of works of the tender for determination similar nature.

- ii. Eligibility for similar nature of work will be judged on the basis of items of works in the BOQ/SoR of the that particular serial of work in the e-tender, mentioned in absolute terms in rupees, and the corresponding Major items with that of the AOC with BOQ uploaded by the bidder as PQ work Credential in support of the CC.

7. V. Eligibility criteria based on average annual financial turnover of the bidder:

- a. Apart from satisfying eligibility criteria based on PQ Credential stated in Clause 7 I to IV, the Annual financial Turnover requirements stated below must also be satisfied to declare a bidder qualified for a particular work in financial bid stage.
- b. **Average of Annual turnover from business of any three FY with the zone of immediate preceding five F.Y as stated in clause 4.2 B(IV) should be at least 30% of the amount put to tender of work in which the bidder intends to participate.** However, for Consortium/JV, such Average Annual Turnover should be at least 90% of the amount of tender in which the Consortium /JV intends to participate and each entity should have 20% of required Average Annual Turn Over for three preceding financial years. Documents sought under Technical & OID cover folders are mandatory for all the entities of the Consortium/JV.
- c. **'Net financial worth' of the bidder should be positive in the three financial years for which the Annual turn over documents referred under 7Vb. have been uploaded, for qualifying in technical bid. It would inter alia mean that the total assets of a financial year minus Gross total liabilities as per Audited Balance Sheet should be of positive value.**

8. Additional eligibility criteria for participating in more than one serial of work in ae-NIT

If the same bidder bids separately for on behalf of another Firm or in a different capacity having financial interests in the same work, all the tenders would be rejected.

9. Equipment Planning

Following list of equipment is provided for guidance of the bidders. After completion of evaluation of the bids in accordance with provisions of Para 15.4,15.5, 15.6 & Para 16 of this e-NIT, Letter of Invitation (LOI) / Letter of Acceptance (LOA) will be issued to the successful bidder in accordance with Para 18. The successful bidder, now qualified as contractor, shall be required to submit a 'Work Programme' as defined in **Para 22** on receipt of the LOI/LOA. The contractor shall also be required to furnish a list of major equipments to be deployed at site for execution of the work. One such list is provided below for guidance of the bidders. The Contractor is at liberty to modify the type and number of equipment commensurate with the 'Physical Milestones' defined in Para 22. **Failure of submission of list within the same extended time line as allowed for submission of the 'Work Programme' (vide Para 22) will attract penal action by the TAA in accordance with provision of Para11.D.x.**

List of equipment

Sl. No.	Description / Type of Equipment	Total Numbers
1.	Excavators / Earth movers.	N.A
2.	Truck or Tractor or any other mechanical means for transportation.	N.A
3.	Concrete Mixer Machine of One bag Capacity	N.A
4.	Sieve analysis equipment	N.A
5.	Auto Level.	N.A
6.	Cube Moulds	N.A
7.	Slump cone	N.A
8.	Soil Compactor	N.A
9.	Water Tankers (Moveable)	N.A
10.	Neddle Vibrator (60 mm./ 40 mm.)	N.A

10. Penalty for suppression / distortion of facts and withdrawal of L1 bidder before acceptance of LOI

If a contractor/bidder fails to physically produce the originals of documents (especially the Credential Certificates and P/L accounts with audited balance sheets), or any other bid document on demand by the Tender Evaluation Committee (TEC). which were submitted as soft copies in PDF files with their e-bids within a specified time frame, need arising due to any material deviations detected in the uploaded soft copies, leading to specific doubts which could not be cleared by enquiry from issuing authority of these documents or if there is any suppression/distortion/falsification noticed/detected/ pointed out at any stage of the e-tender process at any stage prior to signing of Contract-Agreement or the issue of LOA or AOC, the Tender Inviting Authority will immediately bring the matter to the notice of the concerned Chief Engineer and appropriate penal measures as stated in Clause 11 below will be taken. The concerned Chief Engineer then will issue the necessary order in writing with intimation to the defaulting contractor/bidder, other

Chief Engineers, Centralized e-Tender Cell and also the Government in the Irrigation & Waterways Department. Copy of the order/starting penal measures should invariably be communicated to the Nodal Officer, e-Governance Cell of the Department with a request for uploading the order in the Departmental website in the link "List of suspended/debarred contractors".

11. PROCEDURE FOR SUSPENSION AND DEBARMENT OF SUPPLIERS/CONTRACTORS

A. SCOPE:

The procedures laid down in subsequent paragraphs shall govern the suspension and debarment of suppliers, contractors and bidders ("Contractors" for brevity) involved in Government procurement for offenses or violations committed during competitive bidding and contract implementation, or even later for the works under Irrigation & Waterways Department, Government of West Bengal. The concerned Chief Engineer shall publish the suspension and debarment order in the Departmental website in the designated link with the prior approval of the Department within 1 (one) working day of issuance of such order. The TIA shall recommend the case to TEC who with opinion of Chief Engineer will place it before DTC for approval.

B. PROHIBITION ON SUSPENDED / DEBARRED PERSONS / ENTITIES TO PARTICIPATE IN THE BIDDING OF GOVERNMENT PROJECTS / CONTRACTS OF THE DEPARTMENT

A person / entity that is suspended / debarred by a procuring entity shall not be allowed to participate in any procurement process under Irrigation & Waterways Department during the period of suspension / debarment unless the same has been revoked by the competent authority.

A Joint Venture or Consortium which is suspended / debarred or which has suspended / debarred member/s and/or partner/s as well as a person/entity who is a member of suspended / debarred Joint Venture or Consortium shall, likewise, not be allowed to participate in any procurement process under Irrigation & Waterways Department during the period of suspension / debarment unless the same has been revoked.

C. DEFINITION OF TERMS:-

i. **Bidder:** A person/Contractor/Agency/Joint Venture/Consortium/Corporation participating in the procurement process and/or a Person/Contractor/Agency/Joint Venture/Consortium/ Corporation having an Agreement/ Contract for any procurement with the Department shall be referred as bidder.

ii. Bid Evaluation Committees or Tender Evaluation Committees (TEC)

a. Amount put to tender above Rs 100.00 lakh upto Rs 500.0lakh.

'Bid/Tender Evaluation Committee' (TEC) for the bids invited by the Superintending Engineer attached to Chief Engineer, west beyond Rs.100.00 lakh up to Rs. 500.00 lakh committee will be comprising of i) Chief Engineer, west as Chairman ii) Superintending Engineer attached to Chief Engineer, west as Member, iii) Executive Engineer & T.A to, Chief Engineer (West) as Member.

Consolidated Debarment List: A list prepared by the Departmental Debarment Committee/Chief Engineer containing the list of bidders debarred by the Irrigation & Waterways Department, Government of West Bengal. The list would be displayed prominently in the designated link in website of the Department clearly stating the period of suspension/debarment.

iii. **Contract implementation:** A process of undertaking a project in accordance with the contract/Agreement documents.

iv. **Debarment:** An administrative penalty, in addition to the contract/Agreement provisions, disqualifying a bidder from participating in any procurement process under Irrigation & Waterways Department, Government of West Bengal for a given period.

v. **Debarred Bidder:** A Bidder who was disqualified by the competent authority of the Irrigation & Waterways Department, Government of West Bengal.

vi. **Department:** Irrigation & Waterways Department, Government of West Bengal

vii. **Entity:** A person/Contractor/Agency/Joint Venture/Consortium/Corporation participating in the procurement process and/or a Person/Contractor/Agency/Joint Venture/Consortium/Corporation having an agreement/ contract for any procurement with the Department shall be referred as entity.

viii. **Offence:** A violation or breach of the Constitution of India, laws, regulations, laid down procedure, etc. under Prevention of Corruption Act, 1988, Code of Criminal Procedure, 1973 u/s 195(1) and Section 197(1), Competition Act, 2007 and IT Act, 2000 as amended.

ix. **Procurement:** It is the act of buying goods, services or works from an external source. It is favourable the goods, services or works are appropriate and that they are procured at the best possible cost to meet the needs of the acquirer in terms of quality and quantity, time and location.

x. **Procuring Entity/Authority:** The officer authorized by the Irrigation & Waterways Department, Government of West Bengal for procurement.

xi. **Suspension:** Temporary disqualification of a bidder from participating in the procurement process of Irrigation &

Waterways Department for a period of 6 (six) months when an offence is made against a bidder.

D GROUNDS FOR SUSPENSION AND DEBARMENT

- i. Submission of eligibility requirements containing false information or falsified documents.
- ii.
- iii. Submission of Bids that contain false information or falsified documents, or the concealment of such information in the Bids in order to influence the outcome of eligibility screening or any other stage of the bidding process.
- iv. Unauthorized use of one's name/digital signature certified for purpose of bidding process.
- v. Any documented unsolicited attempt by a bidder to unduly influence the outcome of the bidding in his favour.
- vi. All other acts that tend to defeat the purpose of the competitive bidding such as lodging false complaints about any bidder, posting baseless allegation about any officer duly authorized by the Department, restraining any interested bidder to participate in the bidding process etc.
- vii. Refusal to accept an award after issuance of 'Letter of Acceptance' or enter into contract with the Government without justifiable cause.
- viii. Refusal or failure to post the required performance security/earnest money within the prescribed time without justifiable cause.
- ix. Subcontracting of the contract or any part thereof without prior written approval of the procuring entity.
- x. Failure solely due to fault or negligence of the Contractor, to mobilize and start work within the specified period as mentioned in the 'Letter of Acceptance' / 'Letter of Acceptance cum work Order' / 'Work Order' / 'Notice of Process' / 'Award of Contract' etc. ultimately resulting in rescind of the contract.
- xi. Failure to comply with the requirement of submission of the Work Programme and List of Equipment within the extended timeframe as stated in Para 22 & Para 11 and also to comply with the event of mobilization / deployment of equipments as per agreed and approved list and work programme.
- xii. Failure to fully and faithfully comply with the contractual obligations without valid cause, or failure to comply with any written lawful instruction of the procuring entity or his representative(s) pursuant to the implementation of the contract, ultimately resulting in rescindment of contract.
- xiii. For the procurement of goods, unsatisfactory progress in the delivery of the goods by the manufacturer, supplier or distributor arising from his fault or negligence and / or unsatisfactory or inferior quality of goods, vis a vis as laid down in the contract.
- xiv. Refusal or failure to upload a self-declaration in specimen format of Form-4 to the effect of any previous debarment imposed by I&WD, any other Department of State Government and or Central Government.
- xv. Willful or deliberate abandonment or non-performance in a project or contract by the contractor / suppliers resulting to substantial breach thereof without lawful and / or just cause(s).
- xvi. The Additional Performance Security shall have to be submitted by the selected L1 bidder after issuance of Letter of Acceptance / Letter of Invitation (LoA/LoI) within next seven working days and before issuance of Award of Contract (AoC) in the form of "Bank Guarantee" of any Scheduled Bank approved by RBI, payable at Kolkata or / in West Bengal, as per specimen format Form-6. Else, its/their Earnest Money Deposit (EMD) will be forfeited without any prejudice by the Tender inviting authority.

E. CATEGORY OF OFFENSE:

- a. First degree of offense: Clause 11 D (i) up to (vii), (xiii) & (xv) is to be considered as first degree of offense.
- b. Any of the offence under Clause (viii) to (xii) & (xiv) shall lead to termination of contract and its determinations in accordance with Clause 2 & Clause 3 of Agreement in Form No. WB-2911 and simultaneous debarment for a period of 2 years
- c. Second degree of offense: Any one of the offenses as mentioned under Clause 11D (i) to (xiv), committed by a particular bidder/contractor/supplier on more than one occasion would be considered as second degree of offense. Period of debarment will be 2 times the corresponding period penalty applicable for 1st degree offence in addition to other penal provisions contained in 1st degree offence.

F. DEBARMENT PROCEDURE AND RULES WITH GUIDING PRINCIPLES are published as Departmental Notification to be read in conjunction with corrigenda issued thereto from time to time available in the Notification link of Departmental website wbiwd.gov.in.

G. PENALTY FOR OFFENSE:

- a. For committing 1st degree offense any of the cases referred under Clause 11 D (i) to (v), forfeiture of earnest money and debarment for a period of six months, if the offense is detected during technical evaluation. If the offence is detected after award of the contract and if the offender happens to be the agency selected for work, and such selection is made due to oversight, forthwith termination of the contract and determination of contract value in accordance with clause 3(ix)

(c) of West Bengal Form No. **2911**, and simultaneous debarment for a period of six months. Further, in case the offense is detected after completion of work and payment of final bill the Work credential earned would be declared as 'null and void', so that the same cannot be used in future as PQ credential for securing other works contracts in the Irrigation & Waterways Department, together with debarment for a period of six months.

- b. For committing 1st degree offense in any of the cases referred under Clause 11D (vi), (vii),(xiii) to (xv), forfeiture of earnest money and debarment for a period of one year. For committing offenses under Clause 11D (xv), debarment period shall be for one calendar year preferably from the date on which the due date for submission of BG had expired(i.e. 8th/15th working day from date of receipt of LOA /LOI) by the Departmental Debarment Committee to be notified in the Departmental website.
- c. For committing 1st degree offense in any of the other cases under Clause 11 D (viii) to (xii), termination of contract and its determination in accordance with Clauses 2 & 3 of West Bengal Form No. **2911**, including debarment for a period of two years.
- d. For committing 2nd degree offenses under above all categories, period of debarment will be twice the corresponding period for 1st degree offenses, in addition to other penal provisions for 1st degree offense.

