

	Add Overhead charge & C.P@15%				7287.56	
					55871.26	
	Add 1% Cess				558.71	
					56429.97	56429.97
		Say Rs		56430.00		Per M.T
(o).	T.M.T Fe -500- 28 mm					
(A).	Providing M.S reinforcement Plain					
	(including 5 % wastage)	1.05	M.T	39754.00	41741.70	
(B).	i. Annealed wire	14	Kg	65.50	917.00	
	ii Black smith Gr II	9	nos	295.00	2655.00	
	iii. Head black smith	1	nos	330.00	330.00	
	iv. Skilled mazdoor	8	nos	307.00	2456.00	
	v Unskilled mazdoor	2	nos	242.00	484.00	
					48583.70	
	Add Overhead charge & C.P@15%				7287.56	
					55871.26	
	Add 1% Cess				558.71	
					56429.97	56429.97
		Say Rs		56430.00		Per M.T
(p).	T.M.T Fe -500 32 mm					
(A).	Providing M.S reinforcement Plain					
	(including 5 % wastage)	1.05	M.T	39754.00	41741.70	
(B).	i. Annealed wire	14	Kg	65.50	917.00	
	ii Black smith Gr II	9	nos	295.00	2655.00	
	iii. Head black smith	1	nos	330.00	330.00	
	iv. Skilled mazdoor	8	nos	307.00	2456.00	
	v Unskilled mazdoor	2	nos	242.00	484.00	
					48583.70	
	Add Overhead charge & C.P@15%				7287.56	
					55871.26	
	Add 1% Cess				558.71	
					56429.97	56429.97
		Say Rs		56430.00		Per M.T
(q).	T.M.T Fe -500 36 mm					
(A).	Providing M.S reinforcement Plain					
	(including 5 % wastage)	1.05	M.T	Input	#VALUE!	
(B).	i. Annealed wire	14	Kg	65.50	917.00	
	ii Black smith Gr II	9	nos	295.00	2655.00	
	iii. Head black smith	1	nos	330.00	330.00	
	iv. Skilled mazdoor	8	nos	307.00	2456.00	
	v Unskilled mazdoor	2	nos	242.00	484.00	
					#VALUE!	
	Add Overhead charge & C.P@15%				#VALUE!	
					#VALUE!	
	Add 1% Cess				#VALUE!	
					#VALUE!	#VALUE!
		Say Rs		#VALUE!		Per M.T

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5.4 MASONRY WORK

Sr.No.	Item	Rate	Unit
5.4.1	Brick work in designation 100 A Brick with cement motar (1 : 3) in foundation with approved quality coarse sand of requisite F.M. washed and screened with raking out joints to 12 mm depth, curing, scaffolding and its removal wherever required including royalty and all taxes etc. complete job as per specification and direction of E / I.		
	Patna Urban	5418.70	Per M ³
	Patna	4848.00	Per M ³
	Muzaffarpur	4886.20	Per M ³
	Darbhanga	4886.20	Per M ³
	Bhagalpur	4869.30	Per M ³
	Munger	4869.30	Per M ³
	Saharsa	4964.50	Per M ³
	Purnea	5120.60	Per M ³
	Gaya	4677.00	Per M ³
	Saran	4714.20	Per M ³
5.4.2	Brick work in designation 100 A Brick with cement motar (1 : 4) in foundation with approved quality coarse sand of requisite F.M. washed and screened with raking out joints to 12 mm depth, curing, scaffolding and its removal wherever required including royalty and all taxes etc. complete job as per specification and direction of E / I.		
	Patna Urban	5236.50	Per M ³
	Patna	4665.80	Per M ³
	Muzaffarpur	4704.00	Per M ³
	Darbhanga	4704.00	Per M ³
	Bhagalpur	4690.10	Per M ³
	Munger	4690.10	Per M ³
	Saharsa	4782.30	Per M ³
	Purnea	4938.40	Per M ³
	Gaya	4504.40	Per M ³
	Saran	4535.00	Per M ³
5.4.3	Brick work in designation 100 A Brick with cement motar (1 : 5) in foundation with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints to 12 mm depth, curing, scaffolding and its removal wherever required including royalty and all taxes etc. complete job as per specification and direction of E / I.		
	Patna Urban	5088.70	Per M ³
	Patna	4518.00	Per M ³
	Muzaffarpur	4556.20	Per M ³
	Darbhanga	4556.20	Per M ³
	Bhagalpur	4544.80	Per M ³
	Munger	4544.80	Per M ³
	Saharsa	4634.50	Per M ³
	Purnea	4790.60	Per M ³
	Gaya	4364.30	Per M ³
	Saran	4389.60	Per M ³



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5.4.4	Brick work in designation 100 A Brick with cement motar (1 : 6) in foundation with approved quality coarse sand of requisite F.M. washed and screened with raking out joints to 12 mm depth, curing, scaffolding and its removal wherever required including royalty and all taxes etc. complete job as per specification and direction of E / I.		
	Patna Urban	4981.30	Per M ³
	Patna	4410.60	Per M ³
	Muzzaffarpur	4448.80	Per M ³
	Darbhanga	4448.80	Per M ³
	Bhagalpur	4439.10	Per M ³
	Munger	4439.10	Per M ³
	Saharsa	4527.10	Per M ³
	Purnea	4683.20	Per M ³
	Gaya	4262.60	Per M ³
	Saran	4283.90	Per M ³
5.4.5	Brick work in designation 100 A Brick with cement motar (1:3) in superstructure with approved quality coarse sand of requisite F.M. washed and screened with raking out joints to 12 mm depth, curing, scaffolding and its removal wherever required including royalty and all taxes etc. complete job as per specification and direction of E / I.		
	Patna Urban	5518.00	Per M ³
	Patna	4947.30	Per M ³
	Muzaffarpur	4985.50	Per M ³
	Darbhanga	4985.50	Per M ³
	Bhagalpur	4968.60	Per M ³
	Munger	4968.60	Per M ³
	Saharsa	5063.80	Per M ³
	Purnea	5219.90	Per M ³
	Gaya	4776.20	Per M ³
	Saran	4813.40	Per M ³
5.4.6	Brick work in designation 100 A Brick with cement motar (1 : 4) in superstructure with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints to 12 mm depth, curing, scaffolding and its removal wherever required including royalty and all taxes etc. complete job as per specification and direction of E / I.		
	Patna Urban	5335.80	Per M ³
	Patna	4765.10	Per M ³
	Muzzaffarpur	4803.30	Per M ³
	Darbhanga	4803.30	Per M ³
	Bhagalpur	4789.40	Per M ³
	Munger	4789.40	Per M ³
	Saharsa	4881.50	Per M ³
	Purnea	5037.70	Per M ³
	Gaya	4603.70	Per M ³
	Saran	4634.20	Per M ³
5.4.7	Brick work in designation 100 A Brick with cement motar (1 : 5) in superstructure with approved quality coarse sand of requisite F.M. washed and screened with raking out joints to 12 mm depth, curing, scaffolding and its removal wherever required including royalty and all taxes etc. complete job as per specification and direction of E / I.		
	Patna Urban	5188.00	Per M ³
	Patna	4617.30	Per M ³
	Muzzaffarpur	4655.50	Per M ³
	Darbhanga	4655.50	Per M ³
	Bhagalpur	4644.00	Per M ³

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		Munger	4644.00	Per M ³
		Saharsa	4733.80	Per M ³
		Purnea	4889.90	Per M ³
		Gaya	4463.60	Per M ³
		Saran	4488.80	Per M ³
5.4.8	Brick work in designation 100 A Brick with cement motar (1 : 6) in superstructure with approved quality coarse sand of requisite F.M. washed and screened with raking out joints to 12 mm depth, curing, scaffolding and its removal wherever required including royalty and all taxes etc. complete job as per specification and direction of E / I.			
		Patna Urban	5080.60	Per M ³
		Patna	4509.90	Per M ³
		Muzaffarpur	4548.10	Per M ³
		Darbhanga	4548.10	Per M ³
		Bhagalpur	4538.40	Per M ³
		Munger	4538.40	Per M ³
		Saharsa	4626.40	Per M ³
		Purnea	4782.50	Per M ³
		Gaya	4361.80	Per M ³
		Saran	4383.20	Per M ³
5.4.9	Providing rough dressed random rubble stone masonry in cement mortar (1:3) in foundation with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints, curing, scaffolding and its removal wherever required including royalty and all taxes etc. complete job as per specification and direction of E/I.			
		Patna Urban	#VALUE!	Per M ³
		Patna	#VALUE!	Per M ³
		Muzaffarpur	#VALUE!	Per M ³
		Darbhanga	#VALUE!	Per M ³
		Bhagalpur	#VALUE!	Per M ³
		Munger	#VALUE!	Per M ³
		Saharsa	#VALUE!	Per M ³
		Purnea	#VALUE!	Per M ³
		Gaya	#VALUE!	Per M ³
		Saran	#VALUE!	Per M ³
5.4.10	Providing rough dressed random rubble stone masonry in cement mortar (1:4) in foundation with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints, curing, scaffolding and its removal wherever required including royalty and all taxes etc. complete job as per specification and direction of E / I.			
		Patna Urban	#VALUE!	Per M ³
		Patna	#VALUE!	Per M ³
		Muzaffarpur	#VALUE!	Per M ³
		Darbhanga	#VALUE!	Per M ³
		Bhagalpur	#VALUE!	Per M ³
		Munger	#VALUE!	Per M ³
		Saharsa	#VALUE!	Per M ³
		Purnea	#VALUE!	Per M ³
		Gaya	#VALUE!	Per M ³
		Saran	#VALUE!	Per M ³

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5.4.11	Providing rough dressed random rubble stone masonry in cement mortar (1:5) in foundation with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints, curing, scaffolding and its removal wherever required including royalty and all taxes etc. complete job as per specification and direction of E / I.		
	Patna Urban	#VALUE!	Per M ³
	Patna	#VALUE!	Per M ³
	Muzzaffarpur	#VALUE!	Per M ³
	Darbhanga	#VALUE!	Per M ³
	Bhagalpur	#VALUE!	Per M ³
	Munger	#VALUE!	Per M ³
	Saharsa	#VALUE!	Per M ³
	Purnea	#VALUE!	Per M ³
	Gaya	#VALUE!	Per M ³
	Saran	#VALUE!	Per M ³
5.4.12	Providing rough dressed random rubble/coarse stone masonry in cement mortar (1:3) in superstructure with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints, curing, scaffolding and its removal wherever required including royalty and all taxes etc. complete job as per specification and direction of E / I.		
	Patna Urban	#VALUE!	Per M ³
	Patna	#VALUE!	Per M ³
	Muzzaffarpur	#VALUE!	Per M ³
	Darbhanga	#VALUE!	Per M ³
	Bhagalpur	#VALUE!	Per M ³
	Munger	#VALUE!	Per M ³
	Saharsa	#VALUE!	Per M ³
	Purnea	#VALUE!	Per M ³
	Gaya	#VALUE!	Per M ³
	Saran	#VALUE!	Per M ³
5.4.13	Providing rough dressed random rubble/coarse stone masonry in cement mortar (1 : 4) in superstructure with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints, curing, scaffolding and its removal, wherever required ,including royalty and all taxes etc. all complete job as per specification and direction of E / I.		
	Patna Urban	#VALUE!	Per M ³
	Patna	#VALUE!	Per M ³
	Muzzaffarpur	#VALUE!	Per M ³
	Darbhanga	#VALUE!	Per M ³
	Bhagalpur	#VALUE!	Per M ³
	Munger	#VALUE!	Per M ³
	Saharsa	#VALUE!	Per M ³
	Purnea	#VALUE!	Per M ³
	Gaya	#VALUE!	Per M ³
	Saran	#VALUE!	Per M ³
5.4.14	Providing rough dressed random rubble/course stone masonry in cement mortar (1:5) in superstructure with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints, curing, scaffolding and its removal wherever required ,including royalty and all taxes etc. all complete job as per specification and direction of E / I.		
	Patna Urban	#VALUE!	Per M ³
	Patna	#VALUE!	Per M ³
	Muzzaffarpur	#VALUE!	Per M ³


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	Darbhanga	#VALUE!	Per M ³
	Bhagalpur	#VALUE!	Per M ³
	Munger	#VALUE!	Per M ³
	Saharsa	#VALUE!	Per M ³
	Purnea	#VALUE!	Per M ³
	Gaya	#VALUE!	Per M ³
	Saran	#VALUE!	Per M ³



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5.4 MASONRY WORK

Sl.No.	Description	Quantity	Unit	Rate	Amount	Ref.
5.4.1	Brick work in designation 100 A Brick with cement mortar (1 : 3) in foundation with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints to 12 mm depth, curing, scaffolding and its removal wherever required including royalty and all taxes etc. complete job as per specification and direction of E / I.					
	Unit :-Per Cum					
	Taking Out put =2.832 Cum					
	Materials					
	Bricks	1150	nos	7222.00	8305.30	M-11
	Sand	0.84	cum	145.20	121.97	M-004
	Cement	0.28	cum	9118.00	2553.04	M-1
	Labour					
	Head mason	0.125	nos	330.00	41.25	
	Mason Gr II	2.5	nos	295.00	737.50	
	Unskilled mazdoor	5	nos	242.00	1210.00	
	Bhisti	1	nos	243.00	243.00	
					13212.06	
	Add Overhead charge & C.P@15%				1981.81	
					15193.87	
	Add 1% Cess				151.94	
					15345.81	5418.72
		Say Rs		5418.70	Per M ³	
5.4.2	Brick work in designation 100 A Brick with cement mortar (1 : 4) in foundation with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints to 12 mm depth, curing, scaffolding and its removal wherever required including royalty and all taxes etc. complete job as per specification and direction of E / I.					
	Unit :-Per Cum					
	Taking Out put=2.832 Cum					
	Materials					
	Bricks	1150	nos	7222.00	8305.30	
	Sand	0.92	cum	145.20	133.58	
	Cement	0.23	cum	9118.00	2097.14	
	Labour					
	Head mason	0.125	nos	330.00	41.25	
	Mason Gr II	2.5	nos	295.00	737.50	
	Unskilled mazdoor	5	nos	242.00	1210.00	
	Bhisti	1	nos	243.00	243.00	
					12767.77	
	Add Overhead charge & C.P@15%				1915.17	
					14682.94	
	Add 1% Cess				146.83	
					14829.77	5236.50
		Say Rs		5236.50	Per M ³	

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5.4.3	Brick work in designation 100 A Brick with cement mortar (1 : 5) in foundation with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints to 12 mm depth, curing, scaffolding and its removal wherever required including royalty and all taxes etc. complete job as per specification and direction of E / I.					
		Unit :-Per Cum				
		Taking Out put= 2.832 Cum				
	Materials					
	Bricks	1150	nos	7222.00	8305.30	
	Sand	0.95	cum	145.20	137.94	
	Cement	0.19	cum	9118.00	1732.42	
	Labour					
	Head mason	0.125	nos	330.00	41.25	
	Mason Gr II	2.5	nos	295.00	737.50	
	Unskilled mazdoor	5	nos	242.00	1210.00	
	Bhisti	1	nos	243.00	243.00	
					12407.41	
	Add Overhead charge & C.P@15%				1861.11	
					14268.52	
	Add 1% Cess				142.69	
					14411.21	5088.70
		Say Rs		5088.70	Per M ³	
5.4.4	Brick work in designation 100 A Brick with cement mortar (1 : 6) in foundation with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints to 12 mm depth, curing, scaffolding and its removal wherever required including royalty and all taxes etc. complete job as per specification and direction of E / I.					
		Unit :-Per Cum				
		Taking Out put =2.832 Cum				
	Materials					
	Bricks	1150	nos	7222.00	8305.30	
	Sand	0.968	cum	145.20	140.55	
	Cement	0.161	cum	9118.00	1468.00	
	Labour					
	Head mason	0.125	nos	330.00	41.25	
	Mason Gr II	2.5	nos	295.00	737.50	
	Unskilled mazdoor	5	nos	242.00	1210.00	
	Bhisti	1	nos	243.00	243.00	
					12145.60	
	Add Overhead charge & C.P@15%				1821.84	
					13967.44	
	Add 1% Cess				139.67	
					14107.12	4981.33
		Say Rs		4981.30	Per M ³	
5.4.5	Brick work in designation 100 A Brick with cement mortar (1 : 3) in superstructure with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints to 12 mm depth, curing, scaffolding and its removal wherever required including royalty and all taxes etc. all complete job as per specification and direction of E / I.					

