



GOVT. OF WEST BENGAL
IRRIGATION AND WATERWAYS DIRECTORATE
OFFICE OF THE EXECUTIVE ENGINEER
COOCH BEHAR IRRIGATION DIVISION
DEBI BARI, COOCHBEHAR
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NOTICE INVITING EXPRESSION OF INTEREST (EoI) NO. WBIW/EE/COB/EoI-01(m) of
2023-24.

Assignment Title:

Engagement of a Consultant for Survey & Investigation and preparation of DPR for Integrated flood and erosion Management of River Torsa and its tributaries in district Alipurduar and Cooch Behar under Brahmaputra Basin within West Bengal.

Expression of Interest (EOI) for short listing of consultants from the interested participants is being invited by the Executive Engineer, Cooch Behar Irrigation Division, Irrigation & Waterways Directorate on behalf of the Governor of West Bengal through **offline mode** for the above mentioned work from reliable reputed resourceful consultants /bidder having desired Prequalification credential for execution of works of similar nature and requisite financial capability. **The EoI would require the consultants /bidder to only qualify for the next stage for issuance of RFP documents and submission of Technical & Financial bid.**

Section 1. Brief about objectives and scope of work

1. Preamble:

Erosion along the banks of the River Torsa and its tributaries in district of Alipurduar and Cooch Behar have become a pressing concern for the State of West Bengal. It was decided at the highest level of the Department to prepare a DPR for protection work of River Torsa and its tributaries in the districts of Alipurduar and Cooch Behar by engaging a Suitable Consultancy Firm to enable its submission to Brahmaputra Board based on the guideline of Central water Commission (CWC) after clearance from State TAC.

2. Objectives:

Objectives of the present assignment are:

- (a) To undertake site visits, soil investigation & Survey (bathymetry by ADCP, DGPS & RTK), Total Station (TS) as would be necessary.
- (b) Preparation of a "Detail Project Report (DPR) for the proposed protection work of **river Torsa and its tributaries** in the districts of Alipurduar and Cooch Behar" for submission to Brahmaputra Board in conformity with CWC guideline after its clearance by the State Technical Advisory Committee (TAC) and preparation of subsequent reply to the observations of Brahmaputra Board till finalization of acceptance, as will be required.

3. Scope of Services, Components & Deliverables and Timelines:

3.1 The assignment consists of the following tasks:

- Collection of chronological satellite maps/ rainfall and other hydrological/hydraulic/

erosion/ flood related data, including gauge/ discharge from Central/ State Government(s) Departments/ Organizations like IMD, CWC, I&WD & Disaster management & Civil Defence Department under GoWB, (Department of Science & Technology) GoWB & relevant Departments under Government of India etc.

I&WD shall provide the data relating to the Government of West Bengal, so far available, while the Consultant will have to arrange for data from other sources. I&WD will issue letter(s) of introduction to the Consultant in processing such data, if asked for.

- Detailed design to be done in accordance with relevant BIS publications/CWC or Brahmaputra Board Guidelines/ Standard and sound engineering practices adopted by the I & W Department as per prescribed guidelines, by analytical methods and also mathematical modelling, if required.
- Preparation of a Detailed Project Report and estimate as per SOR of CWC as per guideline of Brahmaputra Board containing relevant chapters/ topics and BOQ/ tender documents as will be required.

3.2 The Consultant will use available data and studies/ records, and will work in close consultation with the I&W Department and other associated institutions/ organizations. Necessary field survey and investigation, required for suggesting various measures will have to be done by the Consultant.

4 The Consultant will conduct regular meetings with I & W Department .

- (a) Seek various inputs, collection of reference GTS BM points.
- (b) Discuss the progress of the work and preliminary outputs.
- (c) Hold workshop meetings in association with the client.
- (d) Give the opportunity to the client to make comments and suggestions.
- (e) Resolve problems and issues that may be encountered.

5. Deliverables and schedules are shown below:

Deliverable	Timeline
Draft Preliminary Project Report	1 (One) month from Contract signing.
Final Preliminary Project Report	15 days after receipt of comments, to be communicated by the Client within 15 days from receipt of the Draft Report.
Draft Detailed Project Report	Within three (2) months of contract signing.
Final Detailed Project Report	15 days after receipt of comments, to be communicated by the Client within 15 days from Receipt of the Draft Report.

- Note:
1. Total time duration allowed for the assignment is five (05) months.
 2. The Consultant shall review and modify the Feasibility Report, till it is fully cleared by the Client/CWC, without charging any extra cost; provided such modifications are suggested by the Client within 01 months of submission of the draft DPR and for this purpose, the contract would be deemed to have been extended for such period.
 3. Subsequent queries it arises out of the observations Brahmaputra Board, the reply of the same have to be prepared by the Consultant on behalf of Client, if otherwise required.
 4. All deliverables in the draft and final form are to be provided in soft copies (Pen Drive--- ten (10) numbers in total, five (05) for each case. Deliverables in the draft form are to be provided in 10 (ten) hard copies and final forms in 14 (fourteen) hard copies.

