



INLAND WATERWAYS AUTHORITY OF INDIA
Ministry of Ports, Shipping & Waterways, Govt. of India
P-78, Garden Reach Road, Kolkata - 700043

IWAI/KOL/ICHAMATIRIVER (NW-44)/DREDGING/ 2023-24

Date: 11.03.2024

Quotations in sealed envelope are hereby invited by undersigned from reputed experienced contractors/agencies for the work construction of earthen dyke for withholding dredge spoil of IWAI amphibian dredger A.D. Falgu at Tentulia (Ch.40 Km) to Kalanchi (Ch. 63.38 Km) stretch of National Waterway no:44 as per terms & conditions given below. The technical and special conditions detail of the work and for execution of work is enclosed as Annex -A. The B.O.Q is enclosed as Annex -B with this NIQ, which is to be filled, signed in all papers (BOQ, technical and special conditions) and submitted along with a forwarding letter addressed to **Director, IWAI, P-78, Garden Reach Road, Kolkata- 700043.**

Sealed quotations will be received upto **3:00PM on 18/03/2024** and will be opened on **same day at 4:00PM.** The contractors/agencies or their authorized representatives who have submitted the quotations may also be present during opening of same by the committee members of IWAI.

Rates should be quoted inclusive all charges but excluding GST. The rates shall be quoted legibly both in figure and words and shall be valid up to 01year from the date of opening of this quotation. The work for which quotation has been submitted should be clearly written on the top cover of sealed envelope.

I.W.A.I. reserves the right to accept or reject any orall quotation(s) without assigning any reason thereof.

Terms &Condition: -

- 1.0 The rates should be quoted inclusive of all expenses. No extra charges are payable except GST only on submission of valid receipts.
- 2.0 The above work shall be carried out as per requisitions contained in B.O.Q. (Annex B) Technical and special conditions (Annex-A). The size (area) of earthen dyke to be constructed will be demarked & provided by as per directives of Director, IWAI, Kolkata (Engineer-In-Charge) or his representative at the site with written order in site order book.
- 3.0 The scope of work is detailed in the Technical and special conditions enclosed at Annex-A
- 4.0 The time period for completion of work is detailed at Sl no 4 of the technical and special conditions in Annex-A.

: 2 :

- 5.0 The terms of payment is detailed at Sl no 5 of the technical and special conditions in Annex-A.
- 6.0 The firm will be required to submit original Tax-Invoice in duplicate at the time of submission of the claim. Payment will be released on monthly basis after successful completion of the work after necessary certification by Engineer-In-Charge or his authorized representative.
- 7.0 GST registration, valid Trade license and experience of similar work carried out at any Government/Quasi-Government / P.S.U within last 03 years.
- 8.0 Incomplete quotations will be summarily rejected.
- 9.0 **IWAI reserves the right to accept or reject any or all quotation without assigning any reason and no correspondence shall be entertained in this regard.**

Director (I/c)

Copy to:

- i) The official web site of IWAI.
- ii) OIC, IWAI, Farakka & Swaroopganj – For displaying in Notice Board for vast publicity
- iii) Office Copy
- iv) Master Copy

TECHNICAL SPECIFICATIONS AND SPECIAL CONDITIONS**1. General**

Inland Waterways Authority of India (IWAI) is a statutory body under the Ministry of Ports, Shipping and Waterways, Govt. of India. The Authority has the principal objectives of development, maintenance and management of National Waterways in the country for shipping and navigation. Ichamati Waterway is declared as National Waterway-44 with the following waterways limit.

Length	Co-ordinate at Start	Start Location	Co-ordinate at End	End Location
63.381km	22d 39'6.71"N	Bansjhari,	22d 53'53.79"N	Kalanchi
	088d 55'33.35"E	Mallikpur	088d 53' 53.94"E	

2. Scope of Work:

IWAI is planning to undertake dredging activities in 1st phase between Tentulia to Kalanchi stretch of NW-44 to construct earthen dyke 60 m x 25 m x 1.5 m dyke for withholding dredge material and parallelly dyke to work as temporary bank protection at desired locations as detailed below. One dyke will be constructed at Hogle Gaon (Ch 45km) and repeat order to the L1- bidder will be issued/considered depending upon the progress of dredging and requirement. The locations will be finalized jointly keeping the progress of dredging advancement March'24 onward.