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	Unit :-Per Cum					
	Taking Out put =2.832 Cum					
	Materials					
	Bricks	1150	nos	7222.00	8305.30	
	Sand	0.84	cum	145.20	121.97	
	Cemcnt	0.28	cum	9118.00	2553.04	
	Labour					
	Head mason	0.125	nos	330.00	41.25	
	Mason Gr II	2.5	nos	295.00	737.50	
	Unskilled mazdoor	6	nos	242.00	1452.00	
	Bhisti	1	nos	243.00	243.00	
					13454.06	
	Add Overhead charge & C.P@15%				2018.11	
					15472.17	
	Add 1% Cess				154.72	
					15626.89	5517.97
	Say Rs			5518.00	Per M ³	
5.4.6	Brick work in designation 100 A Brick with cement mortar (1 : 4) in superstructure with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints to 12 mm depth, curing, scaffolding and its removal wherever required including royaly and all taxes etc. complete job as per specification and direction of E / I.					
	Unit :-Per Cum					
	Taking Out put =2.832 Cum					
	Materials					
	Bricks	1150	nos	7222.00	8305.30	
	Sand	0.92	cum	145.20	133.58	
	Cement	0.23	cum	9118.00	2097.14	
	Labour					
	Head mason	0.125	nos	330.00	41.25	
	Mason Gr II	2.5	nos	295.00	737.50	
	Unskilled mazdoor	6	nos	242.00	1452.00	
	Bhisti	1	nos	243.00	243.00	
					13009.77	
	Add Overhead charge & C.P@15%				1951.47	
					14961.24	
	Add 1% Cess				149.61	
					15110.85	5335.75
	Say Rs			5335.80	Per M ³	
5.4.7	Brick work in designation 100 A Brick with cement mortar (1 : 5) in superstructure with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints to 12 mm depth, curing, scaffolding and its removal wherever required including royaly and all taxes etc. complete job as per specification and direction of E / I.					
	Unit :-Per Cum					
	Taking Out put =2.832 Cum					
	Materials					
	Bricks	1150	nos	7222.00	8305.30	
	Sand	0.95	cum	145.20	137.94	
	Cement	0.19	cum	9118.00	1732.42	
	Labour					

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	Head mason	0.125	nos	330.00	41.25	
	Mason Gr II	2.5	nos	295.00	737.50	
	Unskilled mazdoor	6	nos	242.00	1452.00	
	Bhisti	1	nos	243.00	243.00	
					12649.41	
	Add Overhead charge & C.P@15%				1897.41	
					14546.82	
	Add 1% Cess				145.47	
					14692.29	5187.96
		Say Rs		5188.00	Per M ³	
5.4.8	Brick work in designation 100 A Brick with cement mortar (1 : 6) in superstructure with approved quality of coarse sand of requisite F.M. ,washed and screened with raking out joints to 12 mm depth, curing, scaffolding and its removal wherever required including royalty and all taxes etc. all complete job as per specification and direction of E / I.					
	Unit :-Per Cum					
	Taking Out put =2.832 Cum					
	Materials					
	Bricks	1150	nos	7222.00	8305.30	
	Sand	0.968	cum	145.20	140.55	
	Cement	0.161	cum	9118.00	1468.00	
	Labour					
	Head mason	0.125	nos	330.00	41.25	
	Mason Gr II	2.5	nos	295.00	737.50	
	Unskilled mazdoor	6	nos	242.00	1452.00	
	Bhisti	1	nos	243.00	243.00	
					12387.60	
	Add Overhead charge & C.P@15%				1858.14	
					14245.74	
	Add 1% Cess				142.46	
					14388.20	5080.58
		Say Rs		5080.60	Per M ³	
5.4.9	Providing rough dressed random rubble stone masonry in cement mortar (1:3) in foundation with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints, curing, scaffolding and its removal wherever required including royalty and all taxes etc.complete job as per specification and direction of E / I.					
	Unit :-Per Cum					
	Taking Out put =2.832 Cum					
	Materials					
	Stone boulder	2.832	cum	#VALUE!	#VALUE!	
	Sand	1.050	cum	145.20	152.46	
	Cement	0.350	cum	9118.00	3191.30	
	Labour					
	Head mason	0.125	nos	330.00	41.25	
	Mason Gr II	2	nos	295.00	590.00	
	Unskilled mazdoor	5	nos	242.00	1210.00	
	Bhisti	0.5	nos	243.00	121.50	
					#VALUE!	
	Add Overhead charge & C.P@15%				#VALUE!	
					#VALUE!	
	Add 1% Cess				#VALUE!	

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				#VALUE!	#VALUE!
	Say Rs		#VALUE!	Per M ³	
5.4.10	Providing rough dressed random rubble stone masonry in cement mortar (1:4) in foundation with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints, curing, scaffolding and its removal wherever required including royalty and all taxes etc.complete job as per specification and direction of E / I.				
	Taking Out put =2.832 Cum				
	Materials				
	Stone boulder	2.832	cum	#VALUE!	#VALUE!
	Sand	1.120	cum	145.20	162.62
	Cement	0.280	cum	9118.00	2553.04
	Labour				
	Head mason	0.125	nos	330.00	41.25
	Mason Gr II	2	nos	295.00	590.00
	Unskilled mazdoor	5	nos	242.00	1210.00
	Bhisti	0.5	nos	243.00	121.50
	Add Overhead charge & C.P@15%			#VALUE!	#VALUE!
	Add 1% Cess			#VALUE!	#VALUE!
				#VALUE!	#VALUE!
	Say Rs		#VALUE!	Per M ³	
5.4.11	Providing rough dressed random rubble stone masonry in cement mortar (1:5) in foundation with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints, curing, scaffolding and its removal wherever required including royalty and all taxes etc.complete job as per specification and direction of E / I.				
	Unit :-Per Cum				
	Taking Out put =2.832 Cum				
	Materials				
	Stone boulder	2.832	cum	#VALUE!	#VALUE!
	Sand	1.180	cum	145.20	171.34
	Cement	0.236	cum	9118.00	2151.85
	Labour				
	Head mason	0.125	nos	330.00	41.25
	Mason Gr II	2	nos	295.00	590.00
	Unskilled mazdoor	5	nos	242.00	1210.00
	Bhisti	0.5	nos	243.00	121.50
	Add Overhead charge & C.P@15%			#VALUE!	#VALUE!
	Add 1% Cess			#VALUE!	#VALUE!
				#VALUE!	#VALUE!
	Say Rs		#VALUE!	Per M ³	

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5.4.12	Providing rough dressed random rubble/coarse stone masonry in cement mortar (1:3) in superstructure with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints, curing, scaffolding and its removal wherever required including royalty and all taxes etc.complete job as per specification and direction of E / I.					
	Unit :-Per Cum					
	Taking Out put =2.832 Cum					
	Materials					
	Stone boulder	2.832	cum	#VALUE!	#VALUE!	
	Sand	1.050	cum	145.20	152.46	
	Cement	0.350	cum	9118.00	3191.30	
	Labour					
	Head mason	0.125	nos	330.00	41.25	
	Mason Gr II	2	nos	295.00	590.00	
	Unskilled mazdoor	6.25	nos	242.00	1512.50	
	Bhisti	0.5	nos	243.00	121.50	
	Add Overhead charge & C.P@15%				#VALUE!	
	Add 1% Cess				#VALUE!	
					#VALUE!	#VALUE!
		Say Rs		#VALUE!	Per M ³	
5.4.13	Providing rough dressed random rubble/coarse stone masonry in cement mortar (1:4) in superstructure with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints, curing, scaffolding and its removal wherever required including royalty and all taxes etc.complete job as per specification and direction of E / I.					
	Unit :-Per Cum					
	Taking Out put =2.832 Cum					
	Materials					
	Stone boulder	2.832	cum	#VALUE!	#VALUE!	
	Sand	1.120	cum	145.20	162.62	
	Cement	0.280	cum	9118.00	2553.04	
	Labour					
	Head mason	0.125	nos	330.00	41.25	
	Mason Gr II	2	nos	295.00	590.00	
	Unskilled mazdoor	6.25	nos	242.00	1512.50	
	Bhisti	0.5	nos	243.00	121.50	
	Add Overhead charge & C.P@15%				#VALUE!	
	Add 1% Cess				#VALUE!	
					#VALUE!	#VALUE!
		Say Rs		#VALUE!	Per M ³	

5.4.14	Providing rough dressed random rubble /coarse stone masonry in cement mortar (1:5) in superstructure with approved quality of coarse sand of requisite F.M. washed and screened with raking out joints, curring, scaffolding and its removal wherever required including royalty and all taxes etc.complete job as per specification and direction of E / I.					
	Unit :-Per Cum					
	Taking Out put =2.832 Cum					
	Materials					
	Stone boulder	2.832	cum	#VALUE!	#VALUE!	
	Sand	1.180	cum	145.20	171.34	
	Cement	0.236	cum	9118.00	2151.85	
	Labour					
	Head mason	0.125	nos	330.00	41.25	
	Mason Gr II	2	nos	295.00	590.00	
	Unskilled mazdoor	6.25	nos	242.00	1512.50	
	Bhisti	0.5	nos	243.00	121.50	
					#VALUE!	
	Add Overhead charge & C.P@15%				#VALUE!	
					#VALUE!	
	Add 1% Cess				#VALUE!	
					#VALUE!	#VALUE!
		Say Rs		#VALUE!	Per M ³	

5.5.12	Providing cement flush pointing (1:3) with approved quality sand of requisite F.M . Washed and screened and stander water proofing compound including curing, scaffolding wherever required and their removal, royalty and all taxes etc. complete job as per specification and direction of E / I.		
		Patna Urban	98.90 Per M ²
		Patna	98.90 Per M ²
		Muzaffarpur	98.90 Per M ²
		Darbhanga	98.90 Per M ²
		Bhagalpur	98.70 Per M ²
		Munger	98.70 Per M ²
		Saharsa	98.90 Per M ²
		Purnea	98.90 Per M ²
		Gaya	98.10 Per M ²
		Saran	98.70 Per M ²
5.5.13	Providing cement truck pointing (1:3) on Brick work with approved quality sand of requisite F.M . Washed and screened and stander water proofing compound including curing, scaffolding wherever required and their removal, royalty and all taxes etc. complete job as per specification and direction of E / I.		
		Patna Urban	146.00 Per M ²
		Patna	146.00 Per M ²
		Muzaffarpur	146.00 Per M ²
		Darbhanga	146.00 Per M ²
		Bhagalpur	145.60 Per M ²
		Munger	145.60 Per M ²
		Saharsa	146.00 Per M ²
		Purnea	146.00 Per M ²
		Gaya	144.70 Per M ²
		Saran	145.60 Per M ²
5.5.14	Providing cement truck pointing (1:3) on stone masonry with approved quality sand of requisite F.M , washed and screened and stander water proofing compound including curing, scaffolding wherever required and their removal, royalty and all taxes etc. complete job as per specification and direction of E / I.		
		Patna Urban	190.80 Per M ²
		Patna	190.80 Per M ²
		Muzaffarpur	190.80 Per M ²
		Darbhanga	190.80 Per M ²
		Bhagalpur	190.20 Per M ²
		Munger	190.20 Per M ²
		Saharsa	190.80 Per M ²
		Purnea	190.80 Per M ²
		Gaya	188.90 Per M ²
		Saran	190.20 Per M ²

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	Patna	267.30	Per M ²
	Muzaffarpur	267.30	Per M ²
	Darbhanga	267.30	Per M ²
	Bhagalpur	265.70	Per M ²
	Munger	265.70	Per M ²
	Saharsa	267.30	Per M ²
	Purnea	267.30	Per M ²
	Gaya	262.30	Per M ²
	Saran	265.70	Per M ²
5.5.9	Providing 25 mm thick water proof cement plaster (1:4) with approved quality sand of requisite F.M . Washed and screened and stander water proofing compound including curing, scaffolding wherever required and their removal, royalty and all taxes etc. complete job as per specification and direction of E / I.		
	Patna Urban	248.30	Per M ²
	Patna	248.30	Per M ²
	Muzaffarpur	248.30	Per M ²
	Darbhanga	248.30	Per M ²
	Bhagalpur	247.10	Per M ²
	Munger	247.10	Per M ²
	Saharsa	248.30	Per M ²
	Purnea	248.30	Per M ²
	Gaya	244.30	Per M ²
	Saran	247.10	Per M ²
5.5.10	Providing 1.5 mm thick cement punning including curing, , royalty and all taxes etc. complete job as per specification and direction of E / I.		
	Patna Urban	44.50	Per M ²
	Patna	44.50	Per M ²
	Muzaffarpur	44.50	Per M ²
	Darbhanga	44.50	Per M ²
	Bhagalpur	44.20	Per M ²
	Munger	44.20	Per M ²
	Saharsa	44.50	Per M ²
	Purnea	44.50	Per M ²
	Gaya	43.70	Per M ²
	Saran	44.20	Per M ²
5.5.11	Providing cement ruled pointing (1:3) with approved quality sand of requisite F.M, washed and screened and stander water proofing compound including curing, scaffolding wherever required and their removal, royalty and all taxes etc. complete job as per specification and direction of E / I.		
	Patna Urban	132.50	Per M ²
	Patna	132.50	Per M ²
	Muzaffarpur	132.50	Per M ²
	Darbhanga	132.50	Per M ²
	Bhagalpur	132.20	Per M ²
	Munger	132.20	Per M ²
	Saharsa	132.50	Per M ²
	Purnea	132.50	Per M ²
	Gaya	131.70	Per M ²
	Saran	132.20	Per M ²