6. Place of Execution of assignment

The work of execution of assignment will be in the districts of Cooch Behar & Alipurduar in the State of West Bengal, India.

7. Engagement of experts and submission of work plan

The Consultant, shall provide a list of in-house personnel as well as outside experts, proposed to be engaged in connection with the assignment and a bar chart showing work plan, within 7 (Seven) working days of signing of the contract. It is desirable to have the following experts in the team of the Consultant.

Suggested key experts and their minimum qualification and experience are listed below:

#	Position	Minimum Qualification	Experience
K1	Team Leader	Graduation in Civil Engineering preferably. Post-Graduation in water resources/Hydrology/Hydraulic Engineering.	At least 20 years of experience at National/State level in design, implementation and management of major Irrigation & Drainage/Flood Control projects; and team leadership in these types of projects, preferably funded by State/ Central Government.
K2	Dy. Team Leader	Graduation in Civil Engineering and preferably Post Graduation in Hydrology/Water Resources/ Hydraulic Engineering.	At least 15 years of experience at National/State level in design, implementation and management of major Irrigation & Drainage/Flood Control projects; and association as Consultant or otherwise in this types of project, funded by State/ Central Government, Preferably Government of West Bengal.
K3	Flood Management Expert	Graduation in Civil Engineering and preferably Post Graduation in Water Resources/ Hydraulic Engineering	At least 10 years of experience in carrying out studies/ detailed design and management of W.R. Projects. Operation and maintenance for major flood management projects, preferably funded by State/ Central Government, preferably Government of West Bengal.
K4	Hydraulic Structural Engineer	Graduation in Civil Engineering and preferably Post Graduation in Hydraulic Engineering / Water Resources.	At least 10 years of experience in detailed design of hydraulic structures major Irrigation/Flood Management/ Water Resources Projects.
K5	Hydrologist/ Hydraulic Modeler.	Graduation in Civil Engineering and Post Graduation in Hydrology/ Water Resources.	At least 10 years of experience in the field of hydrological studies/mathematical modeling / mapping/ designing for major Water Resources Projects, in Flood Management/Drainage Sector.

The Consultant shall submit CVs of these key experts along with the proposal.

Other Specialists (named as Non-Key or other personnel) listed below will also be required for the assignment but there is no need of submission of CVs of these persons. However, names of these experts in relevant fields need to be provided with the offer.

AutoCAD and RS & GIS Expert.

— Geotechnical Specialist

— Environmental Specialist with experience in irrigation and flood management.

— Quality Control Specialist.

— Survey Expert (Specially in bathymetry, RTK, TS & DGPS)

Support Engineer (Multipurpose).

8. Site Office of the Consultant and visit to sites

The Consultant will preferably have site offices at the relevant districts, at rented accommodation if required, and the Client may depute personnel at these offices for which suitable office space will have to be provided. The Consultant's team will also require to make field visits. The Consultant will duly consider expenditure on these accounts, within his offered rates.

9. Client's input/Background materials

The following data sets/ reports are available for providing to the Consultant:

- Index Map of the proposed study area. (Annex-III).
- List of areas under erosion/subsidence of banks during monsoon period of 2023 (Annex-II).
- River gauge & Rain gauge station of I & W D sites. (Annex-I).

11. Offering proposal by the Consultant. (at the time of RFP)

The Consultant shall quote its competitive price on lump sum basis for the whole within 10 (ten) days from the pre-bid conference in the 'Letter Comprising the Bid' and also in the 2nd Page of the contract document 2911(ii). It may be noted that this RFP document will also form a part of the contract agreement and will be appended to 2911(ii). The Consultant, while submitting the total rate, shall also furnish breakup of the total cost, on the basis of estimated man-month of the key and other experts, inclusive of other charges and all sorts of direct and indirect tax liabilities. The Consultant will also furnish a list of assignments of similar nature completed during the last 5 years.

12. Evaluation of offer, further negotiation and acceptance of offer.

Offer of the Consultant will be evaluated by a Consultancy Tender Evaluation Committee (CTEC), for which case specific GO will be issued by the Department. The evaluation will be done on the basis of Combined Quality Cum Cost Based System (CQCCBS) method. The Committee may hold negotiation meetings with the Consultant for lowering down the rates, if these appear to be on the higher side, to the Committee. The Committee may also seek any other supporting documents from the Consultant or may also seek for change of key experts, at evaluation stage and these are to be complied by the Consultant. **The Committee, after completion of negotiation, will recommend the rate and amount to the Finance Department for concurrence.** Minutes of the negotiation meetings shall form part of contract agreement document.

Section 2. Instructions to Consultants (ITC)

A. Standard Information

1. Definitions (a) "Applicable Law" means the laws and any other Instruments having the force of law in the Client's country as they may be issued and in force from time to time.