12. Taxes & duties to be borne by the Contractor/bidder

All taxes, duties & cess which may not be limited to income tax, GST, royalty, construction welfare cess & labour insurances, EPF etc. are to be borne by the contractor. Rates of items contained in the tender BoQ are inclusive of all the taxes, duties & cess stated above which are enforced on the date of publication of this e-NIT. It is reiterated that there shall not be any change of bid price in the contract. In case of variation of rates of taxes, duties, cess etc. during construction period, no extra claim on these accounts shall be allowed. The bidders are required to bid (i.e. below/Above/At-par BoQ as the bidder decides.

13. Site inspection prior to submission of tender

Before submitting a bid, 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 during 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. In this connection intending contractors/bidders are advised to attend the 'Pre-Bid' meeting with the Tender Inviting Authority on the prefixed date to get his/her doubts cleared if he/she desires. He/She may also contact the office of the **concerned Executive Engineer**, inbetween 11.30hours to 16.30 hours on any working day, prior to the date of actual submission of e-bid in the e-tender.

14. Conditional and incomplete tender

Conditional and incomplete tenders are liable to be summary rejected. No off-line document will be entertained until completion of e-Tender process by way of acceptance of L1 bid by the competent Tender Accepting Authority/Government.

15. Opening and evaluation of tender

15.1 Opening of a Technical Proposal

- i. Technical proposal will be opened by the Tender Inviting Authority or his/her authorized representative/s electronically in the official website stated earlier, using their authorized valid Digital Signature Certificate/s(DSC).
- ii. Intending contractors/bidders may remain present if they so desire.
- iii. Technical cover documents (vide Clause 4.2.A) will be opened /decrypted first and if found in order, Cover (Folder) for OID (vide Clause 4.2.B) will be opened/decrypted. If there is any deficiency in either of the Technical cover documents, the bidder may be summarily disqualified and rejected.
- iv. Decrypted (transformed into readable format) documents of the Pre-Qual Technical cover and the OID (Other Important Document) Cover will be decrypted/downloaded and handed over the decrypted bid documents in soft and hard copies to the designated Tender Evaluation Committee.
- v. Procedure to be followed for opening of a '*Financial bid*' is explained later under clause 15.5 of e-NIT

15.2 Bid/Tender Evaluation Committee

Tender Evaluation Committee of Irrigation & Waterways Directorate comprising of i) Chief Engineer, West as Chairman ii) Superintending Engineer attached to Chief Engineer, West as Member, iii) Executive Engineer & T.A to, Chief Engineer (West), as Member will evaluate the Technical Proposal of the bidders for e-tenders vide Department's Office Memorandum No: 28-W/2024-25, Dated: 21.02.2025 and partial modification Memorandum No: 05--W/2025-26, dated- 26.06.2025)

15.3 Uploading of list of technically qualified contractors / bidders in the web portal/s

- i. After electronically decrypting on the designated date and time the e-bids received, all the bids will be admitted for downloading of documents without verification by the TIA and placed before the TEC for evaluation. The bidders shall receive an automated message through e-mail/text message that their bids have been decrypted. The TEC shall within a minimum of 2(Two) working days scrutinize the bids and Technical Bid opening Summary sheet (TBO) shall be uploaded by TIA pursuant to preliminary scrutiny and decision of the Tender Evaluation Committee (TEC) with reasons for preliminary rejection, and preliminary list of eligible bidders/ contractors for a particular serial of work whose Technical proposal have been considered for uploading in the web portal/s by the TEC.
- ii. While evaluating, the TEC may, if they so desire, summon the contractors/bidders and seek further clarification/information or seek verifications of original hard copy of any of/all the documents already submitted on-line, and if these cannot be produced within stipulated timeframe, their bids will be liable for rejection.

15.4 Process of Technical Evaluation during tender

Within 24 hours of uploading the TBO summary sheet containing Preliminary Technical Qualification result, any of the aggrieved bidder, may seek clarification / redress / review from the TEC on the list of bidders, in writing/through e-mail with supporting facts / figures / documents. If such clarification /review relates to eligibility of other bidders, on the grounds of submission of false/ forged / manipulated / inappropriate credentials, modalities prescribed in the Departmental Notification shall be followed. In case, the review only seeks the eligibility of the applicant himself, views of the Tender Evaluation Committee (TEC) would be communicated in writing to that bidder within next two (2) working days. If the bidder is not satisfied with the clarification of the TEC, he/she may appeal to the Secretary, I & W Department within 24 hours of receipt of communication from the TEC. The Secretary, I & W Department will dispose such complaints jointly, in associated with at least another available Chief Engineer, I & W Dte. within next 2 working days.

Thereafter final Technical Evaluation Sheet (TBE) of the technically qualified bidders would be uploaded, after incorporating modifications if required. The TIA shall while uploading the final TBE summary sheet accept or reject electronically the admitted bids based on the advice of TEC as per TBE summary sheet. Thus at this stage the rejected bidders will get back their EMD. e-mail communication in official e-mail address of TIA or TAA shall be treated as a valid mode of communication. The minimum time period from date of TBO summary sheet uploading and TBE summary sheet uploading shall be 4 working days or more. However, this time period may be curtailed if no clarification/review by any of the bidders within 24 hours of uploading the TBO sheet.

Power is delegated to TEC to verify the authenticity of bid documents by physically summoning the applicant bidder on the basis of specific doubts which could not be cleared, which shall be exercised in exceptional cases, offline verification before issue of LOA needs to be avoided. Only when all other methods of undertaking verification have been exhausted, and there is ample reason to believe that fairness of the technical bid evaluation of the tender cannot be ensured without such action. Prima-facie, if there is not enough reason to doubt the authenticity of the bid documents, physical summon of the bidder shall be avoided, as after determination of L1 bid in financial bidding and before issuance of LOA, all the on-line documents would be verified with the originals by the Accounts & estimating branches of the designated Executive Engineer, and reported to the Tender Accepting Authority prior to the issuance of LOA.

15.5 Opening and Evaluation of Financial Proposal/bid

- i. Financial proposals of the bidders/contractors declared technically qualified by the Tender Evaluation Committee (TEC) will be opened electronically by the Tender Inviting Authority in the web portal stated above on the pre- notified date and time.
- ii. The encrypted copies will be decrypted and the rates will be read out to the contractors/ bidders remaining present at that time, else they may login their respective e-tender accounts to see the (CS) comparative statement in the web portal.
- iii. After opening the financial proposal, the preliminary summary result containing inter-alia the names of contractors/bidders and the rates quoted by them will be uploaded and the result will be made available in the e-tender web platform.
- iv. If the Tender Accepting Authority (TAA) is satisfied that the rate obtained is fair and reasonable and there is no scope of further lowering down of rate, he/she may after having the comparative statement test checked by the Divisional Accountant / Divisional Accounts Officer attached to the office of the concerned Executive Engineer and after their acceptance by the Tender Acceptance Authority (TAA) instruct the Tender Inviting Authority to upload the financial bid evaluation summary as result containing the name of contractors/bidders and the rates quoted by them against each work.
- v. If there is any scope for lowering down of rate in the opinion of the Tender Accepting Authority being abnormally high, i.e. above 10% of the amount put to tender (Tender value), the e-NIT shall be cancelled and invited afresh 2nd or 3rdre-tender. **No post tender negotiations are permitted.**
- vi. If there is no contractor/bidder or the number of contractors / bidders in the 1st tender is less than three, the e-tender

has to be cancelled. In case of participation of more than three bidders, if the number of technically qualified bidder falls below three, the tender/e-NIT is to be cancelled as well and fresh e-tender vis-a-vis 2nd call e-Tender or even 3rd call e-Tender may be invited by suitably lowering of minimum eligibility PQ criteria (work & financial) for bidders with wide publicity of Re-tender notices through electronic and print media.

- vii. Final result after acceptance of the rate by the Tender Accepting Authority, if within the delegated power of acceptance would have to be uploaded in the e-Procurement platform. Otherwise, the matter may be referred to the Government Appointed DTC and the appropriate Government for decision.
- viii. The Tender Accepting Authority may ask the L1 bidder/contractor to submit analysis of rates to justify the rate quoted by that bidder after declaration of financial bid evaluation result.
- ix. If the lowest (L1) bidder/contractor backs out there should be Re-tendering in a transparent and fair manner. In such a situation the TIA may call for re-tender with bid submission time period should normally be 21 days for value above Rs.100.00 lakh.

15.6 Procedure to be followed for final acceptance of tender & Award of Contract

- i. The lowest (L1) financial bid for all works tenders is accepted as a rule. If for any reason the lowest (L1) bid 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.
- ii. Maximum 5 % excess beyond the 'Tender Value' (Amount put to Tender) may be accepted as per delegated power to the **Superintending Engineer up to Rs 2.50 crore**, and at least three valid bids have been received in the financial bid stage, provided tender value after abatement is within the administratively approved cost. Maximum 5 % excess beyond the 'Tender Value' (Amount put to Tender) may be accepted above tenders of value beyond **Rs 2.50 crore up to Rs. 5.00 crore by the Chief Engineer** if at least three valid bids have been received in the financial bid stage. In case of 5% excess over administratively approved amount, proposal for revised administrative approval would have to be submitted to the Government, but acceptance of tender and issue of work order may not be kept pending for want of revised administrative approval.
- iii. Above 5% and up to 10% of the Tender Value can be recommended to the Government for acceptance by the Departmental Tender Committee (DTC) subject to the conditions that valid technically qualified bids should not be less than three and L1 bid is accepted and tendered 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 tender, and issue of work order may not be kept pending for want of Revised Administrative Approval/ Revised Financial sanction.
- iv. If the response to an e-Tender is less than three, then Tender should be invited afresh. Such Re-Tender notice shall be published in widely circulated dailies as per guidelines and also through e-Tender web portals. Prior to invitation of Re-Tender / fresh e-Tender, the eligibility criteria and other terms & conditions as contained in the first 'Notice Inviting e-Tender' (e-NIT) shall have to be reviewed /relaxed by the Tender 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.
- v. If the number of valid bids received even in re-tender is less than three, it should be referred by the TIA to the DTC and the appropriate Government along with the recommendation of the DTC for decision, in accordance with Finance Department Memorandum No- **2320-F(Y) dated 7th June 2022** and other relevant orders in vogue at the time of publication of the tender.
- vi For acceptance of L1 bid after 2nd / 3rd re-tenders is still above 10% of the Tender Value (Amount put to tender), upon specific recommendation with justification of the DTC as mentioned at clause 15.5 (v), with that of the Department shall have to be sent to the Finance Department for decision..

16. General guidelines for acceptance of e-Tender

Lowest valid rate should normally be accepted in accordance with the procedure laid down in clause 15.6. In case of tie bid, keeping the discovered L1 rate as ceiling, sealed bids may be invited from all the L1 bidders and out of those the lowest one may be selected. If none of the L1 bidders is ready to offer further reduced rates the existing Finance Department Memorandum No.2320-F(Y) 7th June 2022 or latest order should be followed. However, The Tender Accepting Authority reserves the right to accept or even cancel the tender and invite fresh re-tender.)

17. Tender Accepting Authority*

As per delegation of power for tender acceptance, competent accepting authorities for different values of tenders is stated below, provided at least three valid bids are received in the financial bidding stage of the tender/Re-tender:

- i. **For tenders above Rs.100 Lakh up to Rs 250.00 lakh plus 5%*: Superintending Engineer of the circle, Irrigation & Waterways Directorate.**

ii. **For tenders above Rs 250.00 lakh up to Rs.500.00 lakh*: Chief Engineer, West, I&W Directorate, Kanainatsal, P.O – Sripally, Dist. – Purba Bardhaman.,**

* Procedure to be followed in terms of Finance Department Notifications on delegation of powers for acceptance applicable at the time of bid acceptance, F.D. Order No.2320-F(Y), Dated- 07.06.2022 with its revision if any, may be strictly followed, where DTC has been constituted as per I&WD's Memorandum No.02-W/2025-26 Dated- 11.04.2025.

18. Signing of formal tender contract/agreement after acceptance of e-tender

The contractor/bidder, whose bid is approved for acceptance, shall within 15 days of the receipt of Letter of Invitation (LOI) or Letter of Acceptance (LOA) in his / her favour, will have to execute a 'Formal Agreement' with the Engineer-in-Charge in quadruplicate in **W.B.F. 2911** and all other contract documents, entire set of which may be obtained free of cost from the office of the concerned **Executive Engineer** in-charge of the work tendered.

If the selected L1 bidder fails to turn up even after 30 days after the initial 15 days from the date of uploading of the AOC in the e-Procurement portal or the dispatch date of official communication for signing of the Contract/Agreement, the selected bidder is liable for penal actions which shall comprise blacklisting, debarring from future participation in Government tenders, immediate forfeiture of the Earnest Money deposited in the tender, other penal actions as stipulated under clause 10 & 11 of the e-NIT, the Departmental Notification and also contained in contract W.B Form No. **2911/ Agreement**.

19. Payment against bills raised by the contractor

Periodic Tax invoice/bills containing bidders GSTIN & other details needs to be submitted by the supplier/contractor to the DDO for raising claims for receiving payments of work executed under this contract /upon achieving physical Milestones clearly showing separately the Tax charged in accordance with the provisions of the GST Act, 2017.

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.

20. No cost escalation in any form is included in the Tender Contract Agreement.

21. Bid validity

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

22. Physical Milestones & Work Programme:

The time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor, and which shall be reckoned from the date on which the order to commence work is given to the contractor. The work shall throughout the stipulated period of the contract be proceeded with all due diligence. Time being deemed to be the essence of contract on the part of the contractor; the contractor shall be bound in all cases, to achieve the 'Milestones' as specified in this NIT into various 'Identifiable and quantifiable construction related stages' pertaining to the work. For all works the contractor within 15 days of receipt of Letter of Acceptance shall submit a work programme commensurate with period of construction in the form of a Bar Chart of uploaded work programme, stating the timeline of such different Milestones. Such timeline may be extended by another 15 days, in consideration of merit of such extension to be prayed by the contractor and failing this time limit will attract penal action by the TAA in accordance with provision of Para 11.D.x. In the event of the contractor failing to comply with any of the conditions related to achieving the 'Milestones' within the specified time period prescribed for such 'Milestone' plus one month, he/she shall be liable to pay compensation.