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		Bhagalpur	245.80	Per M ²
		Munger	245.80	Per M ²
		Saharsa	247.30	Per M ²
		Purnea	247.30	Per M ²
		Gaya	242.30	Per M ²
		Saran	245.80	Per M ²
5.5.5	Providing 25 mm thick cement plaster (1:4) with approved quality sand of requisite F.M . Washed and screened including curing, scaffolding wherever and its removal, royalty and all taxes etc. complete job as per specification and direction of E / I.			
		Patna Urban	228.40	Per M ²
		Patna	228.40	Per M ²
		Muzaffarpur	228.40	Per M ²
		Darbhanga	228.40	Per M ²
		Bhagalpur	227.10	Per M ²
		Munger	227.10	Per M ²
		Saharsa	228.40	Per M ²
		Purnea	228.40	Per M ²
		Gaya	224.40	Per M ²
		Saran	227.10	Per M ²
5.5.6	Providing 25 mm thick cement plaster (1:5) with approved quality sand of requisite F.M,washed and screened including curing, scaffolding wherever and its removal, royalty and all taxes etc. complete job as per specification and direction of E / I.			
		Patna Urban	213.40	Per M ²
		Patna	213.40	Per M ²
		Muzaffarpur	213.40	Per M ²
		Darbhanga	213.40	Per M ²
		Bhagalpur	212.40	Per M ²
		Munger	212.40	Per M ²
		Saharsa	213.40	Per M ²
		Purnea	213.40	Per M ²
		Gaya	210.10	Per M ²
		Saran	212.40	Per M ²
5.5.7	Providing 12 mm thick water proof cement plaster (1:3) with approved quality sand of requisite F.M . Washed and screened and stander water proofing compound including curing, scaffolding wherever required and their removal, royalty and all taxes etc. complete job as per specification and direction of E / I.			
		Patna Urban	158.60	Per M ²
		Patna	158.60	Per M ²
		Muzaffarpur	158.60	Per M ²
		Darbhanga	158.60	Per M ²
		Bhagalpur	157.90	Per M ²
		Munger	157.90	Per M ²
		Saharsa	158.60	Per M ²
		Purnea	158.60	Per M ²
		Gaya	156.10	Per M ²
		Saran	157.90	Per M ²
5.5.8	Providing 25 mm thick water proof cement plaster (1:3) with approved quality sand of requisite F.M . Washed and screened and stander water proofing compound including curing, scaffolding wherever required and their removal, royalty and all taxes etc. complete job as per specification and direction of E / I.			
		Patna Urban	267.30	Per M ²

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5.5. PLASTER WORK

Sr.No.	Item	Rate	Unit
5.5.1	Providing 12 mm thick cement plaster (1: 3) with approved quality sand of requisite F.M, washed and screened including curing, scaffolding wherever required, and its removal, royalty and all taxes etc. all complete job as per specification and direction of E / I.		
	Patna Urban	148.70	Per M ²
	Patna	148.70	Per M ²
	Muzaffarpur	148.70	Per M ²
	Darbhanga	148.70	Per M ²
	Bhagalpur	147.90	Per M ²
	Munger	147.90	Per M ²
	Saharsa	148.70	Per M ²
	Purnea	148.70	Per M ²
	Gaya	146.10	Per M ²
	Saran	147.90	Per M ²
5.5.2	Providing 12 mm thick cement plaster (1: 4) with approved quality sand of requisite F.M . Washed and screened including curing, scaffolding wherever required and its removal, royalty and all taxes etc. complete job as per specification and direction of E / I.		
	Patna Urban	138.50	Per M ²
	Patna	138.50	Per M ²
	Muzaffarpur	138.50	Per M ²
	Darbhanga	138.50	Per M ²
	Bhagalpur	137.90	Per M ²
	Munger	137.90	Per M ²
	Saharsa	138.50	Per M ²
	Purnea	138.50	Per M ²
	Gaya	136.50	Per M ²
	Saran	137.90	Per M ²
5.5.3	Providing 12 mm thick cement plaster (1:5) with approved quality sand of requisite F.M,washed and screened including curing, scaffolding wherever required and its removal, royalty and all taxes etc. complete job as per specification and direction of E / I.		
	Patna Urban	131.80	Per M ²
	Patna	131.80	Per M ²
	Muzaffarpur	131.80	Per M ²
	Darbhanga	131.80	Per M ²
	Bhagalpur	131.30	Per M ²
	Munger	131.30	Per M ²
	Saharsa	131.80	Per M ²
	Purnea	131.80	Per M ²
	Gaya	130.10	Per M ²
	Saran	131.30	Per M ²
5.5.4	Providing 25 mm thick cement plaster (1:3) with approved quality sand of requisite F.M . Washed and screened including curing, scaffolding wherever required and its removal, royalty and all taxes etc. complete job as per specification and direction of E / I.		
	Patna Urban	247.30	Per M ²
	Patna	247.30	Per M ²
	Muzaffarpur	247.30	Per M ²
	Darbhanga	247.30	Per M ²


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5.5. PLASTER WORK

Sl.No.	Description	Quantity	Unit	Rate	Amount	
5.5.1	Providing 12 mm thick cement plaster (1:3) with approved quality of sand of requisite F.M, washed and screened including curing, scaffolding wherever required and its removal, royalty and all taxes etc. complete job as per specification and direction of E / I.					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					
	Materials					
	Cement	0.043	cum	9118.00	392.07	
	Sand	0.129	cum	145.20	18.73	
	Labour					
	Mason Gr II	1	nos	295.00	295.00	
	Unskilled mazdoor	1.5	nos	242.00	363.00	
	Bhisti	0.5	nos	243.00	121.50	
					1190.30	
	Add Overhead charge & C.P@15%				178.55	
					1368.85	
	Add 1% Cess				13.69	
					1382.54	148.66
		Say Rs		148.70	Per M ²	
5.5.2	Providing 12 mm thick cement plaster (1: 4) with approved quality sand of requisite F.M . washed and screened including curing, scaffolding wherever required and its removal, royalty and all taxes etc. complete job as per specification and direction of E / I.					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					
	Materials					
	Cement	0.034	cum	9118.00	310.01	
	Sand	0.136	cum	145.20	19.75	
	Labour					
	Mason Gr II	1	nos	295.00	295.00	
	Unskilled mazdoor	1.5	nos	242.00	363.00	
	Bhisti	0.5	nos	243.00	121.50	
					1109.26	
	Add Overhead charge & C.P@15%				166.39	
					1275.65	
	Add 1% Cess				12.76	
					1288.40	138.54
		Say Rs		138.50	Per M ²	

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5.5.3	Providing 12 mm thick cement plaster (1 : 5) with approved quality sand of requisite F.M . Washed and screened including curing, scaffolding wherever required and its removal, royalty and all taxes etc. complete job as per specification and direction of E / I.					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					
	Materials					
	Cement	0.028	cum	9118.00	255.30	
	Sand	0.140	cum	145.20	20.33	
	Labour					
	Mason Gr II	1	nos	295.00	295.00	
	Unskilled mazdoor	1.5	nos	242.00	363.00	
	Bhisti	0.5	nos	243.00	121.50	
					1055.13	
	Add Overhead charge & C.P@15%				158.27	
					1213.40	
	Add 1% Cess				12.13	
					1225.54	131.78
		Say Rs		131.80	Per M ²	
5.5.4	Providing 25 mm thick cement plaster (1 : 3) with approved quality sand of requisite F.M . Washed and screened including curing, scaffolding wherever required and its removal, royalty and all taxes etc. complete job as per specification and direction of E / I.					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					
	Materials					
	Cement	0.085	cum	9118.00	775.03	
	Sand	0.250	cum	145.20	36.30	
	Labour					
	Mason Gr II	1.5	nos	295.00	442.50	
	Unskilled mazdoor	2.5	nos	242.00	605.00	
	Bhisti	0.5	nos	243.00	121.50	
					1980.33	
	Add Overhead charge & C.P@15%				297.05	
					2277.38	
	Add 1% Cess				22.77	
					2300.15	247.33
		Say Rs		247.30	Per M ²	
5.5.5	Providing 25 mm thick cement plaster (1 : 4) with approved quality sand of requisite F.M . Washed and screened including curing, scaffolding wherever and its removal, royalty and all taxes etc.					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					
	Materials					
	Cement	0.068	cum	9118.00	620.02	
	Sand	0.272	cum	145.20	39.49	
	Labour					

	Mason Gr II	1.5	nos	295.00	442.50	
	Unskilled mazdoor	2.5	nos	242.00	605.00	
	Bhisti	0.5	nos	243.00	121.50	
					1828.52	
	Add Overhead charge & C.P@15%				274.28	
					2102.80	
	Add 1% Cess				21.03	
					2123.82	228.37
	Say Rs			228.40	Per M ²	
5.56	Providing 25 mm thick cement plaster (1: 5) with approved quality sand of requisite F.M . Washed and screened including curing, scaffolding wherever and its removal, royalty and all taxes etc. complete job as per specification and direction of E / I.					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					
	Materials					
	Cement	0.056	cum	9118.00	510.61	
	Sand	0.200	cum	145.20	29.04	
	Labour					
	Mason Gr II	1.5	nos	295.00	442.50	
	Unskilled mazdoor	2.5	nos	242.00	605.00	
	Bhisti	0.5	nos	243.00	121.50	
					1708.65	
	Add Overhead charge & C.P@15%				256.30	
					1964.95	
	Add 1% Cess				19.65	
					1984.59	213.40
	Say Rs			213.40	Per M ²	
5.57	Providing 12 mm thick water proof cement plaster (1:3) with approved quality sand of requisite F.M., washed and screened and stander water proofing compound including curing, scaffolding wherever required and their removal, royalty and all taxes etc. complete job as per specification and direction of E / I.					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					
	Materials					
	Cement	0.043	cum	9118.00	392.07	
	Sand	0.129	cum	145.20	18.73	
	Cost of water proofing compound (Cico)	2.4	Kg	33.30	79.92	
	Labour					
	Mason Gr II	1	nos	295.00	295	
	Unskilled mazdoor	1.5	nos	242.00	363	
	Bhisti	0.5	nos	243.00	121.5	
					1270.22	
	Add Overhead charge & C.P@15%				190.53	
					1460.76	
	Add 1% Cess				14.61	
					1475.37	158.64
	Say Rs			158.60	Per M ²	

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5.5.8	Providing 25 mm thick water proof cement plaster (1:3) with approved quality sand of requisite F.M . Washed and screened and stander water proofing compound including curing, scaffolding wherever required and their removal, royalty and all taxes etc. complete job as per specification and direction of E / I.					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					
	Materials					
	Cement	0.085	cum	9118.00	775.03	
	Sand	0.250	cum	145.20	36.30	
	Cost of water proofing compound (Cico)	4.8	Kg	33.30	159.84	
	Labour					
	Mason Gr II	1.5	nos	295.00	442.50	
	Unskilled mazdoor	2.5	nos	242.00	605.00	
	Bhisti	0.5	nos	243.00	121.50	
					2140.17	
	Add Overhead charge & C.P@15%				321.03	
					2461.20	
	Add 1% Cess				24.61	
					2485.81	267.29
		Say Rs		267.30	Per M ²	
5.5.9	Providing 25 mm thick water proof cement plaster (1:4) with approved quality sand of requisite F.M . Washed and screened and stander water proofing compound including curing, scaffolding wherever required and their removal, royalty and all taxes etc. complete job as per specification and direction of E / I.					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					
	Materials					
	Cement	0.068	cum	9118.00	620.02	
	Sand	0.272	cum	145.20	39.49	
	Cost of water proofing compound (Cico)	4.8	Kg	33.30	159.84	
	Labour					
	Mason Gr II	1.5	nos	295.00	442.50	
	Unskilled mazdoor	2.5	nos	242.00	605.00	
	Bhisti	0.5	nos	243.00	121.50	
					1988.36	
	Add Overhead charge & C.P@15%				298.25	
					2286.61	
	Add 1% Cess				22.87	
					2309.48	248.33
		Say Rs		248.30	Per M ²	
5.5.10	Providing 1.5 mm thick cement punning including curing, , royalty and all taxes etc. complete job as per specification and direction of E / I.					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					

	Materials					
	Cement	0.014	cum	9118.00	127.65	
	Labour					
	Head Mason	0.0625	nos	330.00	20.63	
	Mason Gr II	0.5	nos	295.00	147.50	
	Unskilled mazdoor	0.25	nos	242.00	60.50	
					356.28	
	Add Overhead charge & C.P@15%				53.44	
					409.72	
	Add 1% Cess				4.10	
					413.82	44.50
		Say Rs		44.50	Per M ²	
5.5.11	Providing cement ruled pointing (1:3) with approved quality sand of requisite F.M . Washed and screened and stander water proofing compound including curing, scaffolding wherever required and their removal, royalty and all taxes etc. complete job as per specification and direction of E / I.					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					
	Materials					
	Cement	0.014	cum	9118.00	127.65	
	Sand	0.042	cum	145.20	6.10	
	Labour					
	Mason Gr II	1.5	nos	295.00	442.50	
	Unskilled mazdoor	1.5	nos	242.00	363.00	
	Bhisti	0.5	nos	243.00	121.50	
					1060.75	
	Add Overhead charge & C.P@15%				159.11	
					1219.86	
	Add 1% Cess				12.20	
					1232.06	132.48
		Say Rs		132.50	Per M ²	
5.5.12	Providing cement flush pointing (1:3) with approved quality sand of requisite F.M . Washed and screened and stander water proofing compound including curing, scaffolding wherever required and their removal, royalty and all taxes etc. complete job as per specification and direction of E / I.					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					
	Materials					
	Cement	0.014	cum	9118.00	127.65	
	Sand	0.042	cum	145.20	6.10	
	Labour					
	Mason Gr II	1	nos	295.00	295.00	
	Unskilled mazdoor	1	nos	242.00	242.00	
	Bhisti	0.5	nos	243.00	121.50	
					792.25	
	Add Overhead charge & C.P@15%				118.84	

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	Add 1% Cess				911.09	
					9.11	
					920.20	98.95
		Say Rs		98.90	Per M ²	
5.5.13	Providing cement truck pointing (1:3) on Brick work with approved quality sand of requisite F.M washed and screened and stander water proofing compound including curing, scaffolding wherever required and their removal, royalty and all taxes etc. complete job as per specification and direction of E / I.					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					
	Materials					
	Cement	0.021	cum	9118.00	191.48	
	Sand	0.063	cum	145.20	9.15	
	Labour					
	Head Mason	0.125	nos	330.00	41.25	
	Mason Gr II	1.5	nos	295.00	442.50	
	Unskilled mazdoor	1.5	nos	242.00	363.00	
	Bhisti	0.5	nos	243.00	121.50	
					1168.88	
	Add Overhead charge & C.P@15%				175.33	
					1344.21	
	Add 1% Cess				13.44	
					1357.65	145.98
		Say Rs		146.00	Per M ²	
5.5.14	Providing cement truck pointing (1:3) on stone masonry with approved quality sand of requisite F.M, washed and screened and stander water proofing compound including curing, scaffolding wherever required and their removal, royalty and all taxes etc. complete job as per specification and direction of E / I.					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					
	Materials					
	Cement	0.032	cum	9118.00	291.78	
	Sand	0.096	cum	145.20	13.94	
	Labour					
	Mason Gr II	2.5	nos	295.00	737.50	
	Unskilled mazdoor	1.5	nos	242.00	363.00	
	Bhisti	0.5	nos	243.00	121.50	
					1527.72	
	Add Overhead charge & C.P@15%				229.16	
					1756.87	
	Add 1% Cess				17.57	
					1774.44	190.80
		Say Rs		190.80	Per M ²	

5.6 HUME PIPE LAYING

Sr.No.	Item	Rate	Unit
5.6.1	Labour for laying, fitting and fixing NP ₂ pipe with collars in line level and grade as well providing approved jointing materials and joints properly filled to make them water proof all complete as per specification and direction of E / I.		
5.6.1.1	150 mm dia NP ₂ H.P		
	Patna Urban	147.20	Per M
	Patna	147.20	Per M
	Muzaffarpur	147.20	Per M
	Darbhanga	147.20	Per M
	Bhagalpur	147.00	Per M
	Munger	147.00	Per M
	Saharsa	147.20	Per M
	Purnea	147.20	Per M
	Gaya	146.50	Per M
	Saran	147.00	Per M
5.6.1.2	225 mm dia NP ₂ H.P		
	Patna Urban	226.40	Per M
	Patna	226.40	Per M
	Muzaffarpur	226.40	Per M
	Darbhanga	226.40	Per M
	Bhagalpur	226.10	Per M
	Munger	226.10	Per M
	Saharsa	226.40	Per M
	Purnea	226.40	Per M
	Gaya	225.40	Per M
	Saran	226.10	Per M
5.6.1.3	300 mm dia NP ₂ H.P		
	Patna Urban	267.70	Per M
	Patna	267.70	Per M
	Muzaffarpur	267.70	Per M
	Darbhanga	267.70	Per M
	Bhagalpur	267.30	Per M
	Munger	267.30	Per M
	Saharsa	267.70	Per M
	Purnea	267.70	Per M
	Gaya	266.40	Per M
	Saran	267.30	Per M
5.6.1.4	450 mm dia NP ₂ H.P		
	Patna Urban	417.00	Per M
	Patna	417.00	Per M
	Muzaffarpur	417.00	Per M
	Darbhanga	417.00	Per M
	Bhagalpur	416.40	Per M
	Munger	416.40	Per M
	Saharsa	417.00	Per M
	Purnea	417.00	Per M
	Gaya	415.00	Per M
	Saran	416.40	Per M
5.6.1.5	600 mm dia NP ₂ H.P		
	Patna Urban	516.00	Per M
	Patna	516.00	Per M
	Muzaffarpur	516.00	Per M
	Darbhanga	516.00	Per M