(b) "Client" means the Executive Engineer, Cooch Behar Irrigation Division, and Irrigation & Waterways Directorate, who will sign the Contract for the Services with the selected Consultant, on behalf of Government of West Bengal, India.

- (c) "Consultant" means a legally-established professional consulting firm or an entity that may provide **or provides** the Services to the Client under the Contract.
- (d) "Contract" means a legally binding written agreement signed between the Client and the Consultant and includes all the attached documents.
- (e) "Day" means a calendar day, unless otherwise specified as "Business Day". A Business Day is any day that is an official working day of the client. It excludes the client's official public holidays.
- (f) "Experts" means, collectively, Key Experts, Non-Key Experts, or any other personnel of the Consultant, Sub-consultant or Joint Venture member(s).
- (g) "Government" means the Irrigation & Waterways Department of Government of West Bengal.
- (h) "In writing" means communicated in written form (e.g. by mail, e-mail) with proof of receipt;
- (i) Consortium or Joint Venture or sub consultancy:- Consultants may associate with each other to form a consortium to complement their respective areas of expertise or for other reasons provided the service is of homogeneous discipline. The Consortium may take the form of a joint venture. In case of a joint venture all members of the joint venture shall sign the contract and shall be jointly and severally liable for the entire assignment. In case of a consortium one of the partners of the consortium must be the lead member and **the client will only deal/correspond with the lead member for all the purposes**. Bid proposal of the lead firm only will be evaluated and the lead firm should always be responsible for delivery of services. Experience of other members of the consortium will not be considered for bid evaluation. Sub consultancy is not allowed in this assignment.
- (j) "Key Expert(s)" means an individual professional whose skills, qualifications, knowledge and experience are critical to the performance of the Services under the Contract and whose CV is taken into account in the technical evaluation of the Consultant's proposal.
- (k) "Non-Key Expert(s) or other personnel" means an individual professional provided by the Consultant and who is assigned to perform the Services or any part thereof under the Contract and whose CVs are not evaluated individually.
- (l) "Proposal" means the Technical Proposal and the Financial Proposal of the Consultant.
- (m) "Service" means the work to be performed by the Consultant.
- (n) "CTEC" means Consultancy Tender Evaluation Committee constituted by Irrigation & Waterways Department, Government of West Bengal for carrying out the consultant selection procedure taking into account criteria as delineated in this EOI.
- (o) Contract Price means the financial rate quoted by the selected consultant in Indian Rupees, inclusive of all taxes applicable.
- (p) "Currency"- It means the currency to be adopted for this assignment. For this assignment the currency will be Indian rupees. All the consultants will quote their rate in financial bid in Indian Rupees. All the payments will be made to the consultant also in Indian Rupees. The Bank Guarantee will also be in Indian rupees.
- (q) "Bid Security"- It means the amount to be deposited by the successful in favour of Executive Engineer, Cooch Behar Irrigation Division in the form of Demand Draft from any scheduled bank will have to submit by the successful bidder at the time of signing of agreement. The deposited amount will be released after completion of Six month from the date of completion of the work in all respect.

(r) "Bid processing fees"- Will be intimated at the time of issue of RFP. No payment whatsoever would be borne by I & W Department for Submission of EoI.

(s) "Defect Liability Period"- for the proposed work 180 days from the date of submission of approved final report.

2. Procedure for bid submission.

The shortlisted consultants will have to submit the Technical and Financial proposal as per the schedule of RFP in online through limited tender mode in two separate sealed envelopes stating clearly "Technical Proposal" or "financial Proposal" on the said envelopes.

Late bids that are bids received after the last date and time of submission of bid shall not be considered for Technical evaluation and shall be returned unopened.

3. Conflict of Interest:

The Consultant is required to provide professional, objective, and impartial advice, at all times holding the Client's interests paramount, strictly avoiding conflicts with other assignments or its own corporate interests, and acting without any consideration for future work.

The Consultant has an obligation to disclose to the client a situation of actual or potential conflict that impacts its capacity to serve the best interest of its Client. Failure to disclose such situations may lead to the disqualification of the Consultant or the termination of its contract.

Without limitation on the generality of the foregoing, the Consultant shall not be hired under the circumstances set forth below:

4. Conflicting Activities:

Conflict between consulting activities and procurement of goods, works or non- consulting services: a firm that has been engaged by the Client to provide goods, works, or non-consulting services for a project, or any of its Affiliates, shall be disqualified from providing consulting services resulting from or directly related to those goods, works, or non-consulting services. Conversely, a firm hired to provide consulting services for the preparation or implementation of a project, or any of its Affiliates, shall be disqualified from subsequently providing goods or works or non-consulting services resulting from or directly related to the consulting services for such preparation or implementation

5. Conflicting Assignments:

Conflict among consulting assignments: a Consultant (including its Experts and Sub- consultants) or any of its Affiliates shall not be hired for any assignment that, by its nature, may be in conflict with another assignment of the Consultant for the same or for another Client.