If the contractor fails to commence and/or maintain required progress over the total time allotted for its full completion and fails to complete the work and clear the site on or before the end of contract period or extended date of completion, he/she shall, without prejudice to any other rights or remedy available under the law on account of such breach, pay as agreed compensation to the implementing Department. This will also apply to items or group of items for which a separate period of completion has been specified. The bidder is required to digitally sign and upload the work programme in the form of Bar Chart or otherwise in the '**Declaration**' folder during bid submission for all works tenders.

23. Withdrawal of bid in a Tender

Withdrawal of e-Tender 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 L1 bidder/contractor penalized in terms of clause 9 referred earlier would be applicable.

24. Critical dates of this e-Tender :-

Sl. No	Activity	Date & Time	Remarks
1.	e-tender Publishing Date in Newspaper	19.02.2026 in newspaper 19.02.2026 at 10.00 Hours in website.	To be made available with the e-NIT in the website
2.	Document Download start date	19.02.2026 at 10.00 Hours.	
3.	Bid submission start date	19.02.2026 at 10.00 Hours.& onwards.	
4.	Pre-bid Meeting for only Work under to be held at the office of Tender Inviting Authority	24.02.2026 at 12.00 hrs. in the office chamber of the undersigned.	
5.	Document Download end date and Bid submission end date	12.03.2026 till 15.00 Hours.	
6.	Technical Bid opening date	16.03.2026 at 12.00 Hours.	Tentative Date to be finalised later stage.
7.	Technical Bid opening Summery sheet (TBO) containing Preliminary Technical Bid Evaluation Summary uploading date	To be notified later.	
8.	Uploading of final summery sheet of Technically qualified bidders or Technical Bid Evaluation Sheet (TBE)	To be decided by the TIA with clear 4 working days for disposal of complaints and obtaining decision of appellate authority.	
9.	Financial Bid opening date	After Final TBE	To be notified to concerned bidder/s through e-mail & SMS through auto-generation in the system.
10.	Uploading of Financial Bid Evaluation sheet (FBE)	To be suitably decided after acceptance of rate by competent authority.	
11.	Uploading of the Letter of Invitation / Acceptance (LOI/LAO)	To be suitably decided after uploading of FBE	
12.	Uploading of Award of Contract (AOC) (Work Order)	To be notified to concerned bidder/s after executing Formal Agreement	

*TIA: e-Tender Inviting Authority

*TAA: e-Tender Accepting Authority

Special Terms & Conditions of the contract

1. The Executive Engineer of the concerned Division shall be the Engineer-in-Charge in respect of the works contract and all correspondence 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 tender is made with Officers other than the Engineer-in-charge for speedy execution of works, the same will not be valid unless copies are sent to the Engineer-in-Charge and also approved by him/her. Instructions given by the Sub-Divisional Officer/Assistant Engineer and the Junior Engineer/Section Officer (SO) on behalf of the Engineer-in-Charge shall also be valid (who have been authorized to carry out the work on behalf of the Engineer-in-Charge) regarding specification, supervision, approval of materials and workmanship. In case of dispute relating to specifications and work, the decision of Engineer-in-Charge shall be final and binding. The Engineer-in-Charge will however take all decisions relating to works contract only after recommendation/ advice of the Tender Accepting Authority. If there is more than the Executive Engineer assigned for the tender, the Chief Engineer would designate the Engineer-in-Charge for the work.
2. In terms of W.B Finance Department Memorandum No.2320-F(Y) Dated 07.06.2022, **where ever more than one L1 bids are received in any tender Sl. of work**, keeping the discovered L1 rate as ceiling, sealed bids may be invited from all the L1 bidders and out of those the lowest one may be selected among L1 bidders. If none of the L1 bidders is ready to offer further reduced rates then for **items divisible nature** the work may be distributed equally among the consenting L1 bidders. If none of the L1 bidders is ready to accept reduced quantity, the bidder with higher credential based on the following manner, may be selected among L1 bidders that in i. In case of supply of goods, last three years average turnover of the bidder shall be considered ii. In case of execution of work / supply of service, value of single work/ service of similar nature completed during last 3 years shall be considered iii. In case of supply of man power, number of personnel supplied in a single contract during the last 3 years shall be considered. **For items not divisible in nature and if none of the L1 bidder is ready to offer further reduction of rates, the bidder with higher credential based on parameters, as mentioned in i.,ii.,iii. may be selected among L1 bidders.** The tender accepting authority reserves the right to reject any or all tenders without assigning sufficient justification thereof to the bidder/contractor. No additional or excess work or additional items of work beyond the tendered amount would be generally allowed. All excess, supplementary or substitute supplementary items of work, if unavoidable are to be accepted by the Tender Accepting Authority only if the total value of work on completion is within the tendered amount. The exiting contract would be terminated after achieving work up to tendered cost (gross value) and balance work would be taken up afresh after fresh sanction and new tender, except in the interest of public services, in rare & special cases under specific approval of the Government.
3. The Contractor/bidder shall have to comply with the provisions of (a) Contract Labour (Regulation & Abolition) Rules, 1970 including its revisions (b) Minimum Wages Act. 1948 and the modification thereof or any other laws relating thereto as will be in force from time to time.
4. Engineer-in-Charge shall not entertain any claim whatsoever from the contractor for payment of compensation on account of idle labour on such grounds including non-possession of encumbrance free land. Escalation of cost due to inflationary effects or any other reason is not permitted during construction period or extended time period of contract.
5. Engineer-in-Charge shall not be held liable for any compensation due to machines & equipments becoming idle or any circumstances including untimely rains, other natural calamities, strikes etc.
6. All statutory taxes, viz. GST / labour welfare cess, labour insurance etc. or revision of taxation rates even after AOC or commencement and before final completion of the work are to be borne by the contractor/bidder. Original tax invoice/challan or bill of those materials, which are procured by the bidder, may be asked to be submitted for verification if required.
7. Labour Welfare Cess @ 1% of the cost of construction works shall be deducted from the Gross value of all works bills. Also it is instructed to compulsorily register his/her establishment under the Act, under the competent registering authority, i.e. Assistant Labour Commissioner / Dy. Labour Commissioner of the region for disbursing PF and ESI benefits of workers. The bidder should be mandatorily be registered online with Employees Provident Fund Organization (EPFO) in the on-line system and possess EPF code and all current documents. Penalties and complaints due to non-compliance of on-line EPF registration and default is the full responsibility of the bidder even if the TIA is by default the Principal employer.
8. Adjustment of original bid prices/escalation cost/ mobilization advance / secured advance shall not be permitted for any reason whatsoever due to cost and time over run unless specified otherwise in the contract or the e-Notice Inviting Tender.
9. GST, Cess, License fees, Royalty for construction materials, forest product etc., Toll Tax, Income Tax, Ferry Charges and other Statutory Government Taxes as applicable during project implementation are to be paid by the contractor/bidder. The rates of supply and finished work items are inclusive of these taxes and levy. Tax invoice/bills needs to be submitted by the supplier/bidder for raising claims under the contract after attaining of physical milestones showing separately the tax charged in accordance with the provisions of GST Act, 2017.

10. All working tools & plants, scaffolding, construction of vats & platforms and arrangement of Labour Camps will have to be arranged by the contractor at his/her own cost. The contractor shall clear the site of work and restore all damages made due to the Labour camp, erection of yards and godowns, stores etc. within 30 days of completion of work.
11. The contractor shall supply mazdoors, bamboos, ropes, pegs, flags T&P, Machineries and equipments etc. for laying out the work and for taking and checking measurements for which no extra payment will be made.
12. The contractor/bidder should see the site of works and tender documents, drawings etc. before submitting tender and satisfy himself/herself regarding the condition and nature of works and ascertain difficulties that might be encountered in executing the work, carrying materials to the site of work, availability of drinking water and other human requirements & security etc. Work on river banks may be interrupted due to a number of unforeseen reasons e.g. sudden rise in water levels, inundation during flood, inaccessibility of working site for carriage of materials. Engineer-in Charge may order the contractor to suspend work that may be subjected to damage by climate conditions. No claim will be entertained on this account. There may be variation in alignment, height of embankment or depth of cutting, location of revetment, structures etc. due to change of topography, river condition and local requirements etc. between the preparation and execution of the scheme for which the tendered rate and contract will not stand invalid. The contractor will not be entitled to any claim or extra rate on any of these accounts.
13. A machine page numbered Site Order book (with triplicate copy) will have to be maintained at site by the contractor and the same has got to be issued from the Engineer-in-Charge before commencement of work. Instructions given by inspecting officers not below the rank of Assistant Engineer will be recorded in this book and the contractor must note down the action to be taken by him in this connection as quickly as possible.
14. The contractor shall be bound to comply with all the Central & State Pollution Control Acts & Rules during entire construction period.
15. All possible precautions should be taken for the safety of the people and work force deployed at worksite as per safety rule in force. Contractor will remain responsible for his labour in respect of his liabilities under the Workmen's Compensation Act etc. He must deal with such cases as promptly as possible. Proper road signs as per P.W.D. practice will have to be erected by the contractor at his own cost while operating public thoroughfares. Also, display boards containing brief description and name of project with completion target dates shall be erected at a prominent location at the work site by the contractor for public awareness. Insurance of workers and materials is the responsibility of the bidder during entire construction period.
16. The contractor will have to maintain qualified technical employees and/or Apprentices at site as per prevailing Apprentice Act or as stipulated in the contract. No compensation for establishment charge will be entertained.
17. The contractor will have to accept the work programme as per modifications and priority of work fixed by the Engineer-in-Charge so that most vulnerable reach and/or vulnerable stretch is completed before impending monsoon or rise in river flood water level or commencement of canal irrigation water release or for other suitable reasons.
18. Quantities of different items of work mentioned in the departmental tender schedule/BOQ or in work order are only tentative. In actual work, these may vary considerably. Payment will be made on the basis of works actually completed in different items as per specifications and codes, and no additional claim will be entertained for reduction of quantities in some items or for omission of some items. For execution of any additional item or supplementary works within the tendered value with the total completion value remaining within the accepted tendered cost, approval of the Tender Accepting Authority/Government in the Irrigation & Waterways Department would be required.
19. In order to cope with the present system of e-pradhan billing, departmental supply of construction materials is discouraged. However, Departmental materials may be issued to the contractor/ bidder to the extent of requirements as assessed and following accounts procedure in the Treasury system of bill payment and in installments as decided by the Engineer-in- Charge. Issue of materials may be of three categories.
 - a) Materials issued directly to the work and subject to recovery.
 - b) Materials issued from departmental go down and subject to recovery.
 - c) Materials issued free of cost.

Decision of the Engineer-in-Charge should be final and binding in this regard. He also stands solely responsible for reconciliation of accounts, if materials are issued to the contractor.

20. Any materials brought to site by the contractor subject to approval of the Engineer-in-Charge. The rejected materials must be removed by the contractor from the site at his own cost within 48 hours 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 phase with due intimation to the Sub-Divisional Officer/Assistant Engineer concerned in conformity with the progress of the work. For special type of materials, i.e. Geo Synthetic Bags, HDPE Bags, Geo Textile Filter, Geo jute Filter etc. if any, relevant Data Sheet containing the name of the Manufacturers, Test Report etc. will also be submitted in each occasion. Engineer-

in-Charge may conduct independent test on the samples drawn randomly before according approval for using the materials at site. In this regard decision of Engineer-in-Charge shall be final and binding. Payment will be made for Geo Textile Filter etc. subjected to the result of 3rd Party Testing, to be done by the Engineer-in-charge departmentally.

21. For materials under category 19(a), (b) &(c), the contractor will act as the custodian thereof. The materials will have to be carried from the nearest Departmental go-down to worksite by the contractor at his own cost. The contractor shall remain responsible for the proper storage and safety of the materials. Suitable Go-down/ Store shall have to be made by the contractor at his/her own cost. Penalty charges shall be levied at higher rate for loss, wastage, misuse. Surplus materials of the departmental if any, shall have to be returned to the issuing Go-down or store at the contractor's cost within the time frame as fixed by Engineer-in-Charge, otherwise, the cost at penal rate will be recovered from the bill. Indent for departmental materials shall be submitted by the contractor to the AE/S.D.O. at least 7 days in advance of actual requirement. No claim will be entertained for non-issuance of such materials in time but reasonable extension of time will be granted. All materials, whatever be the category thereof, shall be properly stored by the contractor in suitable go downs 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, wastage or loss of such materials.
22. The contractor shall also have to satisfy the Engineer-in-Charge regarding the proper utilization of materials which have been issued departmentally.
23. Value of the material, under category (a) & (b) of clause 19, will be recovered from the bills of the contractor in one or successive installments as may be decided by the Engineer-in-Charge.
24. Requisite quantity of cement as may be required for the work will be supplied from the nearest Departmental go down if stock permits. The issue rate of cement is shown in the Schedule of materials attached. Any excess consumption of cement by more than 5% over the final consumption statement drawn up as per consumption rate specified in the Schedule will be recovered at a penal rate shown in schedule.
25. Reinforcement steel rods/MS sheet piles/bitumen will be issued if stock permits, from the nearest departmental go-down where such material is available in marketable length/quantities. While issuing the same, for any particular work the quantity actually required as per approved drawing shall only be issued. While executing the work, it will be responsibility of the Contractor/bidder 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 issued will be made at the issue rate shown in the Schedule below. In case of misuse over +10%, deduction will be made at a penal rate shown in the Schedule below. This whole principle shall apply in case of other M.S materials like sheet piles and structural steel members as well.
26. The work is to be executed strictly as per specification attached with e-NIT and shall confirm relevant Indian Standard Codal provisions and good industry practice. In the absence of any such provision in some items, the tending authority reserves the right to adopt suitable International Code/specifications/standards.
27. All queries and disputes arising out of the works contract during construction phase are to be brought to the notice of the Chairman of the 'Department Dispute Redressal Committee' in writing for decision within 15days.
28. Contractor(s) should have to ensure the mandatory engagement of job card holders as unskilled workers for execution of awarded work, in order to implement the "Karmashree" Scheme launched by the State Government. They also have to submit periodic statement on such engagement to the Engineer-In-Charge in the prescribed format as per Memorandum No. 20-IW/2024-25 dated 19.07.2024 of I. & WD, Govt. of West Bengal.
29. SCHEDULE OF RECOVERY RATES OF DEPARTMENTALLY SUPPLIED CONSTRUCTION MATERIALS

Sl. No.	Name of materials	Issue rate (in Rs.)	Unit	Penalty recovery rate for loss or misuse or wastage (if otherwise not mentioned specifically in the SoR)	Place of delivery
01	Cement		MT	2 (Two) times issue rate	Departmental Godown
02	Reinforcement steel rods, structural steel members, M.S. sheet Piles		M.T.	2 (Two) times issue rate No Departmental supply of Material	-do-
03	Bitumen		M.T.	2 (Two) times issue rate	-do-

Note: Latest tender related orders of Irrigation & Waterways Department and Finance Department of Government of West Bengal issued before Bid submission end date will be applicable for all clauses of this tender notice.