Sr.No.	Item	Rate	Unit
	Bhagalpur	515.20	Per M
	Munger	515.20	Per M
	Saharsa	516.00	Per M
	Purnea	516.00	Per M
	Gaya	513.50	Per M
	Saran	515.20	Per M
5.6.1.6	700 mm or 800 mm dia NP ₂ H.P		
	Patna Urban	565.70	Per M
	Patna	565.70	Per M
	Muzaffarpur	565.70	Per M
	Darbhanga	565.70	Per M
	Bhagalpur	564.70	Per M
	Munger	564.70	Per M
	Saharsa	565.70	Per M
	Purnea	565.70	Per M
	Gaya	562.70	Per M
	Saran	564.70	Per M
5.6.1.7	900 mm dia or 1000 mm dia NP ₂ H.P		
	Patna Urban	682.20	Per M
	Patna	682.20	Per M
	Muzaffarpur	682.20	Per M
	Darbhanga	682.20	Per M
	Bhagalpur	681.20	Per M
	Munger	681.20	Per M
	Saharsa	682.20	Per M
	Purnea	682.20	Per M
	Gaya	679.00	Per M
	Saran	681.20	Per M
5.6.1.8	1200 mm dia NP ₂ H.P		
	Patna Urban	896.80	Per M
	Patna	896.80	Per M
	Muzaffarpur	896.80	Per M
	Darbhanga	896.80	Per M
	Bhagalpur	895.50	Per M
	Munger	895.50	Per M
	Saharsa	896.80	Per M
	Purnea	896.80	Per M
	Gaya	892.70	Per M
	Saran	895.50	Per M
5.6.2	Labour for laying, fitting and fixing NP ₂ pipe with collars in line level and grade as well providing approved jointing materials and joints properly filled to make them water proof all complete as per specification and direction of E / I. (Hume pipe available within a lead of 40 M)		
5.6.2.1	450 mm dia NP ₃ H.P		
	Patna Urban	417.00	Per M
	Patna	417.00	Per M
	Muzaffarpur	417.00	Per M
	Darbhanga	417.00	Per M
	Bhagalpur	416.40	Per M
	Munger	416.40	Per M
	Saharsa	417.00	Per M
	Purnea	417.00	Per M
	Gaya	415.00	Per M
	Saran	416.40	Per M
5.6.2.2	600 mm dia NP ₃ H.P		
	Patna Urban	516.00	Per M
	Patna	516.00	Per M
	Muzaffarpur	516.00	Per M

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Sr.No.	Item	Rate	Unit
	Darbhanga	516.00	Per M
	Bhagalpur	515.20	Per M
	Munger	515.20	Per M
	Saharsa	516.00	Per M
	Purnea	516.00	Per M
	Gaya	513.50	Per M
	Saran	515.20	Per M
5.6.2.3	700 mm or 800 mm dia NP ₃ H.P		
	Patna Urban	715.60	Per M
	Patna	715.60	Per M
	Muzaffarpur	715.60	Per M
	Darbhanga	715.60	Per M
	Bhagalpur	714.70	Per M
	Munger	714.70	Per M
	Saharsa	715.60	Per M
	Purnea	715.60	Per M
	Gaya	712.60	Per M
	Saran	714.70	Per M
5.6.2.4	900 mm dia or 100 mm dia NP ₃ H.P		
	Patna Urban	1032.50	Per M
	Patna	1032.50	Per M
	Muzaffarpur	1032.50	Per M
	Darbhanga	1032.50	Per M
	Bhagalpur	1031.50	Per M
	Munger	1031.50	Per M
	Saharsa	1032.50	Per M
	Purnea	1032.50	Per M
	Gaya	1029.30	Per M
	Saran	1031.50	Per M
5.6.2.5	1200 mm dia NP ₂ H.P		
	Patna Urban	1241.30	Per M
	Patna	1241.30	Per M
	Muzaffarpur	1241.30	Per M
	Darbhanga	1241.30	Per M
	Bhagalpur	1240.00	Per M
	Munger	1240.00	Per M
	Saharsa	1241.30	Per M
	Purnea	1241.30	Per M
	Gaya	1237.10	Per M
	Saran	1240.00	Per M

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5.6 HUME PIPE LAYING

Sl.No.	Description	quantity	Unit	Rate	Amount	Ref.
5.6.1	Labour for laying, fitting and fixing NP ₂ pipe with collars in line level and grade as well providing approved jointing materials and joints properly filled to make them water proof all complete as per specification and direction of E / I.					
5.6.1.1	150 mm dia NP₂ H.P					
	Unit :-Per M					
	Taking Out put =8.0M					
	(Assuming 4 pipes of 2 M length and three collars)					
	Materials					
	Cement	0.011	cum	9118.00	100.30	
	Sand	0.011	cum	145.20	1.60	
	Jute	1.5	Kg	23.00	34.5	
	Labour					
	Head Mason	0.5	nos	330.00	165.00	
	Unskilled mazdoor	2.25	nos	242.00	544.50	
	Fitter Gr I	0.5	nos	336.00	168.00	
	Add Overhead charge & C.P@15%				1013.90	
					152.08	
	Add 1% Cess				1165.98	
					11.66	
					1177.64	147.20
		Say	Rs	147.20	Per M	
5.6.1.2	225 mm dia NP₂ H.P					
	Unit :-Per M					
	Taking Out put =8.0M					
	(Assuming 4 pipes of 2 M length and three collars)					
	Materials					
	Cement	0.014	cum	9118.00	127.65	
	Sand	0.014	cum	145.20	2.03	
	Jute	2	Kg	23.00	46.00	
	Labour					
	Head Mason	0.75	nos	330.00	247.50	
	Unskilled mazdoor	4	nos	242.00	968.00	
	Fitter Gr I	0.5	nos	336.00	168.00	
	Add Overhead charge & C.P@15%				1559.18	
					233.88	
	Add 1% Cess				1793.06	
					17.93	
					1810.99	226.37
		Say	Rs	226.40	Per M	
5.6.1.3	300 mm dia NP₂ H.P					
	Unit :-Per M					
	Taking Out put =10.0M					
	(Assuming 4 pipes of 2.5 mtr length and three collars)					
	Materials					

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Cement	0.023	cum	9118.00	209.71	
Sand	0.023	cum	145.20	3.34	
Jute	2.5	Kg	23.00	57.50	
Labour					
Head Mason	1	nos	330.00	330.00	
Unskilled mazdoor	6	nos	242.00	1452.00	
Fitter Gr I	0.75	nos	336.00	252.00	
				2304.55	
Add Overhead charge & C.P@15%				345.68	
				2650.24	
Add 1% Cess				26.50	
				2676.74	267.67
	Say	Rs	267.70	Per M	
5.6.1.4 450 mm dia NP₂ H.P					
	Unit :-Per M				
	Taking Out put =7.5 M				
	(Assuming 3 pipes of 2.5 mtr length and 2 collars)				
Materials					
Cement	0.028	cum	9118.00	255.30	
Sand	0.028	cum	145.20	4.07	
Jute	3.25	Kg	23.00	74.75	
Labour					
Head Mason	1.25	nos	330.00	412.50	
Unskilled mazdoor	7	nos	242.00	1694.00	
Fitter Gr I	0.75	nos	336.00	252.00	
				2692.62	
Add Overhead charge & C.P@15%				403.89	
				3096.51	
Add 1% Cess				30.97	
				3127.48	417.00
	Say	Rs	417.00	Per M	
5.6.1.5 600 mm dia NP₂ H.P					
	Unit :-Per M				
	Taking Out put =7.5 M				
	(Assuming 3 pipes of 2.5 mtr length and 2 collars)				
Materials					
Cement	0.034	cum	9118.00	310.01	
Sand	0.034	cum	145.20	4.94	
Jute	4	Kg	23.00	92.00	
Labour					
Head Mason	1.5	nos	330.00	495.00	
Unskilled mazdoor	9	nos	242.00	2178.00	
Fitter Gr I	0.75	nos	336.00	252.00	
				3331.95	
Add Overhead charge & C.P@15%				499.79	
				3831.74	
Add 1% Cess				38.32	
				3870.06	516.01
	Say	Rs	516.00	Per M	
5.6.1.6 700 mm or 800 mm dia NP₂ H.P					
	Unit :-Per M				

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	Taking Out put =7.5 M					
	(Assuming 3 pipes of 2.5 mtr length and 2 collars)					
	Materials					
	Cement	0.040	cum	9118.00	364.72	
	Sand	0.040	cum	145.20	5.81	
	Jute	5	Kg	23.00	115.00	
	Labour					
	Head Mason	1.5	nos	330.00	495.00	
	Unskilled mazdoor	10	nos	242.00	2420.00	
	Fitter Gr I	0.75	nos	336.00	252.00	
					3652.53	
	Add Overhead charge & C.P@15%				547.88	
					4200.41	
	Add 1% Cess				42.00	
					4242.41	565.65
		Say	Rs	565.70	Per M	
5.6.1.7	900 mm dia or 1000 mm dia NP2 H.P					
	Unit :-Per M					
	Taking Out put =7.5 M					
	(Assuming 3 pipes of 2.5 mtr length and 2 collars)					
	Materials					
	Cement	0.045	cum	9118.00	410.31	
	Sand	0.045	cum	145.20	6.53	
	Jute	7.5	Kg	23.00	172.50	
	Labour					
	Head Mason	2	nos	330.00	660.00	
	Unskilled mazdoor	12	nos	242.00	2904.00	
	Fitter Gr I	0.75	nos	336.00	252.00	
					4405.34	
	Add Overhead charge & C.P@15%				660.80	
					5066.15	
	Add 1% Cess				50.66	
					5116.81	682.24
		Say	Rs	682.20	Per M	
5.6.1.8	1200 mm dia NP₂ H.P.					
	Unit :-Per M					
	Taking Out put =7.5 M					
	(Assuming 3 pipes of 2.5 mtr length and 2 collars)					
	Materials					
	Cement	0.057	cum	9118.00	519.73	
	Sand	0.057	cum	145.20	8.28	
	Jute	10	Kg	23.00	230.00	
	Labour					
	Head Mason	2.5	nos	330.00	825.00	
	Unskilled mazdoor	16	nos	242.00	3872.00	
	Fitter Gr I	1	nos	336.00	336.00	
					5791.00	
	Add Overhead charge & C.P@15%				868.65	
					6659.65	
	Add 1% Cess				66.60	
					6726.25	896.83

		Say	Rs	896.80	Per M	
5.6.2	Labour for laying, fitting and fixing NP ₃ pipe with collars in line level and grade as well providing approved jointing materials and joints properly filled to make them water proof all complete as per specification and direction of E / I. (Hume pipe available within a lead of 40 mtr)					
5.6.2.1	450 mm dia NP₃ H.P					
	Unit :-Per M					
	Taking Out put =7.5 M					
	(Assuming 3 pipes of 2.5 mtr length and 2 collars)					
	Materials					
	Cement	0.028	cum	9118.00	255.30	
	Sand	0.028	cum	145.20	4.07	
	Jute	3.25	Kg	23.00	74.75	
	Labour					
	Head Mason	1.25	nos	330.00	412.50	
	Unskilled mazdoor	7	nos	242.00	1694.00	
	Fitter Gr I	0.75	nos	336.00	252.00	
					2692.62	
	Add Overhead charge & C.P@15%				403.89	
					3096.51	
	Add 1% Cess				30.97	
					3127.48	417.00
		Say	Rs	417.00	Per M	
5.6.2.2	600 mm dia NP₃ H.P					
	Unit :-Per M					
	Taking Out put =7.5 M					
	(Assuming 3 pipes of 2.5 mtr length and 2 collars)					
	Materials					
	Cement	0.034	cum	9118.00	310.01	
	Sand	0.034	cum	145.20	4.94	
	Jute	4	Kg	23.00	92.00	
	Labour					
	Head Mason	1.5	nos	330.00	495.00	
	Unskilled mazdoor	9	nos	242.00	2178.00	
	Fitter Gr I	0.75	nos	336.00	252.00	
					3331.95	
	Add Overhead charge & C.P@15%				499.79	
					3831.74	
	Add 1% Cess				38.32	
					3870.06	516.01
		Say	Rs	516.00	Per M	
5.6.2.3	700 mm or 800 mm dia NP₃ H.P					
	Unit :-Per M					
	Taking Out put=7.5 M					
	(Assuming 3 pipes of 2.5 mtr length and 2 collars)					
	Materials					
	Cement	0.040	cum	9118.00	364.72	
	Sand	0.040	cum	145.20	5.81	

	Jute	5	Kg	23.00	115.00	
	Labour					
	Head Mason	1.5	nos	330.00	495.00	
	Unskilled mazdoor	14	nos	242.00	3388.00	
	Fitter Gr I	0.75	nos	336.00	252.00	
					4620.53	
	Add Overhead charge & C.P@15%				693.08	
					5313.61	
	Add 1% Cess				53.14	
					5366.74	715.57
		Say	Rs	715.60	Per M	
5.6.2.4	900 mm dia or 1000 mm dia NP ₃ H.P					
	Unit :-Per M					
	Taking Out put=7.5 M					
	(Assuming 3 pipes of 2.5 mtr length and 2 collars)					
	Materials					
	Cement	0.045	cum	9118.00	410.31	
	Sand	0.045	cum	145.20	6.53	
	Jute	7.5	Kg	23.00	172.50	
	Labour					
	Head Mason	2	nos	330.00	660.00	
	Unskilled mazdoor	21	nos	242.00	5082.00	
	Fitter Gr I	1	nos	336.00	336.00	
					6667.34	
	Add Overhead charge & C.P@15%				1000.10	
					7667.45	
	Add 1% Cess				76.67	
					7744.12	1032.55
		Say	Rs	1032.50	Per M	
5.6.2.5	1200 mm dia NP ₂ H.P					
	Unit :-Per M					
	Taking Out put=7.5 M					
	(Assuming 3 pipes of 2.5 mtr length and 2 collars)					
	Materials					
	Cement	0.057	cum	9118.00	519.73	
	Sand	0.057	cum	145.20	8.28	
	Jute	12	Kg	23.00	276.00	
	Labour					
	Head Mason	2.5	nos	330.00	825.00	
	Unskilled mazdoor	25	nos	242.00	6050.00	
	Fitter Gr I	1	nos	336.00	336.00	
					8015.00	
	Add Overhead charge & C.P@15%				1202.25	
					9217.25	
	Add 1% Cess				92.17	
					9309.43	1241.26
		Say	Rs	1241.30	Per M	

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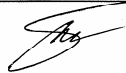
Sr.No.	Item	Rate	Unit
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5.7 PITCHING AND PILING