6. Conflicting Relationships

Relationship with the Client's staff: a Consultant (including its Experts and Sub- consultants) that has a close business or family relationship with a professional staff of the Client, who are directly or indirectly involved in any part of (i) the preparation of the Terms of Reference for the assignment, (ii) the selection process for the Contract, or (iii) the supervision of the Contract, may not be awarded a Contract, unless it is established to the complete satisfaction of the client, for the reason to be recorded in writing, that such relationship would not affect the aspects of fairness and transparency in the selection process and monitoring of consultant's work.

Assignment Specific Information

1. General Considerations.

In preparing the Proposal, the Consultant is expected to examine the RFP in detail. Material deficiencies in providing the information requested in the RFP may result in rejection of the Proposal.

2. Cost of Preparation of Proposal

The Consultant shall bear all costs associated with the preparation and submission of its Proposal, and the Client shall not be responsible or liable for those costs, regardless of the conduct or outcome of the selection process. The Client is not bound to accept any proposal, and reserves the right to annul the selection process at any time prior to Contract award, without thereby incurring any liability to the Consultant.

3. Language

The Proposal, as well as all correspondence and documents relating to the Proposal exchanged between the Consultant and the Client, shall be written in English only. The rates should be quoted in numbers as well as in words. In case any difference between that provided in number and in word, the value in word will be considered.

4. Documents Comprising the Proposal

The Proposals, both Technical and Financial should be prepared in the prescribed formats of RFP.

5. Only One Proposal

The Consultant (individual or joint venture) shall submit only one Proposal. If a Consultant submits or participates in more than one proposal, all such proposals shall be disqualified and rejected. This does not, however, preclude a Sub-consultant, or the Consultant's staff from participating as Key Experts and Non-Key Experts in more than one Proposal when circumstances justify

6. Proposal Validity

Consultant's Proposal must remain valid for a period of **120 days** after the Proposal submission deadline.

During this period, the Consultant shall maintain its original Proposal without any change, including the availability of the Key Experts, the proposed rates and the total price.

If it is established that any Key Expert nominated in the Consultant's Proposal was not available at the time of Proposal submission or was included in the Proposal without his/her confirmation, such Proposal shall be disqualified and rejected for further evaluation.

7. Extension of Validity Period

The Client will make its best effort to complete the negotiations within the proposal's validity period. However, should the need arise, the Client may request, in writing, all Consultants who submitted Proposals prior to the submission deadline, to extend the Proposals' validity.

If the Consultant agrees to extend the validity of its Proposal, it shall be done without any change in the original Proposal and with the confirmation of the availability of the Key Experts.

The Consultant has the right to refuse to extend the validity of its Proposal in which case such Proposal will not be further evaluated.

8. Substitution of Key Experts at Validity Extension

If any of the Key Experts become unavailable for the extended proposal's validity period, the Consultant shall seek to substitute another Key Expert. The Consultant shall provide a written adequate justification and evidence satisfactory to the Client together with the substitution request. In such case, a substitute Key Expert shall have equal or better qualifications and experience than those of the originally proposed Key Expert. The technical evaluation score, however, will remain to be based on the evaluation of the CV of the original Key Expert.

If the Consultant fails to provide a substitute Key Expert with equal or better qualifications, or if the provided reasons for the replacement or justification are unacceptable to the Client, such Proposal will be rejected.

9. Sub-Contracting

The Consultant shall not subcontract the whole of the Services.

Section 3. Pre-qualification Criteria

1) Short listing of consultant based on Pre-qualification Criteria:

Consultancy Tender Evaluation Committee (CTEC) to be constituted by Irrigation & Waterways Department, Government of West Bengal for carrying out this consultant selection procedure shall evaluate the consultants for short listing among the EOI received and based on the following short listing criteria.

A. Pre-qualification Criteria and the documents/information to be furnished with the application against this EOI.

- i) The firms should have at least Three (03) years experience in the business of providing consultancy services of similar nature. (Provide a brief description of the organization including ownership details, date and place of incorporation of the Firm, Objectives of the Firm and details of similar assignments undertaken in last five financial years)
- ii) The firm should be financially sound with an average annual turnover of more than INR 50 Lakhs during any three years of the previous five financial years. Authenticated documents have to be submitted (Provide Audited Financial Reports of such three financial years during last five years must be attached.)
- iii) **The Firm should have substantially completed at least One (01) similar assignment of preparation of D.P.R. in the field of irrigation as well as erosion/Flood management as per guide line of C.W.C./Brahmaputra Board under any State Government or Central Government.** (Provide letter of Award of Contract from the employer and completion certificate issued by an official of Division level).
- iv) Availability of skilled personnel among staff having sufficient experience in similar nature of work. (Provide individual CV of such personnel in pay roll of the consultant.)
- v) Provide self-signed (& seal) copy of all statutory documents like valid certificate of incorporation, trade license, G.S.T. registration certificate, Professional tax certificate, IT returns of last 03 years. PAN card, legal documents for joint venture firms/ partnership firm deed etc.
- vi) Apply in original letter head of bidder for submission of EOI (with all requisite documents as enclosure) with name & dated signature of authorised person to sign on behalf of bidder along with contact information: address, e-mail id , mobile number of same. The applicant must contain the declaration " All the information and statements made in this proposal are true and we accept that any misinterpretation contained in this proposal may lead to our disqualification by the client at any stage."