Sd/-
Superintending Engineer
Attached to Chief Engineer, West
Irrigation & Waterways Directorate

(DIGITAL SIGNATURE IS SUFFICIENT)

Additional Terms & Conditions of the Tender

Canal SCADA Automation – Annual Maintenance Contract (AMC/O&M)

1. Scope of AMC

The AMC shall cover comprehensive maintenance of the complete Canal SCADA Automation system including hardware, software, communication systems, power supply systems, field instruments, networking and cyber security components.

- a) Remote monitoring, control, operation & maintenance at Integrated Command Control Centre at Server level, Master PLC level, SCADA level and ICCC local network level.
- b) ICCC database management, SCADA software & SCADA historian development (development, new parameter integration), SCADA software & historian maintenance in unhealthy condition.
- c) Maintenance of existing network between RTUs and ICCC, Local network at ICCC & each individual location by routine inspection and resolving of appeared technical communication issue.
- d) Maintenance of Each RTU PLC, Spot panel of the existing system, routine inspection and submission of report along with upgradation of PLC programming on existing system as per department criteria.
- e) Maintenance of water level sensors, velocity sensors, data-logger panel of each 44 locations, routine inspection and submission of report along with periodical data validation & sensor recalibration.
- f) Remote operation from ICCC as per instruction from departmental officials, maintaining record in register along with 24 x 7 monitoring of all location status in SCADA system.
- g) Maintenance of each location (Including ICCC) power supply system, Power DB, DG set, Power cable, UPS with battery along with routine inspection & submission of report.
- h) Gate operation from RTU panel and spot panel as per departmental official instruction in Co-ordination with ICCC, maintaining of gate operation register, local monitoring related to gate mechanical issue, foreign particle obstacle to gate movement.

Detailed job description

(I) Job description related to software developer related to item 1.1:

I.A. Hardware & Operating System

- Routine inspection of SCADA servers (Application Server, Historian cum Database Server, Web Server, Engineering Workstation, Redundant Backup in the Servers) & reporting.
- Monitoring of CPU, memory, disk utilization, and hardware health status reporting.
- Preventive cleaning of server racks, cooling systems, and power supply connections.
- Checking RAID arrays, storage devices, and redundant power supply units reporting.

- Regular OS patching and security updates as per OEM recommendations.

I.B. Database & Historian

- Monitoring database performance and storage usage.
- **Backup and archiving of historical data to prevent overflow.**
- Ensuring availability of daily, weekly, and monthly backups, with periodic restore tests.
- Optimization of historian queries and response times for trend analysis and reporting.

I.C. SCADA Application Software

- Preventive checks of SCADA application processes and services, & reporting.
- **Verification of redundancy switchover (Primary ↔ Secondary Server).**
- Ensuring real-time data logging, alarm/event recording, and reporting functionalities.
- Application patch updates, bug fixes, and license management.

I.D. Cyber Security System

- Antivirus/anti-malware updates and full scans.
- **Firewall and port monitoring for unauthorized access attempts.**
- **Regular password policy enforcement and user access audits.**
- Backup of system configurations and access logs.

I.E. Power & Environmental Systems

- Ensuring uninterrupted power supply through UPS, DG backup, and redundant power lines.
- Preventive testing of UPS batteries and load transfer mechanisms & reporting.
- Temperature and humidity monitoring of server room.

(II) Job description related to IT/Network Software support & DBMS Technician/Engineer related to item 1.2:

II.1 PLC & VFD Level Maintenance:

II.1.A Hardware & Power

- Visual inspection and cleaning of PLC racks, VFD, power supply modules, I/O cards, and controllers.
- Verification of redundant PLC configuration (Hot/Standby systems).
- Preventive replacement of weak/damaged terminal connections, relays, and fuses.
- Power supply voltage/current monitoring and grounding checks.

II.1.B PLC Software & Logic

- Backup of PLC logic programs and configurations.
- Preventive check of PLC scan times, memory usage, and diagnostics logs.
- Verification of interlocks, set points, and control sequences for canal gate operations.
- **Ensuring synchronization of PLC time with SCADA servers.**
- Preventive update of firmware and **patches as per OEM advisories.**

II.1.C Communication Interfaces

- Testing of Master PLC communication with field RTUs/PLCs via GPRS, fiber, or radio links.

- **Monitoring of communication error logs and data packet losses.**
- Ensuring proper functioning of redundant communication channels & reporting any defect.

II.1.D Alarm & Event Management

- **Verification of alarm/event generation from Master PLC to SCADA servers.**
- Preventive tuning of alarm thresholds for level, discharge, or gate position deviations.
- Validation of fail-safe and fallback modes in case of communication breakdown.

II.2 Preventive (Running) Maintenance at ICCC for Database Management Level

II.2.A Database Administration

- Ensuring optimal performance, reliability, and scalability of the database supporting SCADA software.
- Implementation of role-based access control for database users (if required).
- Index optimization, partitioning, and query performance tuning.

II.2.B Data Integrity and Security

- Routine checks to ensure accuracy and consistency of historical and real-time SCADA data.
- Implementation of database security policies:
 - User authentication and authorization.
 - Data encryption (in transit and at rest).
 - **Regular review of access logs for unauthorized activities.**
- **Backup and disaster recovery planning (onsite and offsite).**

II.2.C Data Backup and Recovery

- Automated backup scheduling (daily incremental, weekly full).
- Periodic testing of backup restores processes to ensure reliability.
- Archiving of historical data to manage storage efficiently without loss of critical records.

II.2.D Database Maintenance

- Regular patching and updates of the DBMS to address vulnerabilities.
- Routine database health checks (storage, CPU utilization, memory consumption).
- **Clean-up of redundant, obsolete, and temporary data.**
- Ensuring high availability and minimal downtime.
- **API/ODBC maintenance for third-party applications i.e. for other third-party application.**

II.2.E Reporting & Data Analytics

- **Maintaining historical logs for trend analysis of irrigation/water management data.**
- Ensuring report generation (daily, monthly, seasonal water distribution).
- Query customization support for operators/engineers.
- **Providing data exports in user-friendly formats (CSV, XLS, PDF).**

II.2.F Monitoring and Troubleshooting

- Continuous monitoring of database performance, uptime, and error logs.

- Proactive resolution of bottlenecks and query slowdowns.
- **Root cause analysis of SCADA-related database errors.**
- 24x7 support for critical system failures.

II.3 Preventive (Running) Maintenance for Network Section i.e. GPRS Communication level and Instrumentation Section i.e. Water Level & Discharge Measurement Sensing Level for RTUs at each of CR/HR gates of 44 no. locations in the Canal Automation Network:

II.3.1 Preventive Maintenance Activities

II.3.1.A Hardware Inspection & Maintenance & reporting

- Visual inspection of RTU enclosures for dust, moisture, insect entry, or corrosion & reporting.
- Cleaning of RTU panels, terminal blocks, and wiring to prevent short-circuits reporting.
- Checking of tightness of power, signal, and communication cable connections reporting.
- Verification of analog/digital signals from sensors to RTU/PLC & reporting.
- Verification of power supply units (SMPS, UPS, solar panel + battery where applicable) & reporting.
- Ensuring uninterrupted power supply (UPS/battery backup) for sensors and transmitters.

II.3.1.B I/O Modules & Controllers

- Functional testing of RTU controller, CPU, and I/O modules.
- Verification of all analog, digital, and pulse inputs/outputs with test signals & reporting.
- Calibration check of analog input channels for sensors (water level, discharge, gate position, etc.) & reporting.
- Ensuring control outputs to gate actuators or motors respond correctly.

II.3.1.C Communication Interface

- Testing of RTU communication ports (RS232/RS485/Ethernet/GPRS).
- Verification of protocol communication (IEC, DNP3, Modbus, or SCADA-specific).
- Checking of antenna, modem, and communication cable connections.
- Monitoring and logging of communication uptime with SCADA control center.

II.3.1.D Power Supply & Battery & reporting

- Checking AC/DC power supply voltage levels, current, and grounding & reporting.
- Preventive testing of batteries (backup/solar systems) – charge/discharge cycles & reporting.

II.3.1.E Environmental Protection

- Ensuring RTU enclosure & spot PLC panel enclosure doors, gaskets, and locks are intact and weatherproof.
- Preventive monitoring against rodents, insects, or water ingress & reporting.
- Ventilation/cooling checks where fans/filters & reporting.

II.3.2 Software & Configuration Maintenance

- Verification of RTU firmware and application software integrity.
- Backup of configuration, logic programs, and parameter settings.

- Preventive update/patching of firmware (if required by OEM).
- ***Ensuring synchronization of RTU time with SCADA server/central master.***
- Testing alarm/event logging functionality.

II.3.3 Data Validation

- Periodic cross-verification of RTU-measured values (level, discharge, gate position) with manual readings.
- Identification and rectification of data errors, drifts, or signal losses.
- Logging of calibration adjustments and corrections made time to time.
- Periodic validation of real-time level and discharge data against manual readings.
- Identification and rectification of erroneous, missing, or noisy data.
- Documentation of calibration results and corrective measures.

II.3.4 GPRS Modems & Communication Equipment

- Periodic inspection of GPRS modems, and communication terminals at RTUs in the machine rooms & reporting.
- Verification of SIM card validity, network availability, and signal strength at each RTU location & reporting.
- Checking modem configuration parameters for uninterrupted SCADA communication.
- Monitoring communication latency and packet loss; ensuring data transmission reliability to SCADA server.

II.3.5 Antennas and Cables

- Inspection of antenna alignment, mast stability, and grounding arrangements.

II.3.6 Machine Room Networking

- Monitoring of GPRS-based data reception, integration with SCADA software.
- Maintenance of switches, and LAN cabling associated with GPRS communication.
- Logging of downtime incidents and reporting corrective actions.

II.3.7 Water Level Sensors

- Preventive inspection and calibration of **non- contact RADAR type level sensors.**
- Cleaning of sensor faces and housings to prevent algae, silt, or debris interference.
- Checking sensor mounting arrangements and cable integrity.
- Calibration against manual gauge readings to maintain accuracy.

II.3.8 Discharge Sensing Instruments

- Preventive instruction & calibration of **combined- level & velocity sensors, and discharge measurement devices** installed in canal structures.
- Reporting of obstructions or deposits affecting sensor accuracy.
- Calibration of discharge sensors with reference flow measurements.
- Inspection of cabling, junction boxes, and signal conditioning units & reporting.

(III) Job description related to SCADA operator related to item 1.3:

III.A Operations & Monitoring

- Monitor real-time process parameters, alarms, and system status via SCADA
- Operate canal gates as per approved SOPs
- Ensure uninterrupted and stable system operation during assigned shifts

III.B Alarm Management & Incident Response

- Acknowledge, analyze, and respond to alarms promptly
- Identify abnormal operating conditions and take corrective actions within defined authority
- Escalate unresolved issues to maintenance or engineering teams

III.C Coordination & Communication

- Maintain effective communication with field operators and maintenance teams
- Support shift handovers by providing clear system status updates
- Follow instructions from supervisors and control room leads

III.D Logging & Reporting

- Maintain accurate shift logs, alarm records, and event histories
- Document incidents, actions taken, and system abnormalities
- Prepare daily and shift-based operational reports

III.E Safety & Compliance

- Follow plant safety rules, interlocks, and operational limits
- Ensure operations comply with regulatory and organizational standards
- Support emergency, shutdown, and restoration procedures

III.F System Checks & Data Accuracy

- Perform routine checks of SCADA displays and data integrity
- Identify communication or display issues and report them
- Ensure accuracy of process indications and trends

(IV) Job description related to electrician related to item 1.4:

IV.A Power Distribution Boards (DBs)

- Inspect, maintain, and troubleshoot LT power distribution boards and sub-DBs
- Ensure proper tightening of terminals, bus bars, MCCBs, MCBs.
- Identify and rectify overloads, short circuits, and earth leakage faults.
- Maintain panel cleanliness and labeling as per safety standards

IV.B Incoming Power Supply

- Monitor incoming power supply parameters (voltage, current, frequency)
- Coordinate power changeovers between utility supply and DG power
- Assist in meter readings, load balancing, and energy monitoring
- Report abnormalities such as voltage fluctuations or phase failures

IV.C Diesel Generator (DG) System

- Routine checking of DG health including fuel level, lubrication level, mobil level, battery voltage, coolant condition.
- Assist in DG start/stop operations and synchronization (if applicable)
- Coordinate periodic servicing and load testing.
- Resolve problems related to DG unhealthy condition.