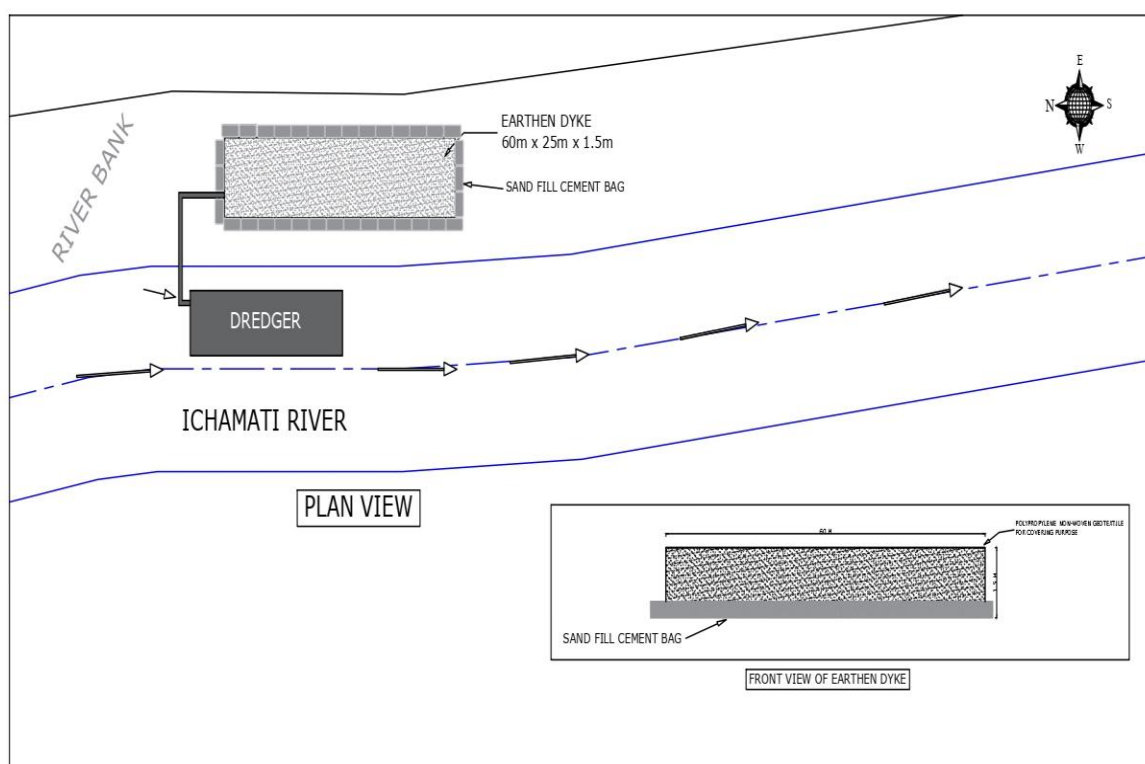
Length of area proposed for dredging	Co-ordinate of Start point	Start Location	Co-ordinate of End point	End Location
23.381	22d 47'14.616"N	Tentulia	22d 53'53.79"N	Kalanchi
	088d 08' 27.4"E		088d 53' 53.94"E	

3. Technical Specifications: -

Construction of earthen dyke of size 60m x 25m x 1.5m, spread with 60m x 3m geo textile sheet and supported with sand bags (as per requirement) for withhold dredge spoil dredge by amphibian dredger in Tentulia-Kalanchi stretch of NW-44 as per drawing and directives of Engineer-in charge. The size of dyke can differ as per availability of land/requirement for disposing of dredged spoil and area of earthen dyke shall be calculated per cu.mi.e actual work carried out at site.