Sr.No.	Item	Rate	Unit
5.7.1	Labour for making 150 mm to 200 mm dia Sal ballah piles including cutting to size and dressing, making shoes for driving etc.all complete as per specification and direction of E / I.	17.10	Per pile
5.7.2	Providing two coats of coal tar painting over 150 mm to 200 mm dia Sal ballah piles and labour for driving it below ground level upto 5 meter including cost of all tools and plants required for the job all complete as per specification and direction of E / I.	189.10	Per M
5.7.3	Labour for fitting and fixing 100 mm to 150 mm dia sal ballah cross pieces 1350 mm length in position with 16 mm dia bolts, nuts and washers at each joints including the cost of bolts nuts and washers complete job as per specification and direction of E / I.	85.50	Per M
5.7.4	Labour for fitting and fixing 150 mm dia sal ballah in position as back stay with 16 mm dia bolts, nuts and washers at each joints including the cost of bolts nuts and washers complete job as per specification and direction of E / I.	39.20	Per M
5.7.5	Labour for fitting and fixing 100 mm to 150 mm dia sal ballah walling pieces with 16 mm dia bolts, nuts and washers at each joints including the cost of bolts nuts and washers complete job as per specification and direction of E / I.	55.10	Per M
5.7.6	Labour for fitting and fixing 150 mm to 200 mm dia sal ballah piles with two nos 16 mm dia 225 mm long nuts and washers including the cost of bolts nuts and washers complete job as per specification and direction of E / I.	110.10	Per M
5.7.7	Labour for cutting 62 mm to 75 mm dia sal bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E / I.	25.80	Per M
5.7.8	Labour for fitting and fixing split bamboo woven chachari in position with 20 swg G.I. wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire or nails complete job as per specification and direction of E / I.	69.10	Per M ²
5.7.9	Labour for fitting and fixing 62mm to 75 mm dia bamboo runners in position at every vertical pile with 150 mm long nails or 38 swg G.I. wire including cost of G.I. wire or nails complete job as per specification and direction of E / I.	4.90	Per M
5.7.10	Providing two coats of coal tar painting over 150 mm to 200 mm dia Sal ballah piles and labour for driving it below ground level in running water upto complete job as per specification and direction of E / I.	410.40	Per M
5.7.11	Labour for fitting and fixing 75 mm dia sal ballah runners on sal ballah verticals including cost of nails or spikes for fixing the same complete job as per specification and direction of E / I.	20.20	Per M
5.7.12	Labour for fitting and fixing 75 mm but upto 150 mm dia sal ballah runners on sal ballah verticals including cost of nails or spikes for fixing the same complete job as per specification and direction of E / I.	30.30	Per M
5.7.13	Labour for laying fine filter (Sand) or coarse dry graded filter either of jhamakhoa or stone metal or stone chips under brick pitching or boulder pitching in slope and apron including light ramming etc.all complete job as per specification and direction of E / I.	297.80	Per M ³
5.7.13(b)	Labour for laying River bed Material (70 % 40 mm to 20 mm size and 30 % Less than 20 mm and Sand) including light ramming etc.all complete job as per specification and direction of E / I.	210.80	Per M ³
5.7.14	Providing brick flat soling with designation 100A bricks joints filled with coarse sand of approved quality including royalty and all taxes, all complete as per approved design, specifications and direction of E/I		

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Sr.No.	Item	Rate	Unit
	Patna Urban	321.40	Per M ²
	Patna	276.10	Per M ²
	Muzaffarpur	279.10	Per M ²
	Darbhanga	279.10	Per M ²
	Bhagalpur	279.10	Per M ²
	Munger	279.10	Per M ²
	Saharsa	285.30	Per M ²
	Purnea	297.70	Per M ²
	Gaya	266.80	Per M ²
	Saran	266.80	Per M ²
5.7.15	Providing brick on edge soling with designation 100A bricks joints filled with coarse sand of approved quality including royalty and all taxes, all complete as per approved design, specifications and direction of E/I		
	Patna Urban	516.10	Per M ²
	Patna	440.60	Per M ²
	Muzaffarpur	445.60	Per M ²
	Darbhanga	445.60	Per M ²
	Bhagalpur	445.60	Per M ²
	Munger	445.60	Per M ²
	Saharsa	456.00	Per M ²
	Purnea	476.70	Per M ²
	Gaya	425.10	Per M ²
	Saran	425.10	Per M ²
5.7.16	Providing pitching work with designation 100A bricks in panel and in herring bond pattern one brick on edge over a brick flat soling joints filled with local sand free from clay contents including royalty and all taxes, all complete as per approved design, specifications and direction of E/I		
	Patna Urban	837.50	Per M ²
	Patna	716.70	Per M ²
	Muzaffarpur	724.70	Per M ²
	Darbhanga	724.70	Per M ²
	Bhagalpur	724.70	Per M ²
	Munger	724.70	Per M ²
	Saharsa	741.30	Per M ²
	Purnea	774.40	Per M ²
	Gaya	691.90	Per M ²
	Saran	691.90	Per M ²
5.7.17	Providing pitching work with designation 100A bricks in panel two brick on edge over a brick flat soling joints filled with local sand free from clay contents including royalty and all taxes, all complete as per approved design, specifications and direction of E/I		
	Patna Urban	1390.80	Per M ²
	Patna	1194.30	Per M ²
	Muzaffarpur	1207.50	Per M ²
	Darbhanga	1207.50	Per M ²
	Bhagalpur	1207.50	Per M ²
	Munger	1207.50	Per M ²
	Saharsa	1234.40	Per M ²
	Purnea	1288.20	Per M ²
	Gaya	1154.10	Per M ²
	Saran	1154.10	Per M ²



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Sr.No.	Item	Rate	Unit
5.7.18.1	Labour charge for pitching work on apron slope of bank with stone boulder duly packed (Uncreated complete job) materials within 150 m lead with all lifts, all complete as per approved design, specifications and direction of E/I	715.30	Per M ³
5.7.18.2	Labour charge for pitching work on apron slope of bank with stone boulder duly packed (Uncreated complete job) materials within 50 m lead with all lifts, all complete as per approved design, specifications and direction of E/I	318.30	Per M ³
5.7.19	Labour charge for stone boulder (uncreated) laying in launching apron and slope (materials within 150 m lead all lifts), all complete as per approved design, specifications and direction of E/I	1318.40	Per M ³
5.7.20	Labour charge for pitching with jhama bricks closely packed over apron and including preparation of base, making proper slope and grade etc.all complete (materials within 150 m lead with all lifts) as per approved design, specifications and direction of E/I	656.00	Per M ³
5.7.21.1	Labour charge for pitching above water on apron and slope of bank with boulder in crates of specified size (material within 150 mtr lead and all lifts) including boxing and tying the crates with 12 to 14 gauge G.I wire including cost of G.I wire all complete as per approved design, specifications and direction of E/I	868.60	Per M ³
5.7.21.2	Labour charge for pitching above water in apron and slope of bank with boulder in crates of specified size (material within 50 M lead and all lifts) including boxing and tying the crates with 12 to 14 gauge G.I wire including cost of G.I wire all complete as per approved design, specifications and direction of E/I	422.00	Per M ³
5.7.22	Labour charge for pitching under water in apron and slope of bank with boulder in crates of specified size (material within 150 M lead and all lifts) including boxing and tying the crates with 12 to 14 gauge G.I wire including cost of G.I wire all complete as per approved design, specifications and direction of E/I	2227.80	Per M ³
5.7.23	Labour charge for pitching under water in apron and slope with rubble having 600 mm to 300 mm size with all leads and lifts complete as per approved design, specifications and direction of E/I	979.20	Per M ³
5.7.24.1	Labour charge for pitching above water in apron and slope of bank with bricks packed in crates of specified size (material within 150 mtr lead and all lifts) including boxing and tying the crates with 12 to 14 gauge G.I wire including cost of G.I wire all complete as per approved design, specifications and direction of E/I	836.60	Per M ³
5.7.24.2	Labour charge for pitching above water in apron and slope of bank with bricks packed in crates of specified size (material within 50 mtr lead and all lifts) including boxing and tying the crates with 12 to 14 gauge G.I wire including cost of G.I wire all complete as per approved design, specifications and direction of E/I	390.00	Per M ³
5.7.24.3	Extra for each lead of 30 M over the initial lead of 50 M (Boulder or Brick) as per approved design, specifications and direction of E/I	111.70	Per M ³
5.7.25	Labour charge for pitching under water in apron and slope of bank with bricks packed in crates of specified size (material within 150 mtr lead and all lifts) including boxing and tying the crates with 12 to 14 gauge G.I wire including cost of G.I wire all complete as per approved design, specifications and direction of E/I	2277.40	Per M ³
5.7.26	Providing brick block in designation 100 A bricks of size 600 x 600 x 300 mm for pitching in cement mortar (1:3) with approved quality of sand of requisite F.M. over 150 mm dry khoa rammed to make the inter spaces closer, keeping the thickness intact including royalty and all taxes complete job as per approved design, specifications and direction of E/I		
	Patna Urban	2338.00	Per M ²

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Sr.No.	Item	Rate	Unit
	Patna	2083.70	Per M ²
	Muzaffarpur	2102.20	Per M ²
	Darbhanga	2102.20	Per M ²
	Bhagalpur	2097.10	Per M ²
	Munger	2097.10	Per M ²
	Saharsa	2137.30	Per M ²
	Purnea	2206.70	Per M ²
	Gaya	2016.50	Per M ²
	Saran	2027.90	Per M ²
5.7.27	Providing brick block in designation 100 A bricks of size 600 x 600 x 300 mm duly pointed in cement mortar (1:3) with coarse sand of approved quality for staggered pitching over 150 mm dry khoa filter rammed to make the inter spaces closer, keeping the thickness intact. The inter spaces of blocks to be filled with coarse sand of approved quality including royalty and all taxes, complete job as per approved design, specifications and direction of E/I		
	Patna Urban	2419.60	Per M ²
	Patna	2227.80	Per M ²
	Muzaffarpur	2216.10	Per M ²
	Darbhanga	2232.70	Per M ²
	Bhagalpur	2227.60	Per M ²
	Munger	2227.60	Per M ²
	Saharsa	2256.60	Per M ²
	Purnea	2304.10	Per M ²
	Gaya	2152.40	Per M ²
	Saran	2163.70	Per M ²
5.7.28	Providing brick block in designation 100 A bricks of size 600 x 600 x 200 mm duly pointed in cement mortar (1:4) with coarse sand of approved quality for staggered pitching over 100 mm dry khoa filter rammed to make the inter spaces closer, keeping the thickness intact. The inter spaces of blocks to be filled with coarse sand of approved quality including royalty and all taxes, complete job as per approved design, specifications and direction of E/I		
	Patna Urban	1558.80	Per M ²
	Patna	1389.30	Per M ²
	Muzaffarpur	1401.70	Per M ²
	Darbhanga	1401.70	Per M ²
	Bhagalpur	1398.60	Per M ²
	Munger	1398.60	Per M ²
	Saharsa	1425.00	Per M ²
	Purnea	1471.30	Per M ²
	Gaya	1345.90	Per M ²
	Saran	1352.50	Per M ²
5.7.29.1	Supplying fitting and packing jhawa bush wood Kans grass or local wood brush in bundle of 600 mm dia tied with coir string as per specification including loading, unloading, stacking and carriage upto 1 K.M. lead etc.all complete job as per approved design, specifications and direction of E/I	109.30	Per M ³
5.7.29.2	Extra for carriage of jhankhi for subsequent K.M. beyond initial 1st K.M.by bullock cart.	11.50	Per K.M/ M ³
5.7.30	Supplying palm leaves and fixing in position all complete job as per approved design, specifications and direction of E/I	299.40	Per % nos

Sr.No.	Item	Rate	Unit
5.7.31	Labour charge for making crates including cutting Taranga wire roll of suitable size from G.I. wire in 8 nos.including cutting the wire and tying the joints with binding wire and making square mesh of 100 mm to 150 mm double knotted with 6 to 10 S.W.G. wire as per approved design, specifications and direction of E/I	27.40	Per M ²
5.7.32.A	(a).Labour charge for making crates box of size 3m x 1.5m x 0.6m including cutting of G.I wire or B.A wire, weaving of wire to make it Taranga wire having 150 mm square mesh with double knotte with 8 & 10 S.W.G. wire as per approved design, specifications and direction of E/I	152.90	Each
5.7.32.B	(a)Labour charge for making crates box size 3m x 1.5m x 0.6m including cutting of G.I wire or B.A.wire, weaving of wire to make it Taranga wire having 100 mm square mesh with double knotte with 8 &10 S.W.G. wire as per approved design, specifications and direction of E/I	262.00	Each
5.7.32.C	(a).Labour charge for making crates box of size 3m x 1.5m x 0.75m including cutting of G.I wire or B.A wire, weaving of wire to make it Taranga wire having 150 mm square mesh with double knotte with 8 & 10 S.W.G. wire as per approved design, specifications and direction of E/I	168.10	Each
5.7.32.D	(a)Labour charge for making crates box size 3m x 1.5m x 0.75m including cutting of G.I wire or B.A.wire, weaving of wire to make it Taranga wire having 100 mm square mesh with double knotte with 8 &10 S.W.G. wire as per approved design, specifications and direction of E/I	286.90	Each
5.7.33	(a)Labour charge for fitting and fixing empty coal tar drum sheets at piles in position with G.I. nails including cutting the coal tar drum and making it plain as per approved design, specifications and direction of E/I	#VALUE!	Per M ²
5.7.34	Supplying G.I wire crates of size 3 M x 1.5 M x 0.75 M and 100 mm square mesh made out of G.I wire 8 S.W.G. double knotte at each joints in box type etc. all complete as per approved design, specifications and direction of E/I	2646.80	Each
5.7.35.1	Supplying wire mesh crates of size 3 M x 1.5 M x 0.75 M and 100 mm square mesh made out of G.I wire 10 S.W.G. double knotte at each joints in box type etc. all complete as per approved design, specifications and direction of E/I	2296.00	Each
5.7.35.2	Supplying wire mesh crates of size 3 M x 1.5 M x 0.60 M and 100 mm square mesh made out of G.I wire 10 S.W.G. double knotte at each joints in box type etc. all complete as per approved design, specifications and direction of E/I	2075.00	Each
5.7.36.1	Supplying wire mesh crates of size 3M x 1.5 M x 0.75 M and 150 mm square mesh made out of G.I wire 10 S.W.G. double knotte at each joints in box type etc. all complete as per approved design, specifications and direction of E/I	1570.70	Each
5.7.36.2	Supplying wire mesh crates of size 3 M x 1.5 M x 0.60 M and 150 mm square mesh made out of G.I wire 10 S.W.G. double knotte at each joints in box type etc. all complete as per approved design, specifications and direction of E/I	1434.50	Each
5.7.37.1	Supplying wire mesh crates of size 3M x 1.5 M x 0.75 M and 100 mm square mesh made out of B.A.wire 10 S.W.G. double knotte at each joints in box type etc. all complete as per approved design, specifications and direction of E/I	2186.10	Each
5.7.37.2	Supplying wire mesh crates of size 3M x 1.5 M x 0.60 M and 100 mm square mesh made out of Black annealed wire 10 S.W.G. double knotte at each joints in box type etc. all complete as per approved design, specifications and direction of E/I	1975.90	Each