IV.D Cable Lines & Wiring

- Routine inspection of cable, cable laying, control room wiring, panel wiring.
- Identify cable faults using testing instruments and rectify issues.
- Ensure proper cable dressing, tagging, and earthing.
- Maintain cable trays, conduits, and underground/overhead cable routes.
- Identify panel wiring problem and rectification.

IV.E Streetlight and indoor light

- Routine inspection of streetlight in each location.
- Rectify any issue related to streetlight.
- Changing of street light Timer time setting in according to different seasons.
- Routine inspection of indoor light in each location including ICCC.
- Rectify any issue related to indoor light.

IV.F Safety & Compliance

- Follow electrical safety procedures and lockout/tagout practices.
- Use PPE and always ensure safe working conditions.
- Maintain earthing systems and conduct periodic earth resistance checks.
- Comply with statutory regulations and site safety standards.

(V) Job description related to local gate operator related to item 1.5:

V.A Gate Operation

- Operate Canal gates (manual, electrical, or using HMI Panel) as per control instructions.
- Regulate water discharge based on river flow, upstream/downstream levels, and seasonal requirements.
- Coordinate gate opening and closing with ICCC.
- Ensure smooth and synchronized gate movements to prevent structural stress.
- Monitoring HMI healthy condition if any problem detect contact with maintenance team immediately.
- Identify mechanical or electrical faults and report to maintenance staff.
- Ensure emergency power or manual backup systems are operational.

V.B Monitoring & Control

- Continuously monitor water levels, flow rates, and gate positions
- Observe weather conditions and canal behavior for early warning.
- Report abnormal conditions such as excessive vibration, leakage, or obstruction

V.C Mechanical System Monitoring

- Continuously monitor mechanical components including hoists, wire ropes, chains, gears, shafts, bearings, brakes, and couplings.
- Observe abnormal sounds, vibrations, misalignment, overheating, or jerky gate movements.
- Check condition and tension of wire ropes, lubrication of moving parts, and wear of mechanical components.
- Ensure proper functioning of gate lifting mechanisms and emergency manual systems.

V.D Safety & Emergency Response

- Follow all safety procedures during gate operation.
- Assist in emergency water release operations.
- Ensure public safety by following warning protocols and signage procedures.
- Maintain communication with control room, engineers, and local authorities.

V.E Record Keeping & Reporting

- Maintain logbooks for gate operations, water levels, and discharge data.
- Record shift handover details and operational instructions.
- Assist during inspections, audits, and technical surveys.

❖ Maintenance Schedule

i. Daily Maintenance

- **SCADA System**
 - Check HMI screens for alarms or communication errors.
 - Verify data logging and historian functioning.
 - Ensure backups of SCADA configuration are updated.
- **PLC**
 - Monitor CPU status and communication with I/O modules.
 - Check fault/error logs.
 - Verify network connectivity to all field devices.
- **Field Devices**
 - Inspect sensors, actuators, and signal transmitters for abnormal readings.
 - Check critical I/O devices for proper operation.

ii. Weekly Maintenance

- Test all alarm and interlock systems for correct operation.

- Inspect wiring and connectors for loose connections or damage.
- Check UPS or power supply stability for SCADA and PLC racks.
- Clean HMI touch screens and control panels to prevent dust accumulation.
- Verify backup logs and ensure data integrity.

iii. Monthly Maintenance

- Update PLC firmware/software if updates are released and approved.
- Test redundancy systems (dual PLC or SCADA servers if available).
- Check network switches and routers for proper operation and errors.
- Inspect cooling fans and ventilation in control panels.
- Perform analog I/O calibration check for critical sensors.

iv. Quarterly Maintenance

- Conduct detailed inspection of all field sensors and actuators.
- Test emergency stops circuits and safety interlocks.
- Check battery health in PLC and RTU units.
- Review SCADA alarm logs to identify recurring issues.
- Verify historical data storage and archive older data if necessary.
- Check grounding and earthing of all control equipment.

v. Annual Maintenance

- Perform full preventive maintenance on PLC modules, I/O racks, and SCADA servers.
- Replace worn-out or aging sensors, cables, and actuators.
- Conduct a complete functional test of the automation system.
- Update all software licenses and security patches.
- Audit system performance and prepare a maintenance report.
- Review SCADA/PLC system cybersecurity and access control.

❖ Documentation

- a) ICCC gate operation instruction registers.
- b) Local control room gate operation instruction registers.
- c) ICCC gate operation register.
- d) Local control room gate operation register.
- e) Asset register
- f) ICCC maintenance register.
- g) Local control room maintenance register.

❖ **Manpower Qualification**

Sl.no.	Personnel categories	No. of Personnel/ Day	Key Responsibilities	Minimum Academic Qualification	Working Experience
1.	SCADA software developer/ Engineer	1	Maintenance of SCADA software, server, desktop.	<i>B.Tech / B.E. in Electrical / Electronics /IT/ Computer Science</i>	3+ years in PLC & SCADA automation systems
2.	IT/ Network Engineer/ Technicians	6	Maintenance of network, PLC, local spot panel, RTU panels.	<i>B.Tech / B.E. in Information Technology/ Electronics / Computer Science</i>	3+ years in PLC & SCADA automation systems
3.	SCADA operator	3	Operation of gates from ICCC using SCADA software.	<i>Diploma in Electrical / Electronics / Computer Science</i>	3+ years in PLC & SCADA automation systems
4.	Electrician	4	Maintenance of electrical power supply, DG, Power DB, cable.	<i>ITI in Electrical/ Electrician Trade</i>	3+ years in LT Electrical installation
5.	Gate operator	80	Operation of gate from RTU, Spot panel.	<i>ITI in Electrical/ Electrician Trade</i>	3+ years in barrage/ canal gate operation

2. System Administration, Operation & Maintenance Services

The objective of this service is to support and maintain all the Systems and Servers indicated below as an integral part of this NIT and will include:

- a) 365x24x7 monitoring and operation of the Systems & servers as per list of the Equipment in the ICCC and Remote location. Operation canal gates, monitoring of system each status, handling of Alarm/ Events, emergent situation controlling, maintaining of reports as and when required by I&WD.
- b) Operating System administration, including but not limited to management of users, processes, preventive maintenance and management of servers including updates, upgrades and patches to ensure that the system is properly updated.
- c) Installation and Re-installation of the servers / equipment and other hardware necessitated in event of system crash/failures.
- d) Proactive monitoring of all the equipment in DV Canal Automation System under I&WD.
- e) Regular analysis of events and logs generated in all the sub-systems including but not limited to servers, operating systems, security devices/Firewalls etc. to identify vulnerabilities. Necessary Action shall be taken by the SCADA/ IT/ Automation engineer in accordance with the results of the log analysis. Engineers shall co-ordinate and provide all the support for such requirements during the entire AMC tenure.
- g) Adoption of policies and procedure, compliances, guideline or standards as defined by I&WD.
- h) Troubleshoot problems with desktop/server relationship issues and overall aspects of a LAN & WAN environment. Problems shall be logged in at the Help Desk and resolved as per the SLAs defined in this NIT.
- i) Manage and monitor system configuration, performance and activity of all servers/systems.
- j) Document containing upgraded configurations (If any) of all server/system, IT infrastructure etc.

2.1 Network Management:

The objective of this service is to ensure continuous operation and upkeep of the LAN & WAN infrastructure in DV Canal Automation System including all active and passive components as details at Annexure. The scope excludes maintenance of WAN links, which shall be the responsibility of respective ISP/ Contractor. However, for overall functioning of the ICCC at Kanainatsal, Burdwan & each remote location, the selected bidder shall be responsible to co-ordinate with ISP team / Contractor for WAN link related issues.

The services to be provided for Network Management shall include the followings:

- a) Ensuring that the LAN network is made available on 365x24x7 basis as per the prescribed SLAs.
- b) Attending to and resolving network failures and issues.
- c) Service supports the overall network infrastructure including but not limited to LAN passive components, routers, switches etc.
- d) Configuration and backup of network devices/ equipment.
- e) 365x24x7 monitoring of the network to spot the problems immediately.
- f) Provide information on performance of Ethernet segments, including capacity utilization and error statistics for the segment and the top contributing hosts, WAN links and routers.

2.2 IT Security Administration Services:

The Scope of AMC under this NIT would include the Management of security devices, including, firewall services to restrict network protocols and traffic, detecting any unwanted intrusions or unauthorized access to networks, systems/ servers, services, applications or data from viruses.

2.3 Backup / Restore Services

Monitoring and enhancing the performance of scheduled backups, schedule regular testing of backups. Taking & storing Back-ups periodically & restoration as & when required to restore a system.

2.4 Physical Infrastructure Management and Maintenance Services

All the devices installed in the ICCC and each remote location as part of the physical infrastructure shall be monitored and managed on a 24x7x365 basis. The physical infrastructure management and maintenance services shall include:

- a) The successful bidder shall also be required to maintain log/records of all maintenance activities for DV Canal Automation System equipment/components comes under the scope of this AMC NIT.
- b) Maintenance & repair of Civil related jobs such as flooring, ceiling, doors, electrical light fittings are not in the purview of this contract, however any defect needs repair/replacement shall be brought in to the knowledge of I&WD for necessary repair/rectification.

2.5 Maintenance Activities

AMC Contractor shall carry out the maintenance service support of DV Canal automation System. This includes carrying out the schedule inspection of entire system, Operation, resolving technical issue and reporting to I &WD. Such preventive maintenance will have to be carried out 24 x 7 basis. AMC Contractor will have to be maintained the Log Book for such preventive and reactive maintenance activities.

For Scheduled and Preventive Maintenance by the Contractor for Hardware / or Software /or Active / or Passive shall be carried out with prior intimation or with written permission from I&WD in advance.

- i. Checking, testing and rectifying for any loose contacts in the cables & connections for the respective infrastructure and equipment.
- ii. Run diagnostics tests on respective infrastructure and equipment.
- iii. Cleaning and removal of dust and dirt from the interior and exterior of the equipment. Contractor operator needs to maintain cleanliness within I &WD officials.
- iv. . Ensuring that proper dressing, lacing of wire/cable shall be done as per the established standards.
- v. Ensuring that wiring diagrams are updated, whenever there are modifications.
- vi. Ensuring the management of rack space equipment as needed.
- vii. Ensuring that all Software, Tools (CD/DVD/Pen drive), OEM Documentation (Knowledge base), I&WDDC documentation (with Manuals), other or backup tapes/ disks and other media are kept properly labelled and organized in Catalogue.
- viii. Carrying out and verifying back-ups consistency on regular interval.
- ix. Checking and listing all wear and tear of the equipment and site environment.
- x. Ensuring no flammable material is present.
- xi. Clearing up of any unnecessary items or Spares in the I&WD Data Center or Office Premises.

3.1 Service Level Agreement (SLA)

The purpose of this Service Level Agreement (hereinafter referred to as SLA) is to clearly define the levels of service which shall be provided by the Contractor to Client (I&WD) for the duration of this contract.

The objective of this SLA is to:

- Trigger a process that applies Contractor's and Client's attention to an aspect of performance when that aspect drops below an agreed upon threshold, or target.
- Makes explicit the expectations that Client has for performance from the Contractor.

The Contractor and I&WD on quarterly basis shall review the performance of the services being provided by the Contractor and the effectiveness of this SLA.

3.2 Category of the SLA

This SLA document shall provide minimum level of services required as per contractual obligations based on performance indicators and measurements thereof. The Contractor shall ensure provisioning of all required services while monitoring the performance of the same to effectively comply with the performance levels. The services provided by the Contractor (Successful Bidder) shall be reviewed by I&WD that shall encompass the following measures:

- i. Regularly check performance of the Contractor against this SLA.
- ii. Discuss escalated problems, new issues and matters still outstanding for resolution.
- iii. Review of statistics related to rectification of outstanding faults and agreed changes.
- iv. To obtain suggestions for changes to improve the service levels.

The SLA has been designed logically segregated as per the following categories:

1. SCADA, server, Workstation PC.
2. RTU PLC, ICCC PLC, Server database, firewall, LAN, WAN, Spot panel.
3. Gate operation from ICCC.
4. DG, Power DB, Street light, wiring, cable, indoor luminaries, earthing.

The following measurements and targets shall be used to track and report performance on a regular basis. The targets shown in the following table are applicable for the duration of the contract.

3.3 Service Levels

Following section outlines the service level indicators & and the target performance levels to be maintained by the Contractor during the contract period. This shall be used to track and report performance on a regular basis. These SLAs shall be strictly imposed, and if required by I&WD, third party audit/certification Contractor may be deployed for certifying the performance of the Contractor against the target performance metrics as outlined in the table below. The SLA will be measured on Quarterly basis.

A. Service Levels – SCADA, Server, Workstation PC :

The non-performance deduction during AMC for SCADA, server, Workstation PC shall be regulated as under:-		
Sl. No.	Actual Availability During Warranty/AMC	Non-performance deduction
1.	In case manpower absent	1 working day charges
2.	If downtime ⁺ after considering maintenance time with in 12 Hrs.	50% of working day charges
3.	If downtime after considering maintenance time with in 12 to 24 Hrs.	2 working day charges
4.	If downtime after considering maintenance time with in 24 to 48 Hrs.	4 working day charges
5	If downtime after considering maintenance time with in 48 to 72 Hrs.	8 working day charges
6.	If downtime after considering maintenance time is more than 72 Hrs.	10 working days against each downtime day

Note:

a) Per day working charge = Per month Salary including GST) against item Sl. no. 1 of BOQ / 26

b) SL. No. 1 will not be considered after 24 Hrs. downtime. [⁺Max. Down Time = 3 Hrs.]