(B) Short listing process to be followed:

The short listing will be carried out by the CTEC, to be constituted by I & WD based on the following matrix of making with the under mentioned weightages:-

- 1) The CTEC shall evaluate the consultants for short listing, inter-alia, based on their past experience of handing similar type of projects, strength of their man power and financial strength of the firm.
- 2) The CTEC will assign scores to be response of each consultant based on the weightages stated below:

Criteria	Weightage
(A) Past Experience of the Firm	[60%]
Number of years experience	20%
Past Experience of job of similar nature	50%
Past Experience in carrying out job in related sector	20%
Job of similar nature carrying out in West Bengal	10%
(B) Experience of Key personnel	[25%]
Qualifications	30%
Relevant Experience	70%
(C) Financial strength of the consultant	[15%]
Turnover figure for last three years.	50%
Net profit figure for last three years	50%

3) The CTEC shall short list all the consultants who secure the minimum 60% marks. The minimum qualifying requirement shall be specified in the EOI document.

The short list shall normally comprise at least three firms.

The consultants who secure at least 60marks will be shortlisted.

2) Bid Processing Fees

There will not be any bid processing fees.

3) Issue of Eoi documents :

The Eoi documents can be downloaded from the departmental website www.wbiwd.gov.in as well as may collect from the Office of Executive Engineer, Cooch Behar Irrigation Division, Irrigation & Waterways Directorate, Debibari, Cooch Behar during Office hours on all working days **up to 15.00 hours (IST) from 15.09.2023**

4) Submission of Eoi :

The intending Consultants/contractors should submit their profile details as asked with contact details in a sealed envelope to the address Executive Engineer, Cooch Behar Irrigation Division, Irrigation & Waterways Directorate, Debibari, Cooch Behar – 736101 and super scribing on the top "EOI" for the work ***"Engagement of a Consultant for Survey & Investigation and preparation of DPR for Integrated flood and erosion Management of River Torsa and its tributaries in district Alipurduar and Cooch Behar under Brahmaputra Basin within West Bengal."*** in the tender box to be available at the following office by **not later than 14.00 hours(IST) on 05.10.2023**

Office of the Executive Engineer, Cooch Behar Irrigation Division,
Irrigation & Waterways Directorate, Debibari, Cooch Behar - 736101.

In the event this last date being declared as holidays by any Government, due date for submission of above EOI will be the next working day at the same time.

The intending agencies should submit their Eol as per list of items (Annexure-4).

Before submitting EOI, the intending agencies should make themselves acquainted thoroughly with the site condition along with the details of assignment where the work would be executed. Additional data if any required may be collected after necessary site inspection programme, Intending quotationer may take assistance of this office for such inspection. He/she may contact this office in any working day in between 11 am to 4 pm.

Intending agencies or their authorized representatives may remain present while opening of the sealed covers containing Eol's.

Selection of appropriate EOI is entirely vested upon the Competent Authority. The authority reserves the right to accept or reject any or all Eols without assigning any reason thereof.

Since, the Notice Inviting Expression of Interests (Eols) is being made for subsequent RFP, no work order will be issued in favour of any agency against the Eol's. No payment whatsoever would be borne by I&W Department for submission of Eols.

Schedule of Dates for EoIs :

Sl No.	Activity	Date & Time	Remarks
1	Publishing date	15.09.2023 at 10.00 hours.	
2	Pre Bid Meeting date	29.09.2023 at 12.00 Noon	
3	EoI submission date	05.10.2023 up to 14.00 hours	
4	EoI opening date	12.10.2023 at 14.00 hours	

 12.09.23

Executive Engineer

Cooch Behar Irrigation Division
Irrigation & Waterways Directorate

Memo No. 895 (13)

Date :- 12.09.23

Copy forwarded for information and with request for wide circulation to the:-

1. Chief Engineer, North East, I & W Dte, Club Road, Jalpaiguri.
2. Superintending Engineer, North East Irrigation Circle-I, Debibari, Cooch Behar
3. District Magistrate, Cooch Behar
4. Superintending Engineer, North East Irrigation Circle-II, Club Road, Jalpaiguri.
- 5-6. Executive Engineer, Jalpaiguri /Alipurduar Irrigation Division.
- 7-9. Sub-Divisional Officer, Tufanganj / Mathabhanga/Cooch Behar Irrigation Sub- Division and Cooch Behar Investigation Sub-Division No-I.
10. Sub-Divisional Officer, Cooch Behar Sadar Sub-Division, Cooch Behar
- 11-12. Sr. Divisional Accounts Officer/ Estimator, Cooch Behar Irrigation Division.
13. Office Notice Board.