Sr.No.	Item	Rate	Unit
5.7.38.1	Supplying wire mesh crates of size 3 M x 1.5 M x 0.75 M and 150 mm square mesh made out of B.A.wire 10 S.W.G. double knotte at each joints in box type etc. all complete as per approved design, specifications and direction of E/I	1494.00	Each
5.7.38.2	Supplying wire mesh crates of size 3 M x 1.5 M x 0.60 M and 150 mm square mesh made out of Black annealed wire 10 S.W.G. double knotte at each joints in box type etc. all complete as per approved design, specifications and direction of E/I	1364.40	Each
5.7.39.1	Carriage of boulder and metals by boat including, loading, unloading and stacking with lead of 1 K.M.all complete as per approved design, specifications and direction of E/I	843.50	Per M ³
5.7.39.2	Extra for carriage of boulder and metals by boat including, loading, unloading and stacking beyond 1 K.M. but upto 4 K.M.all complete as per approved design, specifications and direction of E/I	40.50	Per K.M /M ³
5.7.39.3	Carriage of Filled E.C Bags by boat including loading, unloading and stacking with lead of 1/2 K.M.all complete as per approved design, specifications and direction of E/I	1124.70	Per % nos
5.7.40.1	Labour for filling empty cement bags with local sand, stitching the bags and placing including supply of suttli etc. all complete as per approved design, specifications and direction of E/I	1418.30	Per % nos
A.	Labour for filling empty cement bags with local sand, stitching the bags and stacking including supply of suttli etc. all complete as per, specifications and direction of E/I	575.10	Per % nos
B.	Labour for placing sand filled E.C . Bags all complete as per specifications and direction of E/I	843.20	Per % nos
5.7.40.2	Labour for filling empty cement bags with local sand, stitching the bags and placing in Nylon crate of size (1 m x 1 m x 1 m) with a lead of 150 M including supply of suttli etc.in dry portion all complete as per approved design, specifications and direction of E/I	354.60	Each
5.7.40.3	Labour for filling empty cement bags with local sand, stitching the bags and placing in Nylon crate of size (1 m x 1 m x 1 m) with a lead of 150 M including supply of suttli etc.and placing the filled crates in water portion within a lead 30 M , all complete as per approved design, specifications and direction of E/I	580.20	Each
5.7.41	Labour charge for taking out disturbed boulder from boulder pitching or riprapp or rock toe etc. and cleaning the surface and stacking the same within a lead of 100 meter as per approved design, specifications and direction of E/I	297.80	Per M ³
5.7.42	Labour charge for loading boulder and dumping etc. with all lead and lifts as per specifications and direction of E/I	297.80	Per M ³
5.7.43	Labour rate for fitting and fixing sal bullah runner in vertical ballah in river bed or canal bed including cost of nails complete job as per specifications and direction of E/I	32.70	Per M
5.7.44	Earth work in cutting and making slope in all kinds of soil with all leads and lifts as per specifications and direction of E/I	70.80	Per M
5.7.45.1	Providing and Laying of a Geotextile filter between pitching and embankment slopes on which pitching is laid to prevent escape of the embankment materials through the voids of the stone pitching/cement concrete block as well as to allow free movement of water without creating any uplift head on the pitching as per specifications and direction of E/I	66.00	Per M
5.7.45.2	Laying of a Geotextile filter between pitching and embankment slopes on which pitching is laid to prevent escape of the embankment materials through the voids of the stone pitching/cement concrete block as well as to allow free movement of water without creating any uplift head on the pitching as per specifications and direction of E/I	12.60	Per M

Sr.No.	Item	Rate	Unit
5.7.46(a)	Supplying and Placing bamboo roll each roll of 4 nos uncleaned full bamboo 75 mm dia 6 m to 8 m long at site binding properly each other in bunch with Annealed wire 20 to 25 SWG at least at three places along its length, 3 nos loads filled with boulder in empty cement bags and tying it with B.A .Wire 8 to 10 SWG launching in river and placing in position and tying the bamboo roll at one end at least 15 M away from river bank to baboo post , including Piling of baboo post ,including all taxes and royalty etc and carriage of all materials at site all complete job as per specifications and direction of E/I	#VALUE!	Each
0.7.46(b)	Supplying and Placing bamboo roll each roll of 4 nos uncleaned full bamboo 75 mm dia 6 m to 8 m long at site binding properly each other in bunch with Annealed wire 20 to 25 at least at three places along its length, 3 nos loads filled with brick(100B) in empty cement bags and tying it with B.A .Wire 8 to 10 SWG launching in river and placing in position and tying the bamboo roll at one end at least 15 M away from river bank to baboo post , including Piling of baboo post ,including all taxes and royalty etc and carriage of all materials at site all complete job as per specifications and direction of E/I		
	Patna Urban	#VALUE!	Each
	Patna	#VALUE!	Each
	Muzzaffarpur	#VALUE!	Each
	Darbhanga	#VALUE!	Each
	Bhagalpur	#VALUE!	Each
	Munger	#VALUE!	Each
	Saharsa	#VALUE!	Each
	Purnea	#VALUE!	Each
	Gaya	#VALUE!	Each
	Saran	#VALUE!	Each
5.7.46©	Supplying and Placing bamboo roll each roll of 4 nos uncleaned full bamboo 75 mm dia 6 m to 8 m long at site binding properly each other in bunch with Annealed wire 20 to 25 SWG at least at three places along its length, 3 nos loads filled with Local sand in empty cement bags and tying it with G.I .Wire 8 to 10 SWG launching in river and placing in position and tying the bamboo roll at one end at least 15 M away from river bank to baboo post , including Piling, including Piling of baboo post ,including all taxes and royalty etc and carriage of all materials at site all complete job as per specifications and direction of E/I	#VALUE!	Each
5.7.47(a)	Supplying making and Placing in position Tree branches and Jhankhi covering over all space of about of 2.832 M ³ providing 3 nos of loads by filling Boulder spall in E.C bags, tying with 20 to 25 SWG Annealed wire to the tree spur and anchoring the same with B.A .Wire 8 to 10 SWG to the bamboo post at least 15 M away from the river bank, including Piling of baboo post ,including all taxes and royalty etc and carriage of all materials at site all complete job as per specifications and direction of E/I	#VALUE!	Each
5.7.47(b)	Supplying making and Placing in position Tree branches and Jhankhi covering over all space of about of 2.832 M ³ providing 3 nos of loads by filling Bricks (100B) in E.C bags, tying with 20 to 25 SWG Annealed wire to the tree spur and anchoring the same with B.A .Wire 8 to 10 SWG to the bamboo post at least 15 M away from the river bank, including Piling of baboo post ,including all taxes and royalty etc and carriage of all materials at site all complete job as per specifications and direction of E/I		
	Patna Urban	#VALUE!	Each
	Patna	#VALUE!	Each
	Muzzaffarpur	#VALUE!	Each

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Sr.No.	Item	Rate	Unit
	Darbhanga	#VALUE!	Each
	Bhagalpur	#VALUE!	Each
	Munger	#VALUE!	Each
	Saharsa	#VALUE!	Each
	Purnea	#VALUE!	Each
	Gaya	#VALUE!	Each
	Saran	#VALUE!	Each
7.47(c)	Supplying making and Placing in position Tree branches and Jhankhi covering over all space of about of 2.832 M ³ providing 3 nos of loads by filling Local sand in E.C bags, tying with 20 to 25 SWG Annealed wire to the tree spur and anchoring the same with B.A .Wire 8 to 10 SWG to the bamboo post at least 15 M away from the river bank, including Piling of baboo post ,including all taxes and royalty etc and carriage of all materials at site all complete job as per specifications and direction of E/I	#VALUE!	Each
5.7.48	Providing , laying and filling Geo bags of size 1mx0.7m (Type A 300 GSM nonwoven) weight of bag 420 gm,volume of filled bag 0.07 cum, weight of filled Geo bag 126 kg with local sand including stiching in four lines by approved nylon thred with stiching machine and generator, stacking and placing in gabion of size 1.8mx1.8mx0.5m (18nos. Geo bags per gabion) after loading,unloading and carriage with the help of trolley within 150m lead including cess all complete as per specification and direction of E/I	4634.00	Each
5.7.49	Supply of New bag and N.C with labour for filling New E.C bag with local sand (volume of filled bag 1.2 cft and weight 50kg),stiching on two lines by approved nylon thread with stiching machine & generator,Stacking the bags and placing in Nylon crate of size (1mx1mx1m) with a lead of 150m including supply of nylon threads etc , placing the filled crates in water portion within a lead of 30m,all complete as per approved design,specification and direction of E/I.	1141.30	Each
5.7.50	Providing,laying & filling Geo bags of size 1mX0.7m (Type A 300GSM nonwoven) Weight 420gm,volume of filled bag 0.07 cum,weight of filledf Geo bag 126kg with local sand including stiching in four lines by approved Nylon thread with stiching machine and generator,stacking and placing after loading,unloading and carriage with the help of Trolley within 150m lead and boat,including cess all complete as per specification and direction of E/I/(where boat is used)	159.70	Each
5.7.51	Providing,laying & filling Geo bags of size 1mX0.7m (Type A 300GSM nonwoven) Weight 420gm,volume of filled bag 0.07 cum,weight of filledf Geo bag 126kg with local sand including stiching in four lines by approved Nylon thread with stiching machine and generator,stacking and placing in Nylon Crate of size 1.0mx1.0mx1.0m(6 nos. geo bag per N.C) after loading,unloading and carriage with the help of Trolley within 150m lead ,including cess, all complete as per specification and direction of E/I/(where boat is used)	845.10	Each
5.7.52	Supply of New bag and N.C with labour for filling New E.C bag with local sand (volume of filled bag 1.2 cft and weight 50kg),stiching on two lines by approved nylon thread with stiching machine & generator,Stacking the bags and placing in Nylon crate of size (1mx1mx1m) with a lead of 150m including supply of nylon threads etc , placing the filled crates in dry portion within a lead of 30m,all complete as per approved design,specification and direction of E/I.	915.70	Each

Sr.No.	Item	Rate	Unit
5.7.53	Supply of New bag with labour for filling New E.C bag with local sand (volume of filled bag 1.2 cft and weight 50kg),stiching on two lines by approved nylon thread with stiching machine & generator,Stacking the bags and placing with a lead of 150m including supply of nylon threads etc ,all complete as per approved design,specification and direction of E/I.	34.90	Each
5.7.54	Providing,laying & filling Geo bags of size 1mX0.7m (Type A 300GSM nonwoven) Weight 420gm,volume of filled bag 0.07 cum,weight of filled Geo bag 126kg with local sand including stiching in four lines by approved Nylon thread with stiching machine and generator,stacking and placing after loading,unloading and carriage with the help of Trolley within 150m lead ,including cess. all complete as per specification and direction of E/I.	133.70	Each

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5.7 PITCHING AND PILING

Sl.no	Description	Quantity	Unit	Rate	Amount	
5.7.1	Labour for making 150 mm to 200 mm dia Sal ballah piles including cutting to size and dressing, making shoes for driving etc.all complete as per specification and direction of E/I.					
	Unit :-Per Pile					
	Taking Out put =10 Piles					
	Labour					
	Carpenter Gr II	0.5	nos	295.00	147.50	
					147.50	
	Add Overhead charge & C.P@15%				22.13	
					169.63	
	Add 1% Cess				1.70	
					171.32	17.13
	Say Rs			17.10		Per pile
5.7.2	Providing two coats of coal tar painting over 150 mm to 200 mm dia Sal ballah piles and labour for driving it below ground level up to 5 metre including cost of all tools and plants required for the job all complete as per specification and direction of E / I.					
	Unit :-Per M					
	Taking Out put =30.5 M					
	Materials					
	Coal tar	9	Kg	38.19	343.74	
	Labour					
	Unskilled mazdoor	18	nos	242.00	4356.00	
	Mate	1	nos	266.00	266.00	
					4965.7433	
	Add Overhead charge & C.P@15%				744.86	
					5710.60	
	Add 1% Cess				57.11	
					5767.71	189.11
	Say Rs			189.10		Per M
5.7.3	Labour for fitting and fixing 100 mm to 150 mm dia sal ballah cross pieces 1350 mm length in position with 16 mm dia bolts, nuts and washers at each joints including the cost of bolts nuts and washers complete job as per specification and direction of E / I.					
	Unit :-Per M					
	Taking Out put =13.7 M					
	(Assuming 10 nos. of piles)					
	Total nos. of joints 2x10 =20 nos					
	Length of one cross pipe = 1.37 mtr					
	Hence total length 10 x 1.37 metre =13.7 mtr					
	Materials					

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	Nuts and bolts 16 mm dia 375 mm long with washer etc.	20	nos	37.00	740.00	
	Labour					
	Carpenter Gr II	0.5	nos	295.00	147.50	
	Unskilled mazdoor	0.5	nos	242.00	121.00	
					1008.5	
	Add Overhead charge & C.P@15%				151.28	
					1159.78	
	Add 1% Cess				11.60	
					1171.37	85.50
	Say Rs			85.50	Per M	
5.7.4	Labour for fitting and fixing 150 mm dia sal ballah in position as back stay with 16 mm dia bolts, nuts and washers at each joints including the cost of bolts nuts and washers complete job as per specification and direction of E / I.					
	Unit :-Per M					
	Taking Out put =48.80 M					
	(Assuming 10 nos. of back stay each of 4.88 mt)					
	Total nos. of joints 3x10 =30 nos					
	Length of back stay including 2 % wastage =49.8 m					
	Materials					
	Nuts and bolts 16 mm dia 375 mm long with washer etc.	30	nos	37.00	1110	
	Labour					
	Carpenter Gr II	1	nos	295.00	295.00	
	Unskilled mazdoor	1	nos	242.00	242.00	
					1647	
	Add Overhead charge & C.P@15%				247.05	
					1894.05	
	Add 1% Cess				18.94	
					1912.99	39.20
	Say Rs			39.20	Per M	
5.7.5	Labour for fitting and fixing 100 mm to 150 mm dia sal ballah walling pieces with 16 mm dia bolts, nuts and washers at each joints including the cost of bolts nuts and washers complete job					
	Unit :-Per M					
	Taking Out put =6.10 M					
	(Assuming 6.10 m long walling pieces)					
	Total nos. of joints with vertical pile at 1.22 m = 6 nos.					
	Materials					
	Nuts and bolts 16 mm dia 375 mm long with washer etc.	6	nos	37.00	222.00	
	Labour					
	Carpenter Gr II	0.125	nos	295.00	36.88	
	Unskilled mazdoor	0.125	nos	242.00	30.25	
					289.125	
	Add Overhead charge & C.P@15%				43.37	
					332.49	
	Add 1% Cess				3.32	
					335.82	55.05

		Say Rs		55.10	Per M	
5.7.6	Labour for fitting and fixing 150 mm to 200 mm dia sal ballah piles with two nos 16 mm dia 225 mm long nuts and washers including the cost of bolts nuts and washers complete job as per specification and direction of E / I.					
	Unit :-Per M					
	Taking Out put =10 Joints					
	(Assuming 10 joints)					
	Materials					
	Nuts and bolts 16 mm dia 225 mm long with washer etc.	20	nos	37.00	740.00	
	Labour					
	Carpenter Gr II	0.5	nos	295.00	147.50	
	Unskilled mazdoor	0.25	nos	242.00	60.50	
					948	
	Add Overhead charge & C.P@15%				142.20	
					1090.20	
	Add 1% Cess				10.90	
					1101.10	110.11
	Say Rs			110.10	Per M	
5.7.7	Labour for cutting 62 mm to 75 mm dia bamboo piles to size and making shoes and driving etc. complete job as per specification and direction of E / I.					
	Unit :-Per M					
	Taking Out put =30.50M					
	(Assuming 20 nos. pile sunk 1.525 mtr deep)					
	Total depth sunk 30.50 meter					
	Labour					
	Carpenter Gr II	0.25	nos	295.00	73.75	
	Unskilled mazdoor for pilling	2.5	nos	242.00	605.00	
					678.75	
	Add Overhead charge & C.P@15%				101.81	
					780.56	
	Add 1% Cess				7.81	
					788.37	25.85
	Say Rs			25.80	Per M	
5.7.8	Labour for fitting and fixing split bamboo woven chachari in position with 20 swg G.I. wire or 75 mm to 100 mm long nails alternatively including cost of G.I. wire or nails complete job as per specification and direction of E / I.					
	Unit :-Per Sqm					
	Taking Out put = 9.30 Sqm					
	(Assuming strip of 3.05x3.05 = 9.30 sqm)					
	Materials					
	75 mm to 100 mm long nails	0.25	Kg	64.41	16.10	
	Labour					
	Carpenter Gr II	1	nos	295.00	295.00	
	Unskilled mazdoor	1	nos	242.00	242.00	
					553.1025	

