



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

IWAI/KOL/ICHAMATI RIVER(NW-44)/DREDGING/2023-24
Date: 20.09.2023

NOTICE INVITING QUOTATION

Sealed quotations are hereby invited from the contractors/agencies for construction of 20 m x 05 m x 2.4 m size bamboo dykes for withholding dredge spoil of IWAI Amphibian Dredger A.D Falgu in Tentulia (ch. 40 km) - Kalanchi (Ch.. 63.38 km) stretch of National Waterway no:44 as per terms & conditions given below. The technical and special conditions, details of the work and for execution of work is enclosed as Annex-A. The B.O.Q is enclosed as Annexure – A with this N.I.Q. which is to be filled in , signed in all papers (BOQ , technical and apecial conditions) and submitted along with a forwarding letter addressed to **Director,IWAI, P-78, Garden Reach,Kolkata-700 043**

Sealed quotations will be received up to **3:00PM on at 27/09/2023 and will be opened on same day at 4:00PM.** The contractors/agencies or their authorised representatives (with authorisation letter) who have submitted the quotations may also be present during opening of same by the committee members of R O Kolkata.. In case authorised representatives, they are required to bring authorization letter of the concerned firm.

Rates should be quoted inclusive of all charges but excluding GST. The rates shall be quoted legibly both in figures and words and shall be valid up to 01 year from the date of opening of this quotation. The name of the work should be clearly written on the sealed envelope.

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

Terms and Conditions:

- 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) and as per directives of Director, IWAI, Kolkata (Engineer-In-Charge) or his authorized representative.
- 3.0 The scope of work is detailed in the Technical and special conditions enclosed at Annex-A

: 2 :

- 4.0 The time period for completion of work is detailed at Sl no 4 of the technical and special conditions in Annex-A.
- 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 authorised representative.
- 7.0 GST registration, valid Trade licence and experience of similar work carried out at any Government/Quasi-Government/P.S.U within last 05 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 website 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, Mallikpur	22d 53'53.79"N	Kalanchi
	088d 55'33.35"E		088d 53' 53.94"E	

2. Scope of Work:

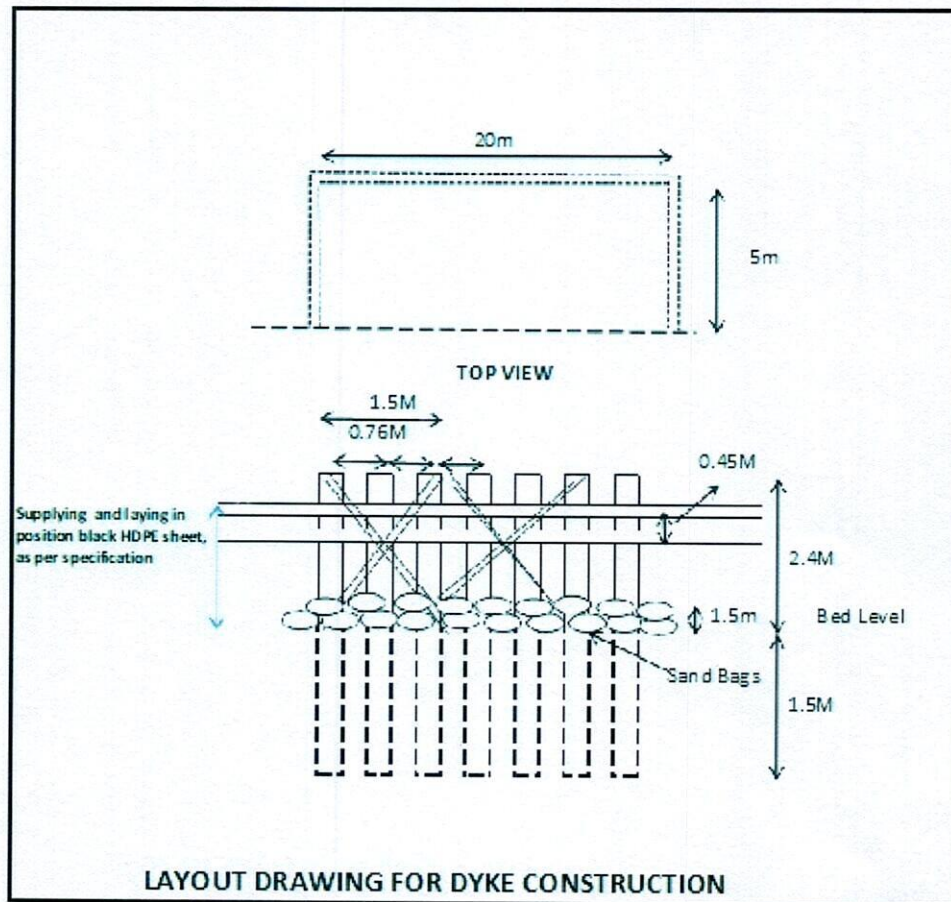
IWAI is planning to undertake dredging activities in 1st phase between Tentulia to Kalanchi stretch of NW-44 to construct 20 m x 05 m x 2.4 m dyke for withholding dredge material and parallelly dyke to work as temporary bank protection at estimated 45 locations as detailed below. On trial basis initially 01 dyke will be constructed at Tentulia (Ch 40 km) 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 during the period September'23 to March'24.