- i) **Earthwork in embankment:** Earthwork in making new embankment / ring bundh/ retired embankment by excavation of earth from borrow pits in all kinds of soil including making berms and depositing the same in layers not exceeding 25 cm. as per profile within an initial lead of 30 meter and lift of 1.5 meter including cost of nicking outlines, dug-belling, putting profiles, cutting and removing thick and thorny jungles, uprooting trees and stumps of all sizes up to 30 cm., girth from the site alignment as per direction of the Engineer in-Charge including dewatering, removal of weeds, carcasses, organic matter etc., if any, breaking clods, rough dressing, watering, ramming, compacting etc. complete. (Work to be executed on section measurement by pre-work & post-work level section) A. Where land for earth owned/arranged by the Department. Area for the earthen dyke = 60m(Length) x 25m(Width) x 1.5m (Height)
 - ii) **Geotextile sheet:** Supplying at site and laying in position UV stabilized needle punched, stapled fibre / continuous filament polypropylene non-woven geotextile of 300 gsm as filter, as per specification, including cost of preparing the bed, placing the geotextile as per profile with at least 15cm lapping, wherever required and anchorage at top, sewing / welding the overlapped portion, storage and transportation by all means, complete as per direction of the Engineer-in-charge.
Area for laying of Geotextile sheet = 60m(Length) x 2.5m (Width) + 25m (length) x 2.5m (Width).
 - iii) **Cement Bag filled with sand:** Supplying at site empty cement polythene bag (50 kg capacity) in good condition – Length of Dyke area 2 side x 60m (Length) + 2 side x 25m (Length) = 170m. Area for laying of cement gunny bag / polythene bag (capacity 50 kg) with all kinds of earth (wet or dry), sand (with sewing) – 170m (Length) x 2 rows (as per requirement at site).
- i. The bidder should be familiar with the site conditions. In case of any local objections against construction of dyke with local fishermen, local residents/ inhabitants, it has to be settled by the contractor. However, on request, IWAI shall extend liaison/assistance to the contractor to approach concerned officials of State/District Administration. Contractor shall at his cost arrange all the equipment/ machinery required for construction of dyke.
 - ii. Contractor shall engage supervisor to pay special attention for identification of sites jointly with IWAI in advance and for timely completion of construction of dykes and IWAI shall not be responsible for any delay in the construction of dyke.
 - iii. In case of slow progress of work Engineer-in-charge may direct to deploy additional machinery for augmenting resources and completion of the work in time and in such case, contractor is bound to mobilize additional machinery without mobilization and demobilization charges.

- iv. In case of obstructions like concrete piles, any abandoned part of the structure/impediments exist in the dyke construction site, the same need to be removed by the contractor and no extra payment will be paid to the contractor in this regard.
- v. If the dyke construction work is disrupted continuously for more than 3 days due to law and order, contractor has to report to Engineer-in-charge of the same and take actions in accordance with the prevailing local laws for resolving such problem and proceeding further with the work for mutual benefit.



4. TIME PERIOD

- i. Earthen dykes are to be constructed in between Tentulia- Kalanchi stretch of NW-44 for disposal of dredge material by IWAI departmental Amphibian/CSD dredger.
- ii. The repeat order for construction of additional dykes will be issued by Engineer-In-Charge of the project i.e Director, IWAI, Kolkata based on the progress and requirement for dumping of dredge spoil by dredger A.D Falgu.
- iii. The construction of dyke is required to be completed in all respect within 05 days (including mobilization of machineries / materials from the issuance of order in the site order book by Engineer-in-Charge or his authorized representative failing which Liquidated Damage @ 1% per week and maximum of 10% of the awarded value will be deducted from the bill.

5. TERMS OF PAYMENT:

- i. A site order book shall be maintained by the contractor containing directives of EIC or his representative and progress of each dyke. One copy to be enclosed with each running bill.
- ii. Based on recommendations and actual size of the dyke constructed in the site and certified in the site order book, the bills shall be raised for each dyke by the contractor and the bills shall be payable by the authority on recommendation by Engineering-in-Charge.
- iii. The payment will be considered for payment on per dyke basis and after successful completion of the work and necessary certification in site order book by Engineer-In-Charge or his authorised representative.
- iv. Payment of contractor's bill shall be made by the authority within 30 days from the date submission of the bill subject to acceptance of the EIC or his representative.
- v. In case of delay, Liquidated Damage @ 1% per week and maximum of 10% of the awarded value will be deducted from the bill.
- vi. Security deposit @ 10 % shall be deducted from the bill which shall be released after 45 days only after successful completion of work and recommendation by the E-IC or his representative.
- vii. Payment due to the contractor shall generally be made by RTGS/crossed cheque and issued directly to the contractor on furnishing a stamped receipt for the cheque or to his consider attorney duly authorized to receive such payment.

**BOQ FOR CONSTRUCTION OF EARTHEN DYKE FOR
WITHHOLDING DREDGE SPOIL OF IWAI AMPHIBIAN DREDGER
A.D. FALGU IN TENTULIA (Ch.40 Km)-KALANCH (Ch.63.38 Km) OF
NATIONAL WATERWAY No.44**

Sl No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
1	Construction of earthen dyke using 3m geo textile sheet and supported with sand bags (as per requirement) for withhold dredge spoil dredge by amphibian dredger in Tentulia - Kalanchi stretch of NW-44 as per directives of Engineer-in charge (Sample drawing of 60m x 25m x 1.5m enclosed)	Cu.m.	1		
	Grand Total				
GST (As applicable)					

Remarks: The quantity of dyke shall be measured jointly by E.I.C, IWAI or his representative along with successful bidder.

Signature with seal of the Authorised Representative
Name of the Agency with seal.....