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भारत सरकार
GOVT. OF INDIA
पत्तन, पोत परिवहन और जलमार्ग मंत्रालय
Ministry of Ports, Shipping & Waterways
भारतीय अन्तर्देशीय जलमार्ग प्राधिकरण
INLAND WATERWAYS AUTHORITY OF INDIA
Pandu Port Complex, Pandu, Guwahati-781 012, Assam

No. IWAI/GHY/3(13)/Misc/2024   Date: 27.09.2024

NOTICE INVITING QUOTATION

Sealed quotations are invited from the reputed Contractor / agencies for "*Estimate for Construction of RCC footing and column including installation of MS pipe*" as per <u>Annexure</u> as per terms and conditions laid down below. The NIQ can also be downloaded from IWAI's website (www.iwai.nic.in).

(2)   The construction works may be done as per following terms and conditions mentioned below:

(i)   The price may be quoted in both words and figures.

(ii)   The price may be quoted including all the cost such as supply & installation charges, POL, maintenance, incidental charges and all taxes excluding Good & Service Tax (GST) as applicable which will be paid on production of proof of payment. No other charges shall be entertained.

(iii)   The above construction work should be as per the BOQ & directives of Engineer-In-Charge or his authorized representative. In case of the supplied items / materials and installation is found in improper condition the supplier should replace the same within one at his own mobilization / de- mobilization cost.

(iv)   The construction works should be completed within 35 (thirty five) days from the date of the issue of work order. The other ancillary works are to be carried out as per direction of EIC or his authorized representative.

(v)   EIC or his authorized representative reserves the right to alter the duration of the work / reduce the quantity of the work as per actual requirement & as per site condition.

(vi)   The firm has to submit documentary evidence of current copy of the Registration Certificate, PAN and GST.

(vii)   The payment shall be made by RTGS / PFMS within 30 (thirty) days after satisfactorily completion of work after necessary certification by EIC or his authorized representative. The period of construction will be made as per BoQ on submission of bill as per actual work done and satisfactorily completion, certification by EIC or his authorized representatives.

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(i)   In Case of delay in completion of work liquidity damage @ 1.5 % per month to be computed on per day basis. The total amount of compensation for delay to be paid under this condition shall not exceed 5% of the value of work.

(ii)   Necessary compensation in case of any accident will have to be paid by the supplier as per rule and it solely responsibility of the agency to take all necessary / applicable insurance policy etc. IWAI will not be held responsible for any such unforeseen events and no compensation shall be paid by IWAI.

(iii)   IWAI reserves the right to accept or cancel any / all quotations without assigning any reason or any prior notice.

(3)   The sealed quotation should reach this office latest by 07.10.2024 at **15:00 hrs** and will open on same day at **15.30 hrs.** No quotation will be accepted after the last date and time for submission of quotations.

Encl: as stated above.

DIRECTOR (I/C)

Copy to: Office Notice Board

BoQ for Construction of RCC footing and column including installation of MS pipe

Sl No	Description of items of work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil **Total No. of Footing = 2nos**	cum	5.29		
1.01	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : **Ratio -** 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources) **PCC Below Footing. Ratio 1:2:4 (M15) (1.3 x 1.3 x 0.1)m**	cum	0.34		
1.02	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : Ratio - 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size de rived from natural sources) **Footing (size 1.25 x 1.25 x 0.25)m**	cum	0.78		
1.03	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : Ratio - 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size de rived from natural sources) **Column (size 0.55 x 0.55 x 1.5)m**	cum	0.91		
1.04	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. **Footing Size** Length : 1.25m Breadth : 1.25m Depth : 0.25m Reinforcement details for each footing: 16 mm dia bars @ 0.150 c/c (Both Lateral & Longitudinal) Cutting length : (1.1 + 0.2 + 0.2)= 1.5 x 16nos = **24 m**) (16 mm dia bar unit weight = 1.580 kg per mtr) (24 x 1.580 = **37.92kg**) **Column size** Length : 0.55m Breadth : 0.55m Depth : 1.50m Reinforcement details for each Column: Main bars : 8 nos 16mm dia @ 0.150 c/c (Cutting length (1.5+0.2+0.3)=2m x 8 nos = **16m** (16 mm dia bar unit weight = 1.580 kg per mtr) (16 x 1.580 = **25.28 kg**) **Column Stirrups** 8 mm dia @ 0.150 c/c Cover= 40mm Cutting length : H=/(0.235x0.235)+(.235x.235) =0.332 m Now cutting length = 4H + 4a + (2x10xd) - (3x2xd) - (2x3xd) = (.332x4) + (4x0.47) + (2x10x0.08) - (3x2x0.08) - (2x3x0.08) =3.84m (one column stirrup 11 nos x 3.84 = **42.24 m** (8 mm dia bar unit weight= 0.395 kg per mtr) Weights of column stirrups = 42.24 x 0.395 =**16.68 kgs**	Kg	160		
1.05	**20mm MS Plate :** Bottom Plate (attached to column) : Size: Length = 0.45m, Breadth = 0.45m & Thickness = 20mm Unit weight per sqm of MS plate (for 20mm thickness) = 157 kg Total weight for each MS plate = (0.45 x 0.45) x 157 = 31.79 kg, **Say 32 kg**	Kg	128		
1.06	**Foundation Bolt** @ 32mm dia Depth = 0.75 m 8 nos foundation bolt per column. (weight of each bolt = 5 kg) = 8 nos bolt x 5 = **40 kg**	Kg	80		
1.07	**Vertical MS round pipe @ 300mm Outer dia** Thickness = 6mm Unit Weight per meter = 48.33 kg Length = 6 m Weight for each MS pipe (for 6m) = **(48.33 x 6) = 290 kg**	Mtr	12		
1.08	**MS plate for support the 300mm dia column with the column :** Size of each plate : Thickness : 20mm Size of the rectangular portion : Width = 0.05m , Height = 0.2m, Area = 0.05m x 0.2m = 0.01 sqm -----(i) Size of the triangular portion : Base = 0.05m, Height = 0.2 m, Area = 1/2 x 0.05 x 0.2 = 0.005 sqm -----(ii) Total Area = 0.01 sqm + 0.005 sqm = 0.015 sqm Unit weight for per sqm = 157 kg No. of supporters in one column = 6 nos. Total weight for each column (6 supporters) = 6 x 0.015 x 157 kg **= 14.13 kg**	Kgs	28.3		
1.09	Hiring charges of Hydra for lifting, installation, fitting & fixing with bolts of 300mm dia MS column	Job	1		
			Total excluding GST Rs.		

In words: ....

Note:- All works shall be completed as per direction of EIC or his representative