PROPOSED ESTIMATE OF COVER CONCRETE DRAIN (HIGH)

The	e rates a	are taken from PWD(WB) schedule of & Corrigenda to the Pwd (WB),								ı. Addenda
		Length (m)=	100	Breath(Top)=0.6M			Height=0.75m			
No.	Page No & It No	No & Description		L. (m.)	B. (m.)	H. (m.)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1	278,12. 01	Earthwork in excavation for foundation of structures as per drawing and technical specification including setting out, removing, spreading or stacking of spoils within a lead of 150 m. as directed and including trimming the sides of the trenches, leveling, dressing and ramming the bottom, complete as per direction of the Engineer-in-Charge in all sorts of soil excluding marshy soil & rocks (soft or hard) by manual means.								
		Depth up to 3 m. :	1.00	100.00	1.70	1.00	170.000	m ³		
		Without pumping out water and including with	shoring.							
2	279,12. 02	Earthwork in filling in foundation trenches with good earth in layers not exceeding 15cm. including watering and ramming layer by layer complete with earth obtained from excavation of foundation or from fresh excavation of land arranged by Department within a lead of 150 m		Tot	al		170.000	m	114.00	19380.00
				Tot	al		34.000	m3	92.00	3128.00
3	Rate Analysi s Attache d	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity) Rate analysis attached	1.00	100.00	1.70	0.15	25.500			
			Tot	al		25.500		515.22	13138.00	
4	PWD B.S. (P- 47) It no- 3	Supplying and laying Polythene Sheet (150 gm/sq.m.) over damp proof course or below flooring of roof terracing or in foundation or in foundation trenches.								
			1.00	100.00	1.70		170.000	m2		
				Tot	al		170.000	m2	24.00	4080.00

No.	Page No & It No	Description	No.	L. (m.)	B. (m.)	H. (m.)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)		
;	Analysi s	Plain / Reinforced Cement Concrete in Substructure with coarse aggregates of appropriate nominal size and grading, fine aggregate (sand) conforming to proper grading zone, both of approved quality, cement and water reducing admixtures, as necessary, including labour, cost and carriage of all materials and including preparation of design mix, approval of the same by the Engineer-in- Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.M20										
		Pad	1.00	100.00	1.70	0.10	17.000	m3				
		Bed	2.00	100.00	0.25	0.75	37.500					
		2x100x(1/2)x.125x.75	2.00	100.00	0.06	0.75	9.375	m3				
		For RCC Slab	1.00	100.00	1.70	0.10	17.000	m3				
			ľ	Tota	al		80.875	m3	6287.17	508474.00		
6	6Supplying, fitting and placing HYSD bar reinforcement in Sub-structure including initial straightening, straightening of coils bars, removal of loose rust (if any), cutting to requisite length bending, binding with annealed wire not less than 1 mm in size and conforming to IS 280 at every intersection hooked and bent to correct shape and placed on forms etc.including cost of black annealed wire and cost of loading, unloading, carriage of all steel materials complete as per drawing and technical specifications and direction of Engineer-in-charge.											
		Tor Steel /H.Y.S.D. Bars. Rates as per P.W.D Building schedule										
	D 102	(1.2% of Concrete Volume)	T	Tota	al I		1.601	MT	56637.4	90699.00		
	P-192 It no- 15 B.S.	Net cementing punning on cement plaster surface.	1.00	100.00	3.17		317.000	m2				
				Tota	al		317.000		34.00	10778.00		
					0000/001	0.000			T (A) Rs.	649677.00		
			~				SGST)On Sl			77961.00		
			С	ost of Civi v		-	our welfare ces			727638.00		
	Labour welfare cess (on Sl.no C)@1.0%D Rs. Cost of Civi works including labour welfare cess amount (E=C+D) Rs.											
			Cost	of Civi worl		·			,	734914.00 21829.00		
	Add Contingency (on Sl.no C) @3.0% Rs.											
	TOTAL ESTIMATED COST Rs.											

Note: B.S. = PWD Schedule Rates for Building Works.