The Lowest availability among all systems under this category will be considered as the availability period for ICCC equipment's and Total IT network equipment towards non-performance deduction.

B. Service Levels – RTU PLC, ICCC PLC, Server database, firewall, LAN, WAN, Spot panel:

The non-performance deduction during AMC for RTU PLC, ICCC PLC, Server database, firewall, LAN, WAN, Spot panel shall be regulated as under:-		
Sl. no.	Actual Availability During Warranty/AMC	Non-performance deduction
1.	In case manpower absent	1 working day charges against individual absent.
2.	If downtime ⁺ after considering maintenance time with in 12 Hrs.	3 working day charges
3.	If downtime after considering maintenance time with in 12 to 24 Hrs.	6 working day charges
4.	If downtime after considering maintenance time with in 24 to 48 Hrs.	12 working day charges
5	If downtime after considering maintenance time with in 48 to 72 Hrs.	24 working day charges
6.	If downtime after considering maintenance time is more than 72 Hrs.	30 working days against each downtime day.

Note:

a) Per day working charge = Per month Salary including GST) against item SL. No. 1 of BOQ / 26

b) SL. No. 1 will not be considered after 24 Hrs. downtime. [⁺Max. Down Time = 3 Hrs.]

C. Service Levels – Gate operation from ICCC & local

The non-performance deduction during AMC for Gate operation from ICCC & local shall be regulated as under:-		
Sl. No.	Actual Availability During Warranty/AMC	Non-performance deduction
1.	In case manpower absent	1 working day charges against individual absent.

Note:

a) Per day working charge = Per month Salary including GST) against item SL. No. 1 of BOQ / 26

D. Service Levels – DG, Power DB, Street light, wiring, cable, indoor luminaries, earthing

The non-performance deduction during AMC for DG, Power DB, Street light, wiring, cable, indoor luminaries, earthing shall be regulated as under:-		
Sl. No.	Actual Availability During Warranty/AMC	Non-performance deduction
1.	In case manpower absent	1 working day charges against individual absent
2.	If downtime* after considering maintenance time with in 12 Hrs.	2 working day charges
3.	If downtime after considering maintenance time with in 12 to 24 Hrs.	4 working day charges
4.	If downtime after considering maintenance time with in 24 to 48 Hrs.	6 working day charges
5.	If downtime after considering maintenance time with in 48 to 72 Hrs.	12 working day charges
6.	If downtime after considering maintenance time is more than 72 Hrs.	15 working days against each downtime day
Note: * Max Down time = 6 Hrs.		

3.4 Manpower Deployment

Qualified engineers as per above mention qualification schedule shall be deployed. Compliance with all labour laws, EPF, ESI and insurance is mandatory.

3.5 Confidentiality & Data Ownership

All SCADA data shall remain property of the Irrigation & Waterways Department, Government of West Bengal.

3.6 Termination of Contract

If the total amount of absentee charges and penalty charges exceed 10% of contract value, Contract will be terminated immediately.

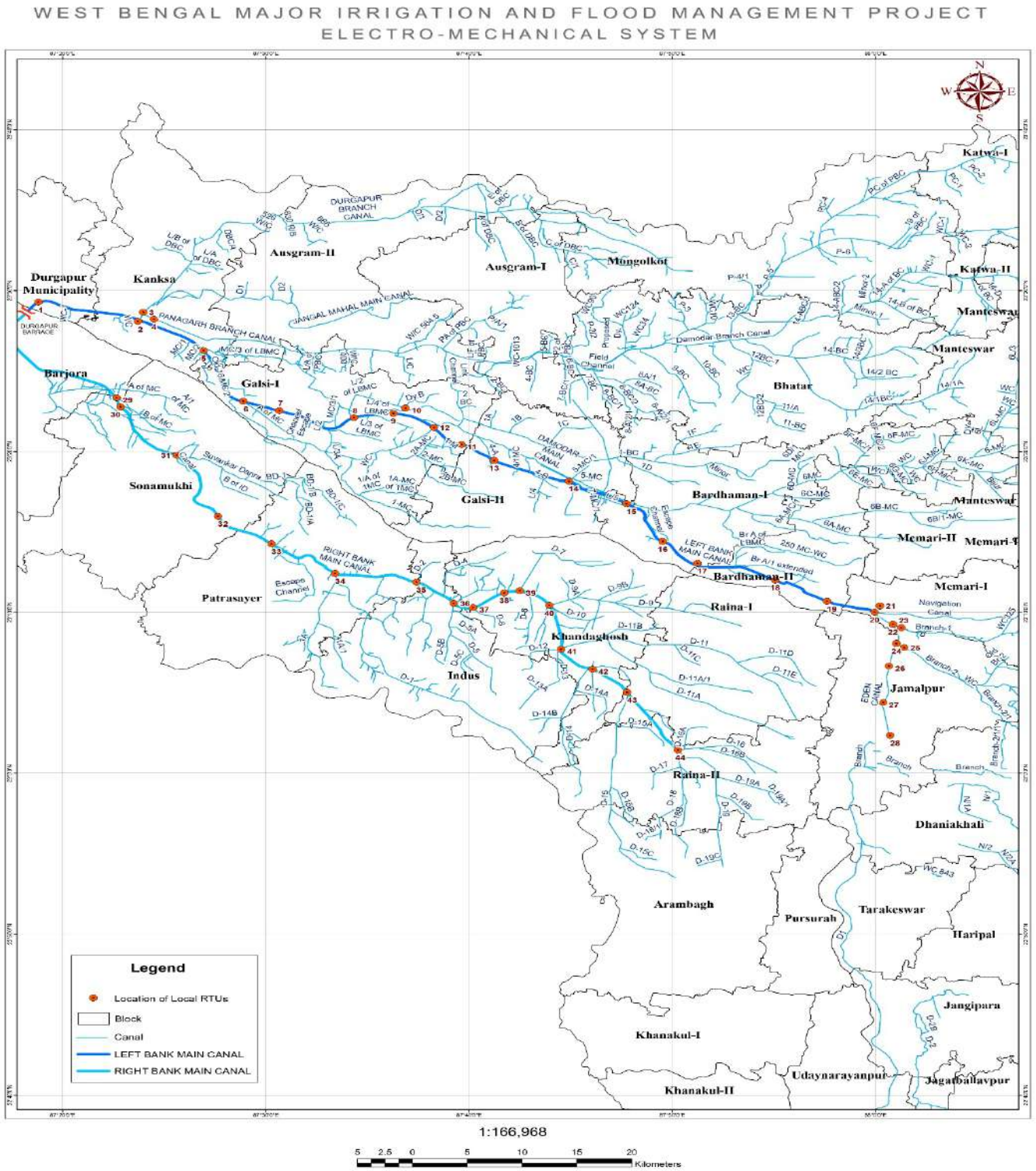
3.7 Governing Law & Jurisdiction

The contract shall be governed by the laws of India.

3.8 Acceptance of Terms: Submission of bid implies acceptance of all tender conditions.**3.9 Arrangement of tools & software support:** Contractor will supply all necessary tools tackles for maintenance purpose for the equipment's in section 6. Contractor will support by all necessary software for the equipment's in section 6.

4. Remote Location details:

4.1. Geographical Location

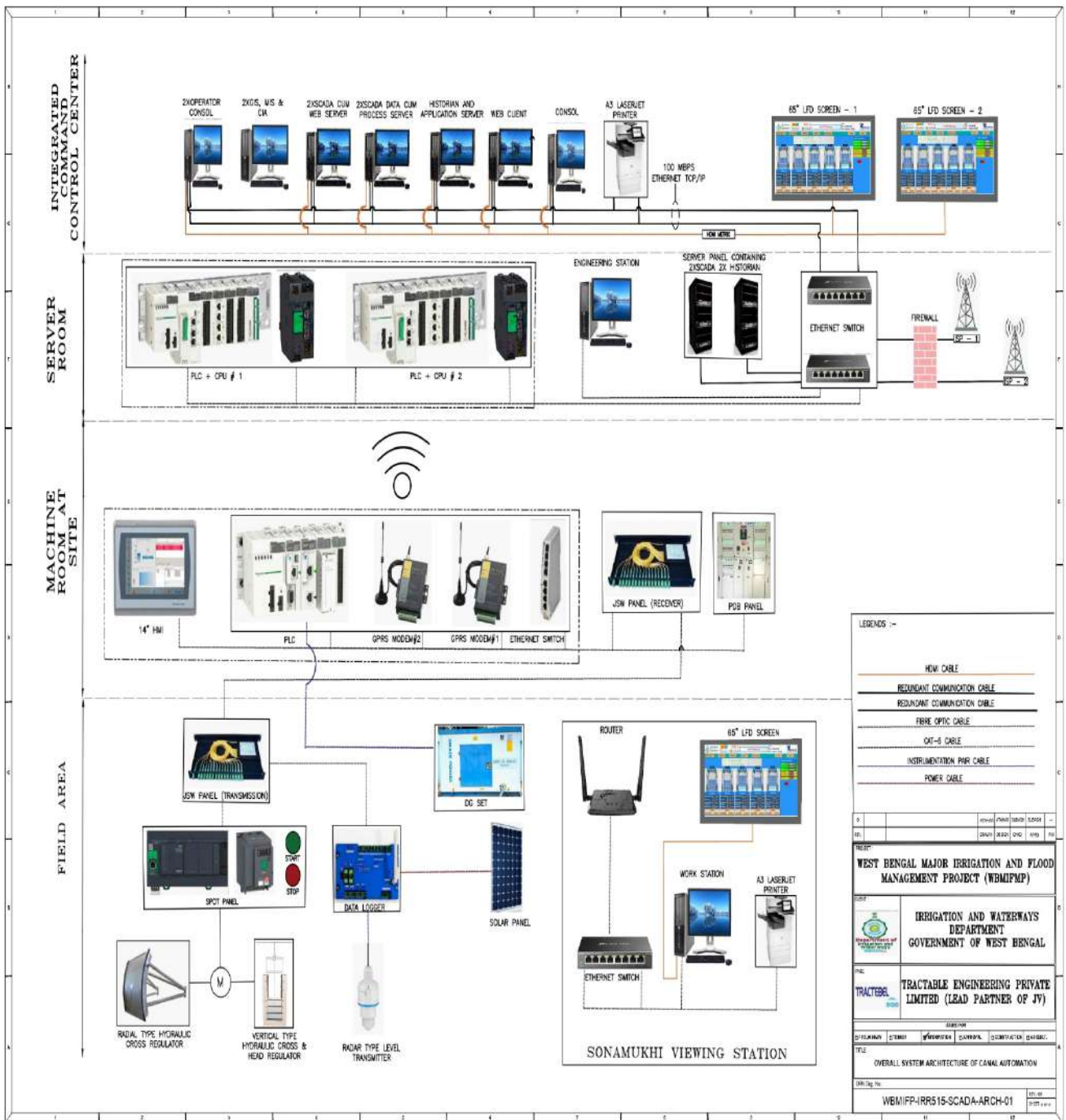


4.2. Location Gate details:

Sl. No.	Ch. No.	Km of Gate	Location	Type of gates	No. of gates	Width of vent (Mtr.)
1	Ch. 5.00	0.152	Durgapur	Vertical	6	6.08
2	Ch. 324.78	9.899	Rajbandh	Radial	7	3.05
3	Ch. 0 at Ch. 324.78 of LBMC	Off Take of DBC		Vertical	8	1.554
4	Ch. 20 of DBC	Panagarh Branch Canal (Off-Take)	Rajbandh	Vertical	8	1.45
5	Ch. 540.04	16.46	Panagarh	Radial	7	3.05
6	Ch. 770.04	23.47	Randiah	Radial	7	3.05
7	Ch. 874.04	26.64	Krishnarampur	Radial	7	3.05
8	Ch. 1193.05	36.363	Paraj	Radial	7	3.05
9	Ch. 1310.08	39.93	Pursha	Radial	5	3
10	Off take of Feeder Canal at Ch. 1310	Off Take of Feeder Canal		Vertical	6	3.05
11	Ch. 1414.06	43.099	Goligram	Radial	5	3
12	DBC, Ch-0.00	Off-take of Damodar Branch Canal	Goligram	Vertical	4	1.62
13	Ch. 1564.06	47.671	Doyalpur	Radial	5	3
14	Ch. 1794.05	54.681	Sanko	Radial	5	3
15	Ch. 1964.07	59.863	Fagupur	Radial	5	3.05
16	Ch. 2140.06	65.227	KanchanNagar	Vertical	5	3.5
17	Ch. 2270.09	69.19	Sadarghat	Radial	5	3
18	Ch. 2480.07	75.59	Choitpur	Radial	5	3.03
19	Ch. 2660.09	81.077	Borsul	Radial	5	3
20	Ch. 2805.21	85.5	Palla	Vertical	10	1.5
21	Off take of new Gangur at Ch. 2805.21	Off take of new Gangur	Palla	Vertical	3	2.51
22	2870.11	87.478	Chachai	Vertical	8	1.5
23	Off -Take of Br. 1 at Ch. 2870.11	Off -take of Br. 1	Chachai	Vertical	3	2.44