 12.09.23

Executive Engineer

Cooch Behar Irrigation Division
Irrigation & Waterways Directorate

Annexure-I

List of Rain Gauge Station within Cooch Behar & Alipurduar District

Sl. No	Name of rain gauge station	Name of Block/Subdivision	Maintain by	Remarks
1	Cooch Behar	Cooch Behar	District Seed Farm.	
2	Cooch Behar Airport	Cooch Behar	IMD	
3	Barokodali	Tufanganj-II	Sub-Division Agriculture Research Farms	
4	Dinhata	Dinhata	Sub-Division Agriculture Research Farms	
5	Mathabhanga	Mathabhanga-I	Block Seed Farm	
6	Sitai	Sitai	Block Seed Farm	
7	Sitalkuchi	Sitalkuchi	Block Seed Farm	
8	A.K. Paradubi	Mathabhanga	Sub-Division Agriculture Research Farms	
9	Mathabhanga CWC	Mathabhanga	CWC	
10	Alipurduar	Alipurduar	IMD	
11	Hasimara	Kalchini	I & W D	
12	Barovisa	Kumargram	IMD	
13	Kumargram	Kumargram	IMD	
14	Falakata	Falakata Section Office	I & W D	

List of River Gauge Station within Cooch Behar & Alipurduar District

Sl. No	Name of River	Location	Maintain by	Remarks
1	Torsa	Keshab Ashram	I & W D	
2	Torsa	Ghughumari	CWC	
3	Torsa	Hasimara	I & W D	
4	Kaljani	Alipurduar	I & W D	
5	Raidak-I	L.R.P. Crossing	I & W D	
6	Raidak-I	Tufanganj	I & W D	
7	Raidak-II	L.R.P. Crossing	I & W D	
8	Mansai	Mathabhanga	CWC	
9	Sankosh	L.R.P. Crossing	I & W D	

Sd/-

Executive Engineer
Cooch Behar Irrigation Division
Debibari, Cooch Behar

Annexure-II

List of vulnerable areas under Torsa Sub Basin of Brahmaputr Basin within the Jurisdiction of Cooch Behar Irrigation Division & Alipurduar Irrigation Division. Dist Cooch Behar Alipurduar I&W. Dte

Name of Sub Basin :- Torsa

Within Cooch Behar District

Sl. NO.	Name of District	Name of River	Name of Block	Location	Starting Point		End Point		Type of Works	Length in M	Remarks
					Lat	Long	Lat	Long			
1	CoochBehar	Torsa (R/B)	CoochBehar-II	Village Baldihati Area, G.P- Takagach	26°21'10.70"N	89°22'25.30"E	26°20'52.11"N	89°22'2.59"E	Type- II	1270	
2	CoochBehar	Torsa (R/B)	CoochBehar-I	Boguapara- Sutlipatti Area, G.P- Ghughumari	26°18'8.6"N	89°26'17.33"E	26°17'35.58"N	89°26'55.04"E	Type- II	1500	
3	CoochBehar	Torsa (R/B)	Tufanganj-I	village Solardanga, G.P. Balarampur-I	26°16'10.74"N	89°33'17.09"E	26°16'17.09"N	89°34'15.63"E	Type- II	2140	
4	CoochBehar	Torsa (L/B)	CoochBehar -I	village Jhinaidanga G.P. Dawaguri.	26°18'36.3"N	89°29'44.9"E	26°18'35.7"N	89°29'50.8"E	Type- II	200	
5	CoochBehar	Torsa (R/B)	Cooch Behar-I	village Bhajonerpur, G.P. Dawaguri.	26°18'11.98"N	89°29'11.38"E	26°18'7.54"N	89°29'53.56"E	Type- II	1300	
6	CoochBehar	Kaljani(R/B)	Tufanganj-I	Torsakuthi, G.P. Balarampur -I	26°15'59.37"N	89°34'48.65"E	26°15'31.81"N	89°35'37.24"E	Type- II	1500	
7	CoochBehar	Kaljani(R/B)	Tufanganj-I	Balarampur - Chowkushi, village ,G.P. Deochari	26°14'46.10"N	89°37'2.90"E	26°14'17.50"N	89°37'14.70"E	Type- II	1000	
8	CoochBehar	Kaljani(R/B)	CoochBehar -II	Purba Kholta area G.P. Marichbari Kholta	26°27'02.3"N	89°32'27.5"E	26°27'03.5"N	89°32'38.6"E	Type- II	400	
9	CoochBehar	Kaljani (R/B)	Tufanganj-I	village Souldhukri Das Para, G.P. Balarampur -II	26°13'43.02"N	89°37'36.78"E	26°13'26.11"N	89°37'42.93"E	Type- II	550	