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** for providing double bamboo palisading 50 mm to 75mm dia with bamboo stake driven 1.20 m to 1.50 m below ground level and 1.80m to 2.40m above ground level at 76mm apart tied with double bamboo horizontal at 0.45m apart and strengthening with two rows of whole bamboo strut and two rows of whole bamboo cross tied at 1.50m apart between the two palisading all joints being tied with 10 cm to 15cm long iron nails etc. including filling inside outside properly with earth/sand in cement bags etc. complete /drawing and as directed

: 4 :

- i. Bamboo pin piling (in vertical--Length of each bamboo should be 3.9m) : Length of Dyke area = $2 \times 5\text{m} + 20\text{m} = 30\text{ m}$ (Specification of piling : @ 75mm apart of each bamboo (3.9m length))
- ii. Bamboo tied (in horizontal) : Length of Dyke area = $2 \times 5\text{ m} + 20\text{ m} = 30\text{ m}$ (Specification of bamboo tied in horizontal : @ 0.45m apart in two rows)
- iii. Bamboo cross tied (Length of each bamboo should be 2.83m) : Length of Dyke area = $2 \times 5\text{ m} + 20\text{ m} = 30\text{m}$ (Specification of bamboo cross tied : @ 1.50m apart (Length of bamboo = $\sqrt{\{(1.5)^2 + (2.4)^2\}} = 2.83\text{m}$)
- iv. Supplying to site empty cement polythene bags (capacity 50kg) in good condition . : Length of Dyke area = $2 \times 5\text{m} + 20\text{m} = 30\text{m}$ (Area for cement bag laying : $30\text{ m (length)} \times 0.45\text{ m (width)} \times 1.5\text{ m (Height)}$)
- v. Supplying at site and laying in position black HDPE sheet, as per specification of density of 930 to 970 kilogram per cubic meter and thickness 0.1-2 Milimeter, width of each roll upto 12 meter (m), length of each roll 10-500 meter, including cost of preparing the bed, placing the black HDPE sheet as per profile with at least 15cm lapping complete as per direction of the Engineer-in-charge.
- vi. The bidder should visit the site and 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.
- vii. 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.
- viii. 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.
- ix. 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.
- x. 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. Total 45 nos dykes are estimated to be constructed in between Tentulia-Kalanchi stretch of NW-44 for disposal of dredge material by IWAI departmental Amphibian/CSD dredger.
- ii. The size of dyke is proposed 20 m x 05 m i.e 100 sq.m , however the dimensions may differ as per site conditions for which necessary directives will be issued by the Engineer-in-Charge or his representative in the site order book.
- iii. This quotation is being floated for construction of 01 dyke initially and 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 at site.
- iv. The construction of dyke is required to be completed in all respect within 12 days (including mobilization of materials from the issuance of order in the site order book by Enginner-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:

1. 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.
2. 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.
3. 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.
4. 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.
5. In case of delay, Liquidated Damage @ 1% per week and maximum of 10% of the awarded value will be deducted from the bill.
6. 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.
7. 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.
8. The rates quoted by the firm should be valid for 01 year from the date of award of work to the successful bidder .

**B.O.Q. FOR CONSTRUCTION OF 20 M X 05 M X 2.4 M SIZE BAMBOO
DYKES FOR WITHHOLDING DREDGE SPOIL OF IWAI AMPHIBIAN
DREDGER A.D FALGU IN TENTULIA (CH. 40 KM) - KALANCHI (CH..
63.38 KM) STRETCH OF NATIONAL WATERWAY NO:44**

Sl No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
1	Construction of 01 nos. bamboo dykes of size 20 m x 05 m with 2.4 m height above Ground Level and driving 1.5 m below Ground level, filled with sand bags (1.5 m height) and spread with geotextile sheets to withhold dredge spoil dredged by amphibian dredger in Tentulia-Kalanchi stretch of NW-44 as per specifications ,drawings , as per size of dyke required at site.and directives of Engineer-in-Charge	Sq.m	100		
	Grand Total				
GST (As Applicable)					

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