Sl. No.	Ch. No.	Km of Gate	Location	Type of gates	No. of gates	Width of vent (Mtr)
24	Ch. 2945.11	89.764	Salalpur	Vertical	8	1.5
25	Off -Take of Br. 2 at Ch. 2945.11	Off- take of Br. 2	Salalpur	Vertical	2	2.44
26	Ch. 3034.09	92.48	Chouberia	Vertical	8	1.5
27	Ch. 10.5	0.32	Halara (Kana Damodor)	Vertical	3	2.44
28	Ch. 60.04	1.83	Hironnogram (Kana Nadi)	Vertical	3	2.44
29	Ch. 432	13.167	Pakhanna	Vertical	8	1.20
30	Ch. 475	14.478	Pakhanna	Vertical	8	1.22
31	Ch. 756	23.042	Bondel Hati	Vertical	6	1.525
32	Ch. 1037	31.607	Dhansimla	Vertical	8	1.22
33	Ch. 1227	37.398	Dagaria	Vertical	3	3.05
34	Ch. 1447	44.103	Fakirdanga	Vertical	3	3.05
35	Ch. 1668	50.839	Naldanga	Vertical	3	3.05
36	Ch. 1803	54.957	Roll	Vertical	3	3.05
37	Ch. 1859	56.66	Bamunari	Vertical	3	3.05
38	Ch. 2001	61.051	Hashipur	Vertical	3	3.05
39	Ch. 2102	64.008	Ukhrid	Vertical	3	3.05
40	Ch. 2180	66.446	Narayanpur	Vertical	6	2.10
41	Ch. 2276.5	69.372	Bowaichandi	Vertical	4	1.11
42	Ch. 2386	71.81	Amba	Vertical	4	1.22
43	Ch. 2527	78.79	Mogalmari	Vertical	4	1.12
44	Ch. 2618	80.162	Bodahar	Vertical	4	1.22
			No. of Main Canal Total =		254	
	Including 14 nos. Navigation Loop Channel Gates		14+254 = Total		268	

5. System Architecture:



6. System Equipment's Details:

6.1. Remote location Equipment's details

Sl.no.	Equipment's Name	OEM Name	Model	Qty.
1.0	Water level Sensor	Endress + Hauser	Micro-pilot FMR 20B	77
2.0	Combined sensor (Velocity and Level)	Geolux	RSS-2-300WL	8
3.0	Data-logger panel 500 x 500x 200	Endress + Hauser		89
	Data-logger Panel equipment's in each panel			
3.1	140W Solar panel	STARKA		2
3.2	Battery	STARKA	LiFePo4	1
3.3	Solar Charge Controller	STARKA	CC-15A	1
3.4	Data-logger	Geolux	Smart Observer	1
3.5	Display process indicator	Masibus	408M-X-U1	1
3.5	SPD	Phoenix	VAL-MS-1000Dc-PV/2+V	1
3.7	ATS switch	VGYP		1
4.0	UPS 1KVA	Vertiv	ITA-2	44
5.0	Lithium Ion Battery	Enertect		44
6.0	1KVA UPS panel 500 x 500x 300	Coronet Engg. Pvt. Ltd		44
7.0	RTU Panel 1615 x 800x 350	Coronet Engg. PVT Ltd		44
7.1	RTU Panel equipment's in each panel			
7.2	GPRS Modem	XNET		2
7.3	Ethernet switch 8 ports	Phoenix	FSL1005N	1
7.4	8 Channel relay card	Schneider		1
7.5	SMPS	Schneider		2
7.6	Diode O Ring			1
7.7	PLC	Schneider	M340	1
7.8	HMI	Schneider	'HMIET6700	1
8.0	LIU Panel 500 x 550 x 250	Coronet Engg. Pvt. Ltd.		88
	LIU Panel equipment's in each panel			
8.1	Light Interface Unit	Digisol		1
8.2	Media Converter	Digisol		1
8.3	Ethernet switch 8 ports	Phoenix	FSL1005N	1
9.0	Spot Panels 1000 x 600 x 250	Dean rail system		268
	Spot Panel Equipment's in each panel			
9.1	ISOLATOR 32A, 4P	Legrand	4065 18	1
9.2	MINIATURE CIRCUIT BREAKER 16A, TP, C Curve	Schneider	4086 55 / A9N3P16C	1
9.3	MINIATURE CIRCUIT BREAKER 10A, 4P, C Curve		4086 94 / A9N4P10C	1
9.4	MINIATURE CIRCUIT BREAKER 06A, DP, C Curve		4086 28 / A9N2P06C	1
9.5	PUSH BUTTON OPEN, BLUE, 1NO		XB5AA61N	1
9.6	PUSH BUTTON STOP, RED, 1NC		XB5AA42N	1
9.7	PUSH BUTTON CLOSE, YELLOW, 1NO		XB5AA51N	1
9.8	CONTACTOR, 09A, 3P, 24VDC COIL		LC1 D09 BD	1
9.9	CONTACTOR, 09A, 3P, 24VDC COIL		LC1 D09 BD	1
9.10	CONTACTOR, 09A, 3P, 24VDC COIL		LC1 D09 BD	1

Sl.no.	Equipment's Name		Model	Qty.
9.11	CONTACTOR, 09A, 3P, 24VDC COIL		LC1 D09 BD	1
9.12	THERMAL OVERLOAD RELAY, 5.5 – 8 AMPS		LRD 12	1
9.13	2.2 KW V3F AC DRIVE	Schneider	ATV320U22N4C	1
9.14	PROGRAMMABLE LOGIC CONTROLLER-24V / 14 DI/10 DO	Schneider	TM221CE24T	1
9.15	LINE INDUCTOR		2.2 KW / 3 PHASE / 5 AMPS	1
9.16	DYNAMIC BRAKING RESISTOR	K2	AL-B 500 60R	1
9.17	ROTARY POSITION TRANSMITTER	Pottel	RHSS48-24420-360-8-CW	1
9.18	OPEN LIMIT SWITCH	Schneider	D4V-8104Z	1
9.19	CLOSE LIMIT SWITCH	Schneider	D4V-8104Z	1
9.20	HAND LIMIT SWITCH	Schneider	D4V-8104Z	1
9.21	BRAKE LIMIT SWITCH	Schneider	D4V-8104Z	1
9.22	RELAY 24VDC, 4CO	OMRON	MY4N-D2-GS 24VDC	1
9.23	RELAY 24VDC, 4CO		MY4N-D2-GS 24VDC	1
9.24	RELAY 24VDC, 2CO		G2RL-2 24VDC	1
9.25	RELAY 24VDC, 2CO		G2RL-2 24VDC	1
9.26	RELAY 24VDC, 2CO		G2RL-2 24VDC	1
9.27	RELAY 24VDC, 2CO		G2RL-2 24VDC	1
9.28	RELAY 24VDC, 2CO		G2RL-2 24VDC	1
9.29	RELAY 24VDC, 2CO		G2RL-2 24VDC	1
9.30	RELAY 24VDC, 2CO		G2RL-2 24VDC	1
9.31	RELAY 24VDC, 1CO		G2RL-1 24VDC	1
9.32	INDICATING LED 22.5 / RED / 230VAC	IDEAL	ID16-230-22-R-16	1
9.33	INDICATING LED 22.5 / YELLOW / 230VAC		ID16-230-22-Y-16	1
9.34	INDICATING LED 22.5 / BLUE / 230VAC		ID16-230-22-B-16	1
9.35	INDICATING LED 22.5 / GREEN / 24VDC		ID16-24-22-G-16	1
9.36	INDICATING LED 22.5 / RED / 24VDC		ID16-24-22-R-16	1
9.37	INDICATING LED 22.5 / RED / 24VDC		ID16-24-22-R-16	1
9.38	INDICATING LED 22.5 / BLUE / 24VDC		ID16-24-22-B-16	1
9.39	INDICATING LED 22.5 / AMBER / 24VDC		ID16-24-22-A-16	1
9.40	INDICATING LED 22.5 / AMBER / 24VDC		ID16-24-22-A-16	1
9.41	INDICATING LED 22.5 / BLUE / 24VDC		ID16-24-22-B-16	1
9.42	SWITCH MODE POWER SUPPLY 120W, 24V/5A	SELECT	RPS120-24-CU	1
9.43	SWITCH MODE POWER SUPPLY 120W, 24V/5A		RPS120-24-CU	1
9.44	RELAY MODULE 24VDC / 2CO / 4WAY		RLYMD-1-S4-2CO-24VDC-CE	1
9.45	PROCESS INDICATOR / CONTROLLER		PIC152A-VI-CE	1
9.46	VOLTAGE PROTECTION RELAY		VPRA2M-CE	1
9.47	3 PH TYPE 2 SURGE PROTECTION DEVICE	PHOENIX	VAL-MS-EE-T2-3+1-320-FM	1
9.48	HUMIDITY CONTROLLER	HYGROSTAT	HS01	1
9.49	SPACE HEATER	GIRISHEGO	80WATT / 240VAC BOX TYPE	1
9.50	THERMOSTATS 0° – 60° C		200C	1
Sl.no.	Equipment's Name	OEM Name	Model	Qty.

10.0	Three Phase induction Motor 7.5 HP			13
11.0	Three Phase induction Motor 3 HP			255
12.0	Power Distribution Panel	Dean rail system		40
	Power DB panel equipment's details			
12.1	4P 100A MCCB	L&T		1
12.2	Digital multifunction meter	Schneider		2
12.3	CT 10VA, 100 / 5	Kappa		6
12.4	6A FP MCB	L&T		4
12.5	DP MCB 6A	L&T		3
12.6	Indicator Lamp	L&T		10
12.7	63A MCCB	L&T		1
12.8	SPD	L&T		2
12.9	ATS switch 125 A	L&T		1
12.10	ATS controller	L&T		1
12.11	MCCB 100A	L&T		1
12.12	Timer	L&T		1

6.2. ICCC equipment's details

Sl.no.	Equipment's Name	OEM Name	Model	Qty
1	65" LFD Display	SAMSUNG	QBR series	3
2	I5 desktop	HP	HP Protower 280G9	6
3	24 inch Display	Dell	P2422H	13
4	I7 desktop	HP	HP Protower 280G9 SRL4Q	2
5	SERVER	Dell	PowerEdge R650xs	4
6	Server RACK 42	Rittal	VX IT with vented door	2
7	Firewall	Sophos	XGS2100	1
8	24 Port Layer Three Ethernet switch	Cisco	Catalysit 9200L 24T 4G E	2
9	10 KVA UPS	Vertiv	ITA 2	2
10	192 V, 50AH Lithium Ion Battery	Enertect		1
11	SCADA software 100K tags	AVEVA	PLANT SCADA	1
12	Microsoft 365	Microsoft		12
13	Antivirus	Quick Heal		12
14	A3 Color printer	HP	HP COLOUR LASERJET Managed MFP p785dn	2
15	Lease Line 100 MBPS	Jio & TATA		3
17	SIM Card	Jio & Airtel		90
18	Main PLC Panel	CEPL		1
	Main PLC Panel Equipment's			
18.1	PLC 4 SLOT BACKPLANE	Schneider	BMEXBP0400	2
18.2	M580 CPU redundant	Schneider	BMEH582040	2
18.3	RJ45 Hot standby link	Schneider	490NAC100	2
18.4	Standard DC Power supply	Schneider	BMXCPS2010	2
18.5	Ethernet switch	Phoenix		1
18.6	32Ch Digital Input card	Schneider	BMXDD13202K	1
18.7	32Ch Digital Output card	Schneider	BMXDD03202K	1
18.8	PLC 8 Slot Backplane	Schneider	BMEXBP0800	1
18.9	SMPS 10A	Schneider		2
18.10	Diode O ring	Phoenix		1
18.11	8 Ch. relay card	OMRON		1

Copy submitted/ forwarded for information and taking necessary action for wide publication to:-

1. P.S. to Hon'ble Minister, I. & .W. Deptt. Jalasampad Bhawan, Salt Lake, Kolkata-700 091.
2. M.P. Bardhaman Durgapur Parliamentary constituency, Dist - Paschim Bardhaman
3. M.P. Bishnupur (SC) Parliamentary constituency, Dist – Bankura
4. M.P. Hooghly Parliamentary constituency, Dist – Hooghly.
5. M.L.A. Durgapur Purba Assembly constituency, Dist - Purba/Paschim Bardhaman.
6. M.L.A. Durgapur Paschim Assembly constituency, Dist - Purba/Paschim Bardhaman.
7. M.L.A. Sonamukhi (SC) Assembly constituency, Dist – Bankura.
8. M.L.A. Bardhaman Dakshin Assembly constituency, Dist – Purba Bardhaman.
9. M.L.A. Galshi (SC), Assembly constituency, Dist – Purba Bardhaman..
10. M.L.A. Memari Assembly constituency, Dist – Purba Bardhaman..
11. M.L.A. Dhaniakhali, Assembly constituency, Dist – Hooghly.
12. District Magistrate, Bankura, Dist – Bankura.
13. District Magistrate, Purba Bardhaman, Dist – Purba Bardhaman.
14. District Magistrate, Paschim Bardhaman, Dist – Paschim Bardhaman.
15. District Magistrate, Hooghly, Dist – Hooghly..
- 16-18) Savadhipati, Bankura Zilla Parishad, Purba / Paschim Bardhaman Zilla Parishad, Hooghly Zilla Parishad.
19. The Chief Engineer (South), I & W. Dte. , 1st floor Jalasampad Bhawan, Salt Lake city, Kolkata-700091.
20. The Chief Engineer (South West), I & W. Dte. , Khasjungle, Abash, Medinipur, Paschim Medinipur.
21. The Chief Engineer (Mechanical & Electrical), Irrigation & Waterways Directorate, Jalasampad Bhavan, Salt Lake, Kolkata – 700091.
22. The Superintending Engineer, South West Mechanical & Electrical Circle, Durgapur, Dist. Paschim Bardhaman.
23. The Superintending Engineer, Damodar Irrigation Circle, Kanainatsal, Burdwan, Dist – Purba Bardhaman.
24. The Executive Engineer, D.V.C. Study Cell, I&W. Dte. Jalasampad Bhawan, Salt Lake City, Kolkata-700091.
25. The Executive Engineer –I , Damodar Canal Division, Dist-Purba Bardhaman
26. The Executive Engineer –II , Damodar Canal Division, Dist-Purba Bardhaman
27. The Executive Engineer –I , Lower Damodar Irrigation Division, Singur, Dist- Hooghly.
28. The Executive Engineer , Damodar Head Works Division, Dist-Paschim Bardhaman
29. The Executive Engineer, Durgapur Mechanical & Electrical Division, Dist-Paschim Bardhaman
30. Notice Board of the office of Chief Engineer (West).