	Rate	Analys	sis of Steel							
FORMAT-E										
	Schedule of Rates R	Works (P-218)	1							
1	Rate of Item as per relevent section corrigendum(P-13)	1th	Rs	3308.00						
2	Add: Cost of Steel = Quantity of Steel (vide Item no. 2, Column –5, Table 2) P-215,It no-2(ii) New,11th Corrigen		Rs	45937.50						
3	Add: Cost of Carriage including nec nearest Company Outlets /Stack yar execution (excluding Overhead Cha (Cost of Carriage including loading		235.11							
	Loading & Unloading 96 x @ 0.75 =72.00									
	Add cost of carriage 150 KM from kolkata									
	0-5 KM=82	Rs	86.10							
	5-10KM (7.30x5)=36.50	Rs	38.33							
	10-20KM (6.70x10)=67.00		70.35							
	20-50KM (6.30x30)		0.00							
	50-100KM (5.60x50)		0.00							
	100-150KM (5.30x50)		0.00							
	Construction wing should add		•							
	(considering 5% wastage) of steel consolidated item ra									
	TOTAL = Rs									
4	Add: Overhead Charges @ 5% /15% be (vide SI. 3 of PREMBLE).	s the case may	Rs	2308.63						
5	Add: Contractor"s Profit @ 10% of	(2+3+4	4)		Rs	4848.12				
				TOTAL (RS)		56637.36				