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	Add Overhead charge & C.P@15%				82.97	
					636.07	
	Add 1% Cess				6.36	
					642.43	69.08
	Say Rs				69.10	Per M ²
5.7.9	Labour for fitting and fixing 62mm to 75 mm dia bamboo runners in position at every vertical pile with 150 mm long nails or 38 swg G.I. wire including cost of G.I. wire or nails complete job as per specification and direction of E / I.					
	Unit :-Per M					
	Taking Out put =30.50M					
	Materials					
	Cost of 150 mm long nails	0.5	Kg	64.41	32.21	
	Labour					
	Carpenter Gr II	0.125	nos	205.00	36.88	
	Unskilled mazdoor	0.25	nos	242.00	60.5	
					129.58	
	Add Overhead charge & C.P@15%				19.44	
					149.02	
	Add 1% Cess				1.49	
					150.51	4.93
	Say Rs				4.90	Per M
5.7.10	Providing two coats of coal tar painting over 150 mm to 200 mm dia Sal ballah piles and labour for driving it below ground level in running water upto complete job as per specification and direction of E/I. (Assuming 30.5 meter of piles)					
	Unit :-Per M					
	Taking Out put=30.50 M					
	Materials					
	Coal tar	9	Kg	38.19	343.74	
	Labour					
	Unskilled mazdoor	28	nos	242.00	6776.00	
	Mate	1	nos	266.00	266.00	
	Hire charge of 2 nos of boat of 40 quintal	2	nos	1696.00	3392.00	
					10777.74	
	Add Overhead charge & C.P@15%				1616.66	
					12394.40	
	Add 1% Cess				123.94	
					12518.35	410.44
	Say Rs				410.40	Per M
5.7.11	Labour for fitting and fixing 75 mm dia sal ballah runners on sal ballah verticals including cost of nails or spikes for fixing the same complete job as per specification and direction of E / I.					
	Unit :-Per M					
	Taking Out put =30.50M					
	Materials					
	Cost of nails or spikes	2	Kg	64.41	128.82	

Labour					
	Carpenter Gr II	0.75	nos	295.00	221.25
	Unskilled mazdoor	0.75	nos	242.00	181.50
					531.57
	Add Overhead charge & C.P@15%				79.74
					611.31
	Add 1% Cess				6.11
					617.42
				20.20	20.24
				Say Rs	Per M
5.7.12	Labour for fitting and fixing 75 mm but upto 150 mm dia sal ballah runners on sal ballah verticals including cost of nails or spikes for fixing the same complete job as per specification and direction of E / I.				
	Unit :-Per M				
	Taking Out put =30.50M				
	Materials				
	Cost of nails or spikes	4	Kg	64.41	257.64
	Labour				
	Carpenter Gr II	1	nos	295.00	295.00
	Unskilled mazdoor	1	nos	242.00	242.00
					794.64
	Add Overhead charge & C.P@15%				119.20
					913.84
	Add 1% Cess				9.14
					922.97
				30.30	30.26
				Say Rs	Per M
5.7.13	Labour for laying fine filter (Sand) or coarse dry graded filter either of jhama khoa or stone metal or stone chips under brick pitching or boulder pitching in slope and apron including light ramming etc.all complete job as per specification and direction of E / I.				
	Unit :-Per Cum				
	Taking Out put = 2.832 Cum				
	Unskilled mazdoor	3	nos	242.00	726.00
					726.00
	Add Overhead charge & C.P@15%				108.90
					834.90
	Add 1% Cess				8.35
					843.25
				297.80	297.76
				Say Rs	Per M ³
7.13(b)	Labour for laying River bed Material (30 % sand and 70% Quarry spall) including light ramming etc.all complete job as per specification and direction of E / I.				
	Unit :-Per Cum				
	Taking Out put =1 Cum				
	Unskilled mazdoor	0.75	nos	242.00	181.50
					181.5
	Add Overhead charge & C.P@15%				27.23
					208.73
	Add 1% Cess				2.09

					210.81	210.81
		Say Rs		210.80	Per M ³	
5.7.14	Providing brick flat soling with designation 100A bricks joints filled with coarse sand of approved quality including royalty and all taxes, all complete as per approved design, specifications and direction of E/I					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					
	Materials					
	Bricks	300	r%0nc	7222.00	2166.60	
	Local Sand	0.142	M ³	122.80	17.44	
	Labours					
	Mason Gr II	0.50	nos	295.00	147.50	
	Unskilled mazdoor	1.00	nos	242.00	242.00	
					2573.54	
	Add Overhead charge & C.P15%				386.03	
					2959.57	
	Add 1% Cess				29.60	
					2989.16	321.42
	Say Rs			321.40	Per M ²	
5.7.15	Providing brick on edge soling with designation 100A bricks joints filled with coarse sand of approved quality including royalty and all taxes, all complete as per approved design, specifications and direction of E/I					
	Unit :-Per Sqm					
	Taking Out put = 9.30 Sqm					
	Materials					
	Bricks	500	r%0nc	7222.00	3611.00	
	Local Sand	0.283	M ³	122.80	34.75	
	Labours					
	Mason Gr II	0.625	nos	295.00	184.38	
	Unskilled mazdoor	1.25	nos	242.00	302.50	
					4132.63	
	Add Overhead charge & C.P@15%				619.89	
					4752.52	
	Add 1% Cess				47.53	
					4800.05	516.13
	Say Rs			516.10	Per M ²	
5.7.16	Providing pitching work with designation 100A bricks in panel and in herring bond pattern one brick on edge over a brick flat soling joints filled with local sand free from clay contents including royalty and all taxes, all complete as per approved design, specifications and direction of E/I					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					
	Materials					
	Bricks	800	r%0nc	7222.00	5777.60	
	Local Sand	0.425	M ³	122.80	52.19	
	Labours					

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	Mason Gr II	1.125	nos	295.00	331.88	
	Unskilled mazdoor	2.25	nos	242.00	544.50	
					6706.17	
	Add Overhead charge & C.P@15%				1005.92	
					7712.09	
	Add 1% Cess				77.12	
					7789.21	837.55
				Say Rs	837.50	Per M ²
5.7.17	Providing pitching work with designation 100A Bricks in panel two brick on edge over a brick flat soling joints filled with local sand free from clay contents including royalty and all taxes, all complete as per approved design, specifications and direction of E/I					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					
	Materials					
	Bricks	1300	r%0no	7222.00	9388.60	
	Local Sand	0.556	M ³	122.80	68.28	
	Labours					
	Mason Gr II	2.00	nos	295.00	590.00	
	Unskilled mazdoor	4.50	nos	242.00	1089.00	
					11135.88	
	Add Overhead charge & C.P@15%				1670.38	
					12806.26	
	Add 1% Cess				128.06	
					12934.32	1390.79
				Say Rs	1390.80	Per M ²
5.7.18.1	Labour charge for pitching work on apron slope of bank with stone boulder duly packed (Uncreated complete job) materials within 150 m lead with all lifts, all complete as per approved design, specifications and direction of E/I					
	Unit :-Per Cum					
	Taking Out put =2.832 Cum					
	Unskilled mazdoor for carrying and laying boulder	6	nos	242.00	1452.00	
	Mason Gr II	0.50	nos	295.00	147.50	
	Mate	0.25	nos	266.00	66.50	
	Stone dresser	0.25	nos	312.00	78.00	
					1744.00	
	Add Overhead charge & C.P@15%				261.60	
					2005.60	
	Add 1% Cess				20.06	
					2025.66	715.27
				Say Rs	715.30	Per M ²
5.7.18.2	Labour charge for pitching work on apron slope of bank with stone boulder duly packed (Uncreated complete job) materials within 50 m lead with all lifts, all complete as per approved design, specifications and direction of E/I					

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3m

	Unit :-Per Cum					
	Taking Out put = 2.832 Cum					
	Unskilled mazdoor for carrying and laying boulder	2	nos	242.00	484.00	
	Mason Gr II	0.50	nos	295.00	147.50	
	Male	0.25	nos	266.00	66.50	
	Stone dresser	0.25	nos	312.00	78.00	
					776.00	
	Add Overhead charge & C.P@15%				116.40	
					892.40	
	Add 1% Cess				8.92	
					901.32	318.26
	Say Rs			318.30	Per M ³	
5.7.19	Labour charge for stone boulder (uncrated) laying in launching apron and slope (materials within 150 m lead all lifts), all complete as per approved design, specifications and direction of E/I					
	Unit :-Per Cum					
	Taking Out put =2.832 Cum					
	Unskilled mazdoor for carrying and laying boulder	6	nos	242.00	1452.00	
	Male	0.25	nos	266.00	66.50	
	Hire charge of boat of 40 quintal capacity	1	nos	1696.00	1696.00	
					3214.50	
	Add Overhead charge & C.P@15%				482.18	
					3696.68	
	Add 1% Cess				36.97	
					3733.64	1318.38
	Say Rs			1318.40	Per M ³	
5.7.20	Labour charge for pitching with jhama bricks closely packed over apron and including preparation of base, making proper slope and grade etc.all complete (materials within 150 m lead with all lifts) as per approved design, specifications and direction of E/I					
	Unit :-Per Cum					
	Taking Out put = 2.832 Cum					
	Mason Gr II	0.50	nos	295.00	147.50	
	Unskilled mazdoor	6	nos	242.00	1452.00	
					1599.50	
	Add Overhead charge & C.P@15%				239.93	
					1839.43	
	Add 1% Cess				18.39	
					1857.82	656.01
	Say Rs			656.00	Per M ³	
5.7.21.1	Labour charge for pitching above water on apron and slope of bank with boulder in crates of specified size (material within 150 mtr lead and all lifts) including boxing and tying the crates with 12 to 14 gauge G.I wire including cost of G.I wire all complete as per approved design, specifications and direction of E/I					

	Unit :-Per Cum					
	Taking Out put = 2.832 Cum					
	Skilled mazdoor	1.00	nos	307.00	307.00	
	Unskilled mazdoor	6.50	nos	242.00	1573.00	
	Black smith Gr II	0.25	nos	295.00	73.75	
	Stone dresser	0.25	nos	312.00	78.00	
	Mate	0.25	nos	266.00	66.50	
	Cost of 12 to 14 gauge binding wire for binding crate	0.30	Kg	65.50	19.65	
	Add Overhead charge & C.P@15%				2117.90	
					317.69	
					2435.59	
	Add 1% Cess				24.36	
					2459.94	868.62
	Say Rs			868.60	Per M ³	
5.7.21.2	Labour charge for pitching above water in apron and slope of bank with boulder in crates of specified size (material within 50 mtr lead and all lifts) including boxing and tying the crates with 12 to 14 gauge G.I wire including cost of G.I wire all complete as per approved design, specifications and direction of E/I					
	Unit :-Per Sqm					
	Taking Out put = 2.832 Cum					
	Skilled mazdoor	1.00	nos	307.00	307.00	
	Unskilled mazdoor	2.00	nos	242.00	484.00	
	Black smith Gr II	0.25	nos	295.00	73.75	
	Stone dresser	0.25	nos	312.00	78.00	
	Mate	0.25	nos	266.00	66.50	
	Cost of 12 to 14 gauge binding wire for binding crate	0.30	Kg	65.50	19.65	
					1028.90	
	Add Overhead charge & C.P@15%				154.34	
					1183.24	
	Add 1% Cess				11.83	
					1195.07	421.99
	Say Rs			422.00	Per M ³	
5.7.22	Labour charge for pitching under water in apron and slope of bank with boulder in crates of specified size (material within 150 M lead and all lifts) including boxing and tying the crates with 12 to 14 gauge G.I wire including cost of G.I wire all complete as per approved design, specifications and direction of E/I					
	Unit :-Per Cum					
	Taking Out put = 2.832 Cum					
	Skilled mazdoor	1	nos	307.00	307.00	
	Unskilled mazdoor	6.50	nos	242.00	1573.00	
	Black smith Gr II	0.25	nos	295.00	73.75	
	Mate	0.25	nos	266.00	66.50	
	Cost of 12 to 14 gauge binding wire for binding crate	0.30	Kg	65.50	19.65	
	Hire charge of boat of 40 quintal capacity	2	hrs	1696.00	3392.00	

					5431.90	
	Add Overhead charge & C.P@15%				814.79	
					6216.69	
	Add 1% Cess				62.47	
					6309.15	2227.81
				Say Rs	2227.80	Per M ³
5.7.23	Labour charge for pitching under water in apron and slope with rubble having 600 mm to 300 mm size with all leads and lifts complete as per approved design, specifications and direction of E/I					
	Unit :-Per Cum					
	Taking Out put = 2.832 Cum					
	Skilled mazdoor	1	nos	307.00	307.00	
	Unskilled mazdoor	8	nos	242.00	1936.00	
	Stone dresser	0.25	nos	312.00	78.00	
	Mate	0.25	nos	266.00	66.50	
					2387.50	
	Add Overhead charge & C.P@15%				358.13	
					2745.63	
	Add 1% Cess				27.46	
					2773.08	979.20
				Say Rs	979.20	Per M ³
5.7.24.1	Labour charge for pitching above water in apron and slope of bank with bricks packed in crates of specified size (material within 150 mtr lead and all lifts) including boxing and tying the crates with 12					
	Unit :-Per Cum					
	Taking Out put =2.832 Cum					
	Skilled mazdoor	1	nos	307.00	307.00	
	Unskilled mazdoor	6.5	nos	242.00	1573.00	
	Black smith Gr II	0.25	nos	295.00	73.75	
	Mate	0.25	nos	266.00	66.50	
	Cost of 12 to 14 gauge binding wire for binding crate	0.30	Kg	65.50	19.65	
					2039.90	
	Add Overhead charge & C.P@15%				305.99	
					2345.89	
	Add 1% Cess				23.46	
					2369.34	836.63
				Say Rs	836.60	Per M ³
5.7.24.2	Labour charge for pitching above water in apron and slope of bank with bricks packed in crates of specified size (material within 50 M lead and all lifts) including boxing and tying the crates with 12 to 14 gauge G.I wire including cost of G.I wire all complete as per approved design, specifications and direction of E/I					
	Unit :-Per Cum					
	Taking Out put =2.832 Cum					
	Skilled mazdoor	1	nos	307.00	307.00	
	Unskilled mazdoor	2	nos	242.00	484.00	