Sd/-
Superintending Engineer
Attached to Chief Engineer, West
Irrigation & Waterways Directorate

FORM 1

(To be submitted in plain paper/letter head as per specimen, duly filled up and uploaded with digital signature which shall be treated as the self-declaration of the bidder)

APPLICATION FOR e-TENDER

To,
The Superintending Engineer
attached to the Chief Engineer (West),
I&W Directorate

e- Tender No:- WBIW/SE/CE(W)/NIT-06e/2025-26

Serial No. of Works applied for :-

Amount put to e-Tender: Rs

Dear Sir,

Having examined the Technical PQ cover, OID cover, Corrigendum (*optional) & entire e-NIT documents, I/we hereby would like to state that I/we willfully accept all your conditions and offer to execute the work as per the tenders rules in e-NIT, terms & conditions, specifications, drawings, bill of quantities and corrigenda/addenda, SoR, and Agreement (WB Form No. 2911(j)/(ii) involving the e-Tender and Serial no of work stated above. I/We acknowledge that the making of our bid shall be regarded as an unconditional and absolute acceptance of the terms & conditions of the e-NIT. I/We also agree to remedy the defects during execution and upto end of security period of the above work in conformity with the conditions of contract, specifications, drawings, bill of quantities and addenda/corrigenda.

Dated this _____ day of _____ 202__

Full name of Bidder / Contractor: _____

Name in full of Signatory/s*: _____

In the capacity* of: _____

Duly authorized to sign bid

for & on behalf of (Name of Firm): _____

(In block Capital letters or typed)

Office address with seal:

Telephone no(s) (office): _____

Mobile No: _____

Fax No: _____

E mail ID: _____

*In case of Joint Venture & Consortium the Lead Member to submit this format.

(DIGITAL SIGNATURE OF BIDDER)

FORM – 2

Declaration against Common Interest

(To be submitted in plain paper/letter head as per specimen, duly filled up and uploaded with digital signature, which shall be treated as the self-declaration of the bidder)

Ref:- e-NIT No.,

e-Tender ID No.....

SI. No. of work (in the list of work in the e-NIT)

To,
Superintending Engineer
attached to the Chief Engineer (West),
Irrigation & Waterways Directorate

I/We, Sri/Smt. _____, the authorized signatory on behalf of _____ do hereby affirm that I/We/any of the member of..... bidding against e - NIT No. SI. No. do not have any common interest either as a partner in any other partnership firm /consortium/Joint Venture or as Proprietor / Principal Share Holder of any other Firm/Company in the same serial for the work I / we want to participate.

Dated this _____ day of _____ 202__

Full name of Bidder / Contractor: _____

Authorized Signatory: _____

In the capacity of: _____

Duly authorized to sign bid

for & on behalf of (Name of Firm): _____

(In block Capital letters or typed)

Office address with seal:

Telephone no(s) (office): _____

Mobile No: _____

Fax No: _____

E mail ID: _____

*In case of Joint Venture & Consortium the Lead Member to submit this format.

(DIGITAL SIGNATURE OF BIDDER)

FORM – 3

Power of Attorney for signing of Contract/Tender Agreement *

(May be submitted if the bidder is a Company, Autonomous Body, Undertaking, Corporation, and NGO, in plain paper or otherwise in any legally acceptable format which shall be treated as the self-declaration of the bidder)

Know all men by these presents, I/We, (name of the firm and address of the registered office) do hereby irrevocably constitute, nominate, appoint and authorise Mr./Ms (Name).....son/daughter of and presently residing at....., who is presently employed with us/ the Lead Member of our Consortium/Joint Venture and holding the position of, as our true and lawful attorney (hereinafter referred to as the "Attorney") to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our bid for the ***** Project proposed or being developed by the Governor of the State of West Bengal represented by the Superintending Engineer, Circle, Irrigation & Waterways Directorate, Government of West Bengal, including but not limited to signing and submission of all applications, bids and other documents and writings, participate in bidders' and other conferences and providing information / responses to the Authority, representing us in all matters before the Authority, signing and execution of all contracts including the Agreement and undertakings consequent to acceptance of our bid, and generally dealing with the 'Authority' in all matters in connection with or relating to or arising out of our bid for the said Project and/or upon award thereof to us and/or till the entering into of the Agreement with the Authority;

AND we hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

IN WITNESS WHEREOF WE,, THE ABOVE NAMED PRINCIPALS HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF, 20.....For.....

(Signature Name date designation and address of the bidder/(s) & Contact No. & e-mail ID)

Witnesses: (Full Name with permanent addresses and contact nos.)

- 1.
- 2.

Signed & accepted

Notarized

Notes:

- 1 *The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law in India and the charter documents of the executants and when it is so required, the same should be under common seal affixed in accordance with the required procedure.*
- 2 *Wherever required, the Bidder should submit for verification the extract of the charter documents and documents such as a board or shareholders' resolution/ power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.*
- 3 *For a Power of Attorney executed and issued overseas, the document will also have to be legalized by the Indian Embassy and notarized in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney provided by Bidders from countries that have signed The Hague Legislation Convention, 1961 are not required to be legalized by the Indian Embassy if it carries a conforming Apostle certificate.*

- ***This is only a specimen format and the bidder may submit any other legally valid format by bidder organisation except Proprietorship Firms.***

FORM – 4

Declaration on antecedents and performance

(To be submitted in plain paper/letter head as per specimen, duly filled up and uploaded with digital signature, which shall be treated as the self-declaration of the bidder)

Ref:- e-NIT No.,

e-Tender ID No.....

List of Work Sl. No.....

To,
Superintending Engineer
Attached to the Chief Engineer (West),
Irrigation & Waterways Directorate

I/We, Sri/Smt. _____, the authorized signatory on behalf of _____ do hereby affirm that I/We/any of the member of..... bidding against e - NIT No. Sl. No. are not black listed suspended or debarred from participation in State Government procurements and tenders in the Irrigation & Waterways Directorate, Government of West Bengal, other Departments of the State Government and Government of India on the date of publication of this Notice Inviting Tender (NIT).

If at a later stage this submission (undertaking) is found incorrect, the bidder company along with all its constituent members/owners/partners would be liable to penal actions as decided by the Government under the law.

Dated this _____ day of _____ 202__

Full name of Bidder / Contractor: _____

Authorised Signatory: _____

In the capacity of: _____

Duly authorized to sign bid

for & on behalf of (Name of Firm): _____

(In block Capital letters or typed)

Office address with seal:

Telephone no(s) (office): _____

Mobile No: _____

Fax No: _____

E mail ID: _____

(DIGITAL SIGNATURE OF BIDDER)

FORM-5*

Power of Attorney for Lead Member of Consortium/Joint Venture

(To be submitted in Non-Judicial Stamp Paper of appropriate value, which shall be treated as the self-declaration of the bidder Consortium/Joint Venture as their joint affidavit-Specimen format, bidder may furnish in any other legally accepted format)

Whereas the Governor of West Bengal represented by having its Head Quarters at,PIN-.....Phone No....., e-mail ID & Principal office at Jalasampad Bhawan, Salt Lake, Sector-II, Bidhannagar, Kolkata, PIN 700091, in West Bengal (“The Authority”) has invited bids from eligible, bonafide, registered companies/registered joint ventures or consortiums, having desired credentials within India for the Project, Irrigation & Waterways Department, Government of West Bengal”;

AND Whereas, (1).....,(2) and (3)..... (collectively the “Consortium”/Joint Venture) being Members of the Consortium/Joint Venture are interested in bidding for the Project in accordance with the terms and conditions of the Tender and other connected documents in respect of the Project, and Whereas, it is necessary for the Members of the Consortium/JV to designate one of them as the Lead Member with all necessary power and ‘The Authority’ to do for and on behalf of the Consortium/Joint Venture, all acts, deeds and things as may be necessary in connection with the Consortium/Joint Venture’s bid for the Project and its execution;

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS

We, having our registered office at, M/s....., having our registered office at, and M/s....., having our registered office at, (hereinafter collectively referred to as the “Principals”) do hereby irrevocably designate, nominate, constitute, appoint and authorize M/s having its registered office at, being one of the Members of the Consortium/Joint Venture, as the **Lead Member** and true and lawful attorney of the Consortium/Joint Venture (hereinafter referred to as the “Attorney”) and hereby irrevocably authorize the Attorney (with power to sub-delegate) to conduct all business for and on behalf of the Consortium/JV and any one of us during the bidding process and, in the event the Consortium/JV is awarded the Contract, during the execution of the Project, and in this regard, to do on our behalf and on behalf of the Consortium/JV, all or any of such acts, deeds or things as are necessary or required or incidental to the submission of its bid for the Project, including but not limited to signing and submission of all applications, bids and other documents and writings, participate in bidders’ and other conferences, respond to queries, submit information/ documents, sign and execute contracts and undertakings consequent to acceptance of the bid of the Consortium/Joint Venture and generally to represent the Consortium/Joint Venture in all its dealings with the Authority, and/ or any other Government Agency or any person, in all matters in connection with or relating to or arising out of the Consortium/Joint Venture’s bid for the Project and/ or upon award thereof till the Agreement is entered into with the Authority;

AND hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us/ Consortium/Joint Venture.

IN WITNESS WHEREOF WE THE PRINCIPALS ABOVE NAMED HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF 20....

For
(Signature, Name & Title)

For
(Signature, Name & Title)

For
(Signature, Name & Title)
(Executants/s)

(To be executed by all the Members of the Consortium/Joint Venture)

Notes:

The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executants (s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure.

2 *Wherever required, the Bidder should submit for verification the extract of the charter documents and documents such as a board or shareholders’ resolution/ power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.*

3 *For a Power of Attorney executed and issued overseas, the document will also have to be legalized by the Indian Embassy and notarized in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney provided by Bidders from countries that have signed The Hague Legislation Convention, 1961 are not required to be legalized by the Indian Embassy if it carries a conforming Apostille certificate.*

(* This is a specimen sample and the Consortium/Joint Venture is at liberty to furnish this affidavit in any legally valid format in India for Works contract)

FORM-6*

SPECIMEN FORMAT FOR THE BANK GUARANTEE FOR ADDITIONAL PERFORMANCE SECURITY DEPOSIT

(*To be submitted only if the bid price quoted by the bidder is below 20% of the estimated cost put to tender, non-submission within 7 working days from date of issuance of LOA which may be maximum extended to 14 working days after issuance of LOA/LOI will lead to rejection of selected bidder. Similar standard format issued by RBI approved Bank pledging Bank Guarantee of the required value and period in favour of Engineer-in-Charge is acceptable)

To, _____ (Designation of Engineer-in-Charge)
_____ (Office address of Engineer-in-Charge)

WHEREAS _____ (name and address of Contractor) (hereafter called "the Contractor") has undertaken, in pursuance of Contract No: _____ dated _____ to execute _____ (name of Contract and brief description of Works) (hereinafter called "the Contractor").

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a Scheduled commercial bank for the sum specified therein for 'ADDITIONAL PERFORMANCE SECURITY DEPOSIT' for compliance with his obligation in accordance with the Contract:

AND WHEREAS we _____ (Indicate the name of the bank and branch) have agreed to give the Contractor such a Bank Guarantee:

NOW THEREFORE we _____ ; _____ (Indicate the name of bank and branch) hereby affirm that we are the Guarantor and responsible to you on behalf of the Contractor, upto a total of _____ Rs. _____ (Amount of guarantee) (in words). We undertake to pay you, upon your first written demand and without cavil or argument, a sum within the limits of _____ (amount of guarantee) as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We _____ (Indicate the name of the bank and branch) hereby waive the necessity of your demanding the said debt from the contractor before presenting us with the demand.

We _____ (Indicate the name of the bank and branch) further agree to pay to you any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present absolute and unequivocal.

The payment/so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

We _____ (Indicate the name of the bank and branch) further agree that no change or addition to or other modification of the terms of the Contract or of the works to be performed there under or of any of the contract documents which may be made between you and the contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

We _____ (Indicate the name of the bank and branch) lastly undertake not to revoke this guarantee except with the previous consent of you in writing.

This guarantee shall be valid up to _____. It come into force with immediate effect and shall remain in force and valid for a period up to the time of completion of the work under the stated contract plus claim period of six months for the Bank Guarantee. Notwithstanding, anything mentioned above, our liability against this guarantee is restricted to Rs (Rs. _____) and unless a claim in writing is lodged with us within the validity period, i.e upto.....of this guarantee all our liabilities under this guarantee shall cease to exist.

Signed and sealed this _____ day of 20 _____ at _____

SIGNED, SEALED AND DELIVERED

For and on behalf of the BANK by:

(Signature)

(Name)

(Designation)

(Code Number)

(Address)

NOTES:

- 1. The bank guarantee should contain the name, designation and code number of the officer(s) signing the guarantee The address, telephone number and other details of the Head Office of the Bank as well as of issuing Branch (within West Bengal only to be accepted) should be mentioned on the covering letter of issuing Branch.