Ist Corrigendum& Addenda to PWD (WB), SOR: 2015-16 Road & Bridge Works, P-1, Car I Corrigendum Addenda to PWD (WB), SOR: 2015-16 Road & Bridge Works, P-1, Car Corrigendum Addenda to PWD (WB), SOR: 2015-16 Road & Bridge Works, P-1, Car Corrigendum Addenda Aggregates) Cost of material from Pakur(Mednipur) P-222, 11th Corrigendum A-7 L+U(P-224, 1.03(c)) 57.75 L+U(P-224, 1.03(c)) 57.75 L+U(P-224, 1.03(c)) 57.75 L+U(P-224, 1.03(c)) 57.75 Upto Skm 124.00 205Mm 10.90X5 14.00 205Mm 9.50X00 0.000 50-100 8.40X50 1000 20-50km 9.50X00 0.000 50-100 8.40X50 1000 20-50km 9.50X00 0.000 50-100 8.40X50 1000 20-50km 9.50X00 0.000 50-100 8.40X50 1000 20-50km 9.50X00 0.000 50-100 8.40X50 1000 Correte 190 0.8 (40X50 1000 Cost of 20 mm store chips 0.9 cum 0.54 2037.25 1100.12 100.12 Cost of 10 mm store chips 0.9 cum 0.36 1906.25 686.25 100 Cost of 10 mm store chips 0.9 cum 0.36 1906.25 686.25 100 Cost of Cement Concrete in Substructure Cost of Cement (PC/PSC/OPC43) P- 215, 11th Corrigenda & Addenda, P-1 200 Plain / Reinforced Cement Concrete in Substructure with coarse aggregates of appropriate nominal size and grading, fine aggregate (sand) considered in the value of the same by the Engineer in-Charge and cost for quality control, same chips 0.9 cum 0.36 1906.25 687.17 design and the value of approved quality control, same chips 0.9 cum 0.36 1906.25 686.25 100 Plain / Reinforced Cement Concrete in Substructure with coarse aggregates of appropriate nominal size and grading, fine aggregate (sand) consideration, the value of approved quality control, same chips 0.9 cum 0.36 1906.25 687.17 design and the chaines apper drawing and technical specifications (P-295.11 no- 13.01D(i) 11th Corrigendum P-13)				Rat		•	f Cocrete			
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Corrigenda,P-7 L				1700	00	14	569.00			
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Plain / Reinforced Cement Concrete in Substructure with coarse aggregates of appropriate nominal size and grading, fine aggregate (sand) conforming to proper grading zone, both of approved quality, cement and water reducing admixtures, as necessary, including labour, cost and carriage of all materials and including preparation of design mix, approval of the same by the Engineer- in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.(P-295,It no-2214.00400kg Cement for MZ Ggrade(For Estimatic purpose)From durabili consideration, the value of minimum cement considered in the minimum design shall be as per to direction of the Engineer- in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specifications.(P-295,It no-400kg Cement for MZ Ggrade(For Estimatic purpose)From durabili consideration, the value of minimum cement content and maximum water cement ratio to considered in the minimum considered in the minimum construction of the Engineer- in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specifications.(P-295,It no-		-		(5	11//	1000)/	100	2200.00		
Plain / Reinforced Cement Concrete in Substructure with coarse aggregates of appropriate nominal size and grading, fine aggregate (sand) conforming to proper grading zone, both of approved quality, cement and water reducing admixtures, as necessary, including labour, cost and carriage of all materials and including preparation of design mix, approval of the same by the Engineer- in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.(P-295,It no-400kg Cement for M2 Ggrade(For Estimatic purpose)From durabilic consideration, the value of minimum cement considered in the minimum considered in the minimum		Addenda,P-	1		[[
Plain / Reinforced Cement Concrete in Substructure with coarse aggregates of appropriate nominal size and grading, fine aggregate (sand) conforming to proper grading zone, both of approved quality, cement and water reducing admixtures, as necessary, including labour, cost and carriage of all materials and including preparation of design mix, approval of the same by the Engineer- in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.(P-295,It no-400kg Cement for M2 Ggrade(For Estimatic purpose)From durabilic consideration, the value of minimum cement considered in the minimum considered in the minimum 								2214.00		
Plain / Reinforced Cement Concrete in Substructure with coarse aggregates of appropriate nominal size and grading, fine aggregate (sand) conforming to proper grading zone, both of approved quality, cement and water reducing admixtures, as necessary, including labour, cost and carriage of all materials and including preparation of design mix, approval of the same by the Engineer- in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.(P-295,It no-								2214.00	400kg	Cement for M20
 Plain / Reinforced Cement Concrete in Substructure with coarse aggregates of appropriate nominal size and grading, fine aggregate (sand) conforming to proper grading zone, both of approved quality, cement and water reducing admixtures, as necessary, including labour, cost and carriage of all materials and including preparation of design mix, approval of the same by the Engineer-in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.(P-295,It no- 									-	
 with coarse aggregates of appropriate nominal size and grading, fine aggregate (sand) conforming to proper grading zone, both of approved quality, cement and water reducing admixtures, as necessary, including labour, cost and carriage of all materials and including preparation of design mix, approval of the same by the Engineer- in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.(P-295,It no- 										
nominal size and grading, fine aggregate (sand) conforming to proper grading zone, both of approved quality, cement and water reducing admixtures, as necessary, including labour, cost and carriage of all materials and including preparation of design mix, approval of the same by the Engineer- in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.(P-295,It no-						ucture				
 conforming to proper grading zone, both of approved quality, cement and water reducing admixtures, as necessary, including labour, cost and carriage of all materials and including preparation of design mix, approval of the same by the Engineer-in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.(P-295,It no- 						nd)				
approved quality, cement and water reducing admixtures, as necessary, including labour, cost and carriage of all materials and including preparation of design mix, approval of the same by the Engineer- in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.(P-295,It no-		-	-							
admixtures, as necessary, including labour, cost and carriage of all materials and including preparation of design mix, approval of the same by the Engineer- in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.(P-295,It no-										
of design mix, approval of the same by the Engineer- in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.(P-295,It no-	admixture	s, as necessa	ary, includii	ng labou	r, co	st and	Total	6287.17		
in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.(P-295,It no-									directio	on of the Enginee
sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.(P-295,It no-						gineer			inCharg	ge.(P-297,Note-2
and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.(P-295,It no-		-	-	-		vina				
necessary form work and staging complete as per drawing and technical specifications.(P-295,It no-			-	-		•				
drawing and technical specifications.(P-295,It no-		-		-						
				-		-				
	-		-							
RCC Grade M20	RCC Grad	le M20								

]	Rate Analy	sis of Fi	ne Sand								
(11th Corrigenda & Addenda to PWD (WB), SOR: 2015-16 Road &											
	Bridge W	orks P-	3, It-3)								
		-	Fine Sand								
Cost at Site	305	rs/cum	L+U+S	77.00	L = 40%						
			L+U	57.75	U = 35%						
	-19.25	rs/cum	S	19.25	S = 25%						
	285.75	rs/cum	L=Lo	ading							
			oading								
Compacting Factor (280,12.04,Note 2)	0.835		S=Sta	cking							
	342.22	rs/cum									
Labour Charges	173.00	rs/cum									
280,12.04 11th corrigendu	um										
Total	515.22	rs/cum									