	Black smith Gr II	0.25	nos	295.00	73.75	
	Mate	0.25	nos	266.00	66.50	
	Cost of 12 to 14 gauge binding wire for binding crate	0.30	Kg	65.50	19.65	
					950.90	
	Add Overhead charge & C.P@15%				142.64	
					1093.54	
	Add 1% Cess				10.94	
					1104.47	390.00
				Say Rs	390.00	Per M ³
5.7.24.3	Extra for each lead of 30 M over the initial lead of 50 M (Boulder or Brick) as per approved design, specifications and direction of E/I					
	Unit :-Per Cum					
	Taking Out put =2.832 Cum					
	Skilled mazdoor	1	nos	242.00	272.25	
	Add Overhead charge & C.P@15%				40.84	
					313.09	
	Add 1% Cess				3.13	
					316.22	111.66
				Say Rs	111.70	Per M ³
5.7.25	Labour charge for pitching under water in apron and slope of bank with bricks packed in crates of specified size (material within 150 mtr lead and all lifts) including boxing and tying the crates with 12 to 14 gauge G.I wire including cost of G.I wire all complete as per approved design, specifications and direction of E/I					
	Unit :-Per Cum					
	Taking Out put =2.832 Cum					
	Skilled mazdoor	1	nos	307.00	307.00	
	Unskilled mazdoor	7	nos	242.00	1694.00	
	Black smith Gr II	0.25	nos	295.00	73.75	
	Mate	0.25	nos	266.00	66.50	
	Cost of 12 to 14 gauge binding wire for binding crate	0.30	Kg	65.50	19.65	
	Hire charge of boat of 40 quintal capacity	2	hrs	1696.00	3392.00	
					5552.90	
	Add Overhead charge & C.P@15%				832.94	
					6385.84	
	Add 1% Cess				63.86	
					6449.69	2277.43
				Say Rs	2277.40	Per M ³
5.7.26	Providing brick block in designation 100 A bricks of size 600 x 600 x 300 mm for pitching in cement mortar (1:3) with approved quality of sand of requisite F.M. over 150 mm dry khoa rammed to make the inter spaces closer, keeping the thickness intact including royalty and all taxes complete job as per approved design, specifications and direction of E/I					
	Unit :-Per Sqm					
	Taking Out put = 9.30 Sqm					

	i. Rammed khoa					
	ii. Cost of rammed khoa before ramming (1.415+0.472) 40 mm to 50 mm size	1.887	M ³	2149.58	4056.25	
	Unskilled mazdoor	2	nos	242.00	484.00	
	iii. 9.3 Sqm of block is equivalent to 2.832 cum of brick work in C.M (1:3). Cost of 2.832 cum of B.W. in C.M. (1:3) vide item no 5.4.1 (without O.H & C.P)	2.832	M ³	4665.27	13212.06	
	Unskilled mazdoor for placing	4	nos	242.00	968.00	
					18720.31	
	Add Overhead charge & C.P@15%				2808.05	
					21528.35	
	Add 1% Cess				215.28	
					21743.64	2338.03
				Say Rs	2338.00	Per M ²
5.7.27	Providing brick block in designation 100 A bricks of size 600 x 600 x 300 mm duly pointed in cement mortar (1:3) with coarse sand of approved quality for staggered pitching over 150 mm dry khoa filter rammed to make the inter spaces closer, keeping the thickness intact. The inter spaces of blocks to be filled with coarse sand of approved quality including royalty and all taxes, complete job as per approved design, specifications and direction of E/I					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					
	A. Cost of 2.832 cum brick block in C.M. (1:3) as item no.5.4.1 (without O.H & C.P)	2.832	M ³	4665.27	13212.06	A
	B. Unskilled mazdoor carrying and placing in position	4	nos	242.00	968.00	B
	C. Cost of 150 mm graded jam filter sand packing					
	i. Jhama metal 20mm to 40mm	2.832	M ³	1684.00	4769.09	
	ii. Sand	0.425	M ³	145.20	61.71	
	iii. Unskilled mazdoor for packing	1.5	nos	242.00	363.00	
					5193.80	C
	Total (A+ B+C)				19373.86	
	Add Overhead charge & C.P @15% on (A+B+C)				2906.08	
					22279.93	
	Add 1% Cess				222.80	
					22502.73	2419.649
				Say Rs	2419.60	Per M ²
5.7.28	Providing brick block in designation 100 A bricks of size 600 x 600 x 200 mm duly pointed in cement mortar (1:4) with coarse sand of approved quality for staggered pitching over 100 mm dry khoa filter rammed to make the inter spaces closer, keeping the thickness intact. The inter spaces of blocks to be filled with coarse sand of approved quality including royalty and all taxes, complete job as per approved design, specifications and direction of E/I					

	Say Rs		109.30	Per M ³	
5.7.29.2	Extra for carriage of jhankhi for subsequent K.M. beyond initial 1st K.M. by bullock cart.				
	Unit :-Per Km per Cum				
	Taking Out put =2.832 Cum				
	Assuming 5 K.M lead				
	Nos of trips per day= $8/(2/S(L+3/4))$ = 1.4 trip				
	Hire charge of bullock cart per day 136.60 Rs				
	Cost per trip= Hire charges/1.4=136.6/1.4= 97.57 Rs				
	Assuming bullock cart capacity as jhawa bush wood 1.7 cum				
	Carriage cost for 5 K.M lead = Cost per trip x 2.832 /1.70 162.54 162.54				
	Hence rate for each subsequent K.M. beyond 1 k.m				
	(Carriage cost for 5 k.m-Carriage cost for 1 k.m)/4*2.832 9.94				
	Add Overhead charge & C.P@15% 1.49				
	11.43				
	Add 1% Cess 0.11				
	11.55 11.55				
	Say Rs 11.50 er K.M Per M ³				
5.7.30	Supplying palm leaves and fixing in position all complete job as per approved design, specifications and direction of E/I				
	Unit :-Per 100 Nos'				
	Materials				
	Supplying palm leaves 100 nos 15.78				
	Labour				
	Unskilled mazdoor for fixing 1 nos 242.00 242.00				
	257.78				
	Add Overhead charge & C.P@15% 38.67				
	296.45				
	Add 1% Cess 2.96				
	299.41 299.41				
	Say Rs 299.40 Per % nos				
5.7.31	Labour charge for making crates including cutting taranga wire roll of suitable size from G.I. wire in 8 nos.including cutting the wire and tying the joints with binding wire and making square mesh of 100 mm to 150 mm double knotted with 8 to 10 S.W.G. wire as per approved design, specifications and direction of E/I				
	Vide T.E.C No 67 dated 26.6.90				
	Unit :-Per Sqm				
	Taking Out put =55.76 Sqm				
	Labour				
	Black smith Gr II 2 nos 295.00 590.00				
	Unskilled mazdoor as Helper 2 nos 242.00 484.00				
	Unskilled mazdoor for tying joints 1 nos 242.00 242.00				
	1316.00				
	Add Overhead charge & C.P@15% 197.40				

	Add 1% Cess				1513.40	
					15.13	
					1528.53	27.41
			Say Rs	27.40	Per M ²	
5.7.32.A	(a).Labour charge for making crates box of size 3m x 1.5m x 0.6m including cutting of G.I wire or B.A wire, weaving of wire to make it taranga wire having 150 mm square mesh with double knot with 8 & 10 S.W.G. wire as per approved design, specifications and direction of E/I					
	As per T.E.C.letter no 33 dated 8.4.06)					
	Unit :-Each					
	Taking Out put =10 nos.					
	Labour					
	Black smith Gr II for weaving the wire roll for cutting the taragana wire to size	2	nos	295.00	590.00	
	Unskilled mazdoor for weaving the wire, as helper in making creates & tying joints	3	nos	242.00	726.00	
	Add Overhead charge & C.P@15%				1316.00	131.60
					197.40	
					1513.40	
	Add 1% Cess				15.13	
					1528.53	152.85
			Say Rs	152.90	Each	
5.7.32.B	(a)Labour charge for making crates box size 3m x 1.5m x 0.6m including cutting of G.I wire or B.A.wire, weaving of wire to make it taranga wire having 100 mm square mesh with double knot with 8 & 10 S.W.G. wire as per approved design, specifications and direction of E/I					
	As per T.E.C.letter no 33 dated 8.4.06)					
	Unit :-Each					
	Taking Out put =10 nos.					
	Labour					
	Black smith Gr II for weaving the wire roll for cutting the taragana wire to size	4.2	nos	295.00	1239.00	
	Unskilled mazdoor for weaving the wire,as helper in making creates & tying joints	4.2	nos	242.00	1016.40	
	Add Overhead charge & C.P@15%				2255.40	225.54
					338.31	
					2593.71	
	Add 1% Cess				25.94	
					2619.65	261.96
			Say Rs	262.00	Each	
5.7.32.C	(a).Labour charge for making crates box of size 3m x 1.5m x 0.75m including cutting of G.I wire or B.A wire, weaving of wire to make it taranga wire having 150 mm square mesh with double knot with 8 & 10 S.W.G. wire as per approved design, specifications and direction of E/I					
	As per T.E.C.letter no 33 dated 8.4.06)					
	Unit :-each					

[Handwritten signatures and marks]

Taking Out put =10 nos.					
Labour					
Black smith Gr II for weaving the wire roll for cutting the taragana wire to size	2.2	nos	295.00	649.00	
Unskilled mazdoor for weaving the wire, as helper in making creates & tying joints	3.3	nos	242.00	798.60	
				1447.60	144.76
Add Overhead charge & C.P@15%				217.14	
				1664.74	
Add 1% Cess				16.65	
				1681.39	168.14
	Say Rs		168.10	Each	
5.7.32.D	(a)Labour charge for making crates box size 3m x 1.5m x 0.75m including cutting of G.I wire or B.A.wire, weaving of wire to make it taranga wire having 100 mm square mesh with double knot with 8 & 10 S.W.G. wire as per approved design, specifications and direction of E/I				
As per T.E.C.letter no 33 dated 8.4.06)					
Unit :-Each					
Taking Out put =10 nos.					
Labour					
Black smith Gr II for weaving the wire roll for cutting the taragana wire to size	4.6	nos	295.00	1357.00	
Unskilled mazdoor for weaving the wire, as helper in making creates & tying joints	4.6	nos	242.00	1113.20	
				2470.20	247.02
Add Overhead charge & C.P@15%				370.53	
				2840.73	
Add 1% Cess				28.41	
				2869.14	286.91
	Say Rs		286.90	Each	
5.7.33	Supplying and Labour charge for fitting and fixing empty coal tar drum sheets at piles in position with G.I. nails including cutting the coal tar drum and making it plain as per approved design, specifications and direction of E/I				
As per T.E.C.letter no 11 dated 7.3.94 and 1(E) dt 3.2.93					
Unit :-Per Sqm					
Taking Out put =10.76 Sqm					
Material					
Cola tar drum	6	nos	#VALUE!	#VALUE!	
Nail and spike	0.4	Kg	64.41	25.76	
Labour					
Black smith Gr II	0.5	nos	295.00	147.50	
Helper for cutting 12 drum and making plain	0.5	nos	258.00	129.00	
Unskilled mazdoor for fitting and fixing drums	0.25	nos	242.00	60.50	
				#VALUE!	
Add Overhead charge & C.P@15%				#VALUE!	
				#VALUE!	
Add 1% Cess				#VALUE!	

				#VALUE!	#VALUE!
				Per M ²	
5.7.34	Supplying G.I wire crates of size 3 M x 1.5 M x 0.75M and 100 mm square mesh made out of G.I wire 8 S.W.G. double knot at each joints in box type etc. all complete as per approved design, specifications and direction of E/I				
	Unit :-Each				
	Materials				
	Cost of one M.T. of G.I. Wire of 8 S.W.G				
	including carriage	1	M.T	64000.00	
	Av nos of crate manufactured (30+33)/2=31.5 nos	31.5	nos		
	Materials cost of one box=Cost of 1 M.T G.I wire/31.5				2031.75
	Labour				
	Labour charge as item 5.7.32.D				247.02
					2278.77
	Add Overhead charge & C.P@15%				341.81
					2620.58
	Add 1% Cess				26.21
					2646.79
	Say Rs			2646.80	Each
5.7.35.1	Supplying wire mesh crates of size 3 M x 1.5M x 0.75 M and 100 mm square mesh made out of G.I wire 10 S.W.G. double knot at each joints in box type etc. all complete as per approved design, specifications and direction of E/I				
	As per T.E.C.letter no 37 dated 30.4.06)				
	Unit :-Each				
	Materials				
	Cost of one M.T. of G.I Wire of 10 S.W.G				
	including carriage	1	M.T	64000.00	
	Av nos of crate manufactured 37 nos	37	nos		
	Materials cost of one box=Cost of 1 M.T G.I wire/37				1729.73
	Labour				
	Labour charge as item 5.7.32.D				247.02
					1976.75
	Add Overhead charge & C.P@15%				296.51
					2273.26
	Add 1% Cess				22.73
					2295.99
	Say Rs			2296.00	Each
5.7.35.2	Supplying wire mesh crates of size 3 M x 1.5 M x 0.60 M and 100 mm square mesh made out of G.I wire 10 S.W.G. double knot at each joints in box type etc. all complete as per approved design, specifications and direction of E/I				
	As per T.E.C.letter no 37 dated 30.4.06)				
	Unit :-Each				
	Materials				
	Cost of one M.T. of G.I Wire of 10 S.W.G				
	including carriage	1	M.T	64000.00	

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	Av nos of crate manufactured 41 nos	41	nos				
	Materials cost of one box=Cost of 1 M.T G.I wire/41					1560.98	
	Labour						
	Labour charge as item 5.7.32.B					225.54	
						1786.52	
	Add Overhead charge & C.P@15%					267.98	
						2054.49	
	Add 1% Cess					20.54	
						2075.04	2075.04
	Say Rs			2075.00		Each	
5.7.36.1	Supplying wire mesh crates of size 3 M x 1.5 M x 0.75 M and 150 mm square mesh made out of G.I wire 10 S.W.G. double knot at each joints in box type etc. all complete as per approved design, specifications and direction of E/I						
	As per T.E.C.letter no 37 dated 30.4.06)						
	Unit :-Each						
	Materials						
	Cost of one M.T. of G.I Wire of 10 S.W.G						
	including carriage	1	M.T	64000.00			
	Av nos of crate manufactured 53nos	53	nos				
	Materials cost of one box=Cost of 1 M.T G.I wire/53					1207.55	
	Labour						
	Labour charge as item 5.7.32.C					144.76	
						1352.31	
	Add Overhead charge & C.P@15%					202.85	
						1555.15	
	Add 1% Cess					15.55	
						1570.70	1570.70
	Say Rs			1570.70		Each	
5.7.36.2	Supplying wire mesh crates of size 3 M x 1.5 M x 0.60 M and 150 mm square mesh made out of G.I wire 10 S.W.G. double knot at each joints in box type etc. all complete as per approved design, specifications and direction of E/I						
	As per T.E.C.letter no 37 dated 30.4.06)						
	Unit :-Each						
	Materials						
	Cost of one M.T. of G.I Wire of 10 S.W.G						
	including carriage	1	M.T	64000.00			
	Av nos of crate manufactured 58 nos	58	nos				
	Materials cost of one box=Cost of 1 M.T G.I wire/58					1103.45	
	Labour						
	Labour charge as item 5.7.32.A					131.60	
						1235.05	
	Add Overhead charge & C.P@15%					185.26	
						1420.31	
	Add 1% Cess					14.20	
						1434.51	1434.51
	Say Rs			1434.50		Each	

5.7.37.1	Supplying wire mesh crates of size 3 M x 1.5 M x 0.75 M and 100 mm square mesh made out of B.A.wire 10 S.W.G. double knot at each joints in box type etc. all complete as per approved design, specifications and direction of E/I					
	As per T.E.C.letter no 37 dated 30.4.06)					
	Unit :-Each					
	Materials					
	Cost of one M.T. of B.A Wire of 10 S.W.G					
	including carriage	1	M.T	60500.00		
	Av nos of crate manufactured 37nos	37	nos			
	Materials cost of one box=Cost of 1 M.T G.I wire/37				1635.14	
	Labour					
	Labour charge as item 5.7.32.D				247.02	
					1882.16	
	Add Overhead charge & C.P@15%				282.32	
					2164.48	
	Add 1% Cess				21.