

Govt. of West Bengal

Irrigation & Waterways Dte.
Office of the Executive Engineer
West Midnapore Division
Medinipur, Paschim Medinipur
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NIT NO- WBIW/EE/WMD/NIT-06 of 2017-18**Sl. No. 01**

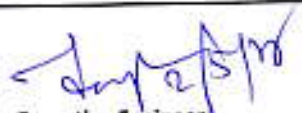
Schedule of Quantity, Unit, Rate and Amount for the work "Geotechnical investigation including soil testing in c/w the work, "Construction of R.C.C Bridge at-Cherua with carriage way 4.25 Metre over Kalaichandi khal at Mouza-CHERUA in Block - Midnapore Sadar P.S.-Kotwali, Dist-Paschim Medinipur".

Amount put to Tender :**₹ 1,42,650.00****Earnest Money :****₹ 2,853.00****Time allowed for Completion :****30 days**

Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
1	Mobilisation charges of all tools and plants along with accessories, materials, labour, supervision etc. at site of work-required in connection with boring and testing work including setting up boring rig and shifting to different borehole points etc. and also including withdrawal of the same from the site after completion of work, complete as per direction of Engineer-In-Charge. (Payment would be made after successful completion of work).					
	a. Preliminary Investigation Work	1.00	job	₹ 8,000.00	Rupees eight thousand and paise zero only	₹ 8,000.00
	b. Detailed Investigation	1.00	job	₹ 25,000.00	Rupees twenty five thousand and paise zero only	₹ 25,000.00
2	Carriage of all Disturbed & Undisturbed Samples from site of work to the Divisional office or elsewhere including loading and unloading as per direction of Engineer-in-Charge. Detailed Investigation	1.00	job	₹ 1,600.00	Rupees one thousand six hundred and paise zero only	₹ 1,600.00
3	Labour for making Bore-Holes of 150mm to 250mm dia. by any standard method to any depth below ground level / bed level in all kinds of soil like clay, silt, sand, stiff clay, mixed soils etc. except rocks (for the purpose of collecting Disturbed & Un disturbed soil samples, conducting Standard Penetration Test at suitable intervals etc.) including preparation and submission of bore-log as per IRC : 75 and 7B and Clause 2400 of Specifications for Road & Bridge Works (5th Revision), Published by IRC, and also including hire charges of tools and plants complete as per the direction of Engineer-in-Charge. b) When drilling mud "Bentonite of suitable consistency" is used to prevent collapse of bore hole.					
	3 nos. borehole: 2no. X 10m depth +1 no. x 15m depth					
	i) Depth: 0 mtr to 10 mtr.	30.00	M	₹ 290.00	Rupees two hundred ninety and paise zero	₹ 8,700.00
	ii) Depth greater than 10 mtr. & upto 20 mtr.	5.00	M	₹ 350.00	Rupees three hundred fifty and paise zero	₹ 1,750.00

Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
4	collection of samples from the bore hole made as per B-a a					
	(a) Undisturbed	10.00	Nos.	₹ 350.00	Rupees three hundred fifty and paise zero	₹ 3,500.00
	(b) Disturbed	25.00	Nos.	₹ 120.00	Rupees one hundred twenty and paise zero only	₹ 3,000.00
5	Field Investigation, Standard penetration tests (S.P.T) by split spoon sampler in the bore hole as per IS 2131.					
	i) 0.0m - 10.0m	16.00	Nos.	₹ 350.00	Rupees three hundred fifty and paise zero only	₹ 5,600.00
	ii) 10.0m- 20.0m	3.00	Nos.	₹ 460.00	Rupees four hundred sixty and paise zero only	₹ 1,380.00
6	Performing laboratory tests on disturbed and undisturbed soil samples as per standard procedure including tabulation of test results in prescribed proforma as per direction of EIC (As per IS: 2720)					
	i) Liquid limit as per IS 2720 (part-v)	10.00	Nos.	₹ 350.00	Rupees three hundred fifty and paise zero only	₹ 3,500.00
	ii) Plastic limit as per IS 2720 (part-v)	10.00	Nos.	₹ 350.00	Rupees three hundred fifty and paise zero only	₹ 3,500.00
	iii) Sieve analysis as per IS 2720 (part-iv)	20.00	Nos.	₹ 530.00	Rupees five hundred thirty and paise zero only	₹ 10,600.00
	iv) Grain size analysis by Hydrometer method as per IS 2720 (part-iv)	20.00	Nos.	₹ 690.00	Rupees six hundred ninety and paise zero only	₹ 13,800.00
	v) Determination of water content as per IS 2720 (part-iii)	10.00	Nos.	₹ 140.00	Rupees one hundred forty and paise zero only	₹ 1,400.00
	vi) Determination of Specific gravity as per IS 2720 (part-iii)	10.00	Nos.	₹ 460.00	Rupees four hundred sixty and paise zero only	₹ 4,600.00
	vii) Direct shear test as per IS 2720 (part-XIII)	2.00	Nos.	₹ 570.00	Rupees five hundred seventy and paise zero only	₹ 1,140.00
	viii) Determination of unconfined compression strength test as per IS 2720 (part-x) a. undisturbed	2.00	Nos.	₹ 690.00	Rupees six hundred ninety and paise zero only	₹ 1,380.00
	ix) Determination of sand content as per IS 2720 (part-IV)	20.00	Nos.	₹ 410.00	Rupees nine hundred twenty and paise zero only	₹ 8,200.00
	ix) Determination of shrinkage Factor as per IS 2720 (part-VI)	10.00	Nos.	₹ 510.00	Rupees five hundred ten and paise zero only	₹ 5,100.00

Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
	xiv) Determination of consolidation properties as per IS 2720 (part- XIV)	10.00	Nos.	₹ 920.00	Rupees nine hundred twenty and paise zero only	₹ 9,200.00
	xvi) Determination of Shear strength parameters of a specimen tested in Unconsolidated undrained triaxial compression without measurement of pore water pressure as per IS 2720 (part- XI)	10.00	Nos.	₹ 920.00	Rupees nine hundred twenty and paise zero only	₹ 9,200.00
7	Preparation & submission of report in six copies giving all relevant, Information & data like site plan bore log & water table test results, calculation of water way & completion sign of foundation analysis of bearing capacity & settlement in bound and presentable form complete as per direction of the EIC for detailed investigation.	1.00	item	12500.00	Rupees twelve thousand five hundred and paise zero only	₹ 12,500.00
Total Amount put to Tender in figure =						₹ 1,42,650.00
Total Amount put to Tender in word :						Rupees one lakh forty five thousand four hundred and ten only


 Executive Engineer
 West Midnapore Division
 Irrigation & Waterways Dto.
 Paschim Medinipur

I / We do hereby agree to do the above work @.....

Above / Less / At par than this Schedule Of Rates attached herewith.

(Signature of the Contractor)