10	CoochBehar	Kaljani (R/B)	Tufanganj-I	Char Balabhut, G.P. Balabhut	26°11'58.36"N	89°41'7.14"E	26°12'8.44"N	89°41'47.26"E	Type- II	1200
11	CoochBehar	Kaljani (R/B)	Dinhata-II	Notafela area , GP- Najirhat-II,	26°12'31.2"N	89°37'52.7"E	26°12'23.42"N	89°38'14.08"E	Type- II	700
12	CoochBehar	Kaljani(R/B)	Tufanganj-I	Chowkushi, G.P. Deocharai	26°14'03.11"N	89°37'19.87"E	26°13'49.62"N	89°37'23.04"E	Type- II	400
13	CoochBehar	Kaljani (R/B)	Tufanganj-I	Velakopa, G.P. Maruganj	26.251811 ° N	89.579087 ° E	26.253216 ° N	89.555217 ° E	Type- II	500
14	CoochBehar	Kaljani(L/B)	Tufanganj-I	Jhaukuthi,GP- Balabhut,	26°11'08.53"N	89°42'07.70"E	26°12'12.03"N	89°42'28.99"E	Type- II	700
15	CoochBehar	Raidak-I (R/B)	Tufanganj-I	Ghoshpara, G.P. Nagkati Gach	26°13'23.75"N	89°42'22.64"E	26°13'20.94"N	89°42'40.85"E	Type- II	250
16	CoochBehar	Raidak-(L/B)	Tufanganj-I	Chikliguri, G.P. Dhalpal-I	26°25'9.70"N	89°38'56.32"E	26°24'59.06"N	89°38'48.74"E	Type- II	380
17	CoochBehar	Raidak-I (L/B)	Tufanganj-II	Near paschim salbari, G.P. Salbari-II	26°22'7.91"N	89°40'6.56"E	26°22'7.11"N	89°40'18.60"E	Type- II	350
18	CoochBehar	Ghargharia (R/B)	Cooch Behar-II,	Khapaidanga & Chhawdanga, G.P. Khapaidanga	26°21'08.3"N	89°32'34.7"E	26°20'50.7"N	89°32'44.6"E	Type- II	780
19	CoochBehar	Ghargharia (L/B)	Cooch Behar-II,	Madhya Kaljani (Barman Para,G.P Khapaidanga	26°23'33.7"N	89°31'50.5"E	26°23'17.4"N	89°31'47.2"E	Type- II	800
20	CoochBehar	Ghargharia (R/B)	Tufanganj-I	village Solardanga G.P. Maruganj,	26°17'21.9"N	89°33'26.4"E	26°17'00.5"N	89°33'46.5"E	Type- II	1000

21	CoochBehar	Ghargharia,(R/B)	Cooch Behar-II	Chokar Danga, G.P. Gopalpur	26°26'41.89"N	89°27'56.02"E	26°26'44.27"N	89°27'53.17"E	Type- II	750	
22	CoochBehar	Ghargharia,(R/B)	Cooch Behar-II	Baneswar- Kaljani,G.P. Baneswar	26°24'20.52"N	89°31'16.4"E	26°24'15.57"N	89°31'21.36"E	Type- II	350	
23	CoochBehar	Ghargharia,(R/B)	Cooch Behar-II	Barokhata, G.P. Baneswar	26°24'48.70"N	89°30'59.00"E	26°24'51.50"N	89°31'09.70"E	Type- II	550	
24	CoochBehar	Bonti (R/B)	Cooch Behar-II,	North Khapaidanga , G.P. Khapaidanga	26°22'32.1"N	89°30'36.2"E	26°22'29.8"N	89°30'48.6"E	Type- II	1200	
25	CoochBehar	Gadadhar(L/B)	Tufanganj-I	Krishnapur L/B, G.P. Deocharai	26°14'36.55"N	89°39'36.75"E	26°14'31.91"N	89°39'40.67"E	Type- II	250	
26	CoochBehar	Gadadhar(R/B)	Tufanganj-I	Krishnapur R/B, G.P. Deocharai	26°15'2.45"N	89°39'26.66"E	26°14'56.88"N	89°39'31.28"E	Type- II	300	
27	CoochBehar	Gadadhar(R/B)	Tufanganj-I	Bhitarer Kuthi, G.P. Deocharai	26°15'14.90"N	89°38'0.64"E	26°15'25.49"N	89°38'3.83"E	Type- II	350	
28	CoochBehar	Gadadhar (R/B)	Tufanganj-I	Near Sontosh pur Joist Bridge, G.P. Deocharai	26°15'23.10"N	89°37'49.32"E	26°15'19.95"N	89°37'47.60"E	Type- II	150	
Cooch Behar Irrigation Division Total =										20820	M

Within Alipurduar District

29	Alipurduar	Torsa	Kalchini	At 0.0 Km to 7.03Km from Indo-Bhutan Border.	26.8583 N	89.3730 E	26.8137 N	89.3498 E	Type- II	7030	
30	Alipurduar	Torsa	Kalchini	At 7.03 Km to 8.84Km from Indo-Bhutan Border.	26.8137 N	89.3498 E	26.7927 N	89.3433 E	Type- I	1810	

31	Alipurduar	Torsa	Kalchini.	At 8.84 Km to 9.84Km from Indo-Bhutan Border.	26.7927 N	89.3433 E	26.7823 N	89.3410 E	Type- II	1000	
32	Alipurduar	Torsa	Kalchini	At 9.84 Km to 15.09 Km from Indo-Bhutan Border.	26.7823 N	89.3410 E	26.7341 N	89.3268 E	Type- I	5250	
33	Alipurduar	Hasimara Jhora	Kalchini	Chhota Machiabasty area G.P.- Jaygaon-I	26.8455 N	89.3792 E	26.8436N	89.3701 E	Boulder Sausage Barrier wall	2800	
34	Alipurduar	Gaburjyoti	Kalchini	Khoklabasty area, G.P.- Jaygaon-I	26.8404 N	89.4081 E	26.8183 N	89.3902 E	Boulder Sausage Barrier wall	5350	

Alipurduar irrigation Division Total= 23240 M

Grand Total = 44060 M

Sd/-

Executive Engineer
Cooch Behar Irrigation Division
Debbari, Cooch Behar

89°20'0"E

89°40'0"E

ANNEXTURE- III



B H U T A N

W E S T B E N G A L

Kokrajhar

A S S A M

Dhubri

Kilometers



Sl. no.	Name of River	Location
1	Torsa (R/B)	Village Baidihati
2	Torsa (R/B)	Bogupara-Sutlipati
3	Torsa (R/B)	village Solardanga
4	Torsa (L/B)	village Jhinidanga
5	Torsa (R/B)	village Bhaljonesour
6	Kaljani(R/B)	Torsakuthi,
7	Kaljani(R/B)	Balarampur - Chowkushi, village
8	Kaljani(R/B)	Purba Kholta area
9	Kaljani (R/B)	village Souldhukri Das Para,
10	Kaljani(R/B)	Char Balabhat,
11	Kaljani (R/B)	Notafeta area ,
12	Kaljani(R/B)	Chowkushi
13	Kaljani (R/B)	Velakopa,
14	Kaljani(L/B)	Jhaukuthi
15	Raidak-1 (R/B)	Ghoshpara,
16	Raidak-1(L/B)	Chikiguri,
17	Raidak-1 (L/B)	Near paschim salbari

INDEX Map of Torsa Sub-Basin (India)

18	Gharghana (R/B)	Khapidanga & Bhaadanga	29	Torsa	44.80 Km. 10.75 Km. from India- Bhutan border
19	Gharghana (L/B)	Medha Kalani - Saman Para	30	Torsa	44.700 Km. 10.85 Km. from India- Bhutan border
20	Gharghana (R/B)	village Beldanga	31	Torsa	44.834 Km. 10.85 Km. from India- Bhutan border
21	Gharghana (R/B)	Chakra Durgul	32	Torsa	44.584 Km. 10.525 Km. from India- Bhutan border
22	Gharghana (R/B)	Sonepur - Ekdul	33	Hamasra Jhora	Chitra Machadabari area C.I. Jangama
23	Gharghana (R/B)	Bardkhal	34	Goburpa	Mukhbari area C.I. Jangama
24	Bani (R/B)	North Bhaadanga			
25	Gadachar(L/B)	Kholapur L/B			
26	Gadachar(R/B)	Kholapur R/B			
27	Gadachar(R/B)	Bhawan Sutar			
28	Gadachar (R/B)	Near Kotesahpur Jom Bridge			

26°40'0"N
26°20'0"N
26°00'0"N

26°40'0"N
26°20'0"N
26°00'0"N

Alipurduar

Coochbêhar

Kilometers

89°20'0"E

89°40'0"E

Annexture-IV

Check List

1. Introducing of the consultant.
2. Contact details (with mail id & whatsapp number)
3. List of Govt. contracts (preferably Central Govt.) executed in last 5yers.
4. Key personal's details who are to be engaged.
5. Valid Certificate of incorporation, trade license, GST registration, P. Tax, ITR (of last 3years) authenticated by solicitor, PAN, legal documents of JV/ deeds, if any.
6. Turnover of last 3years.

Sd/-

Executive Engineer
Cooch Behar Irrigation Division
Debibari, Cooch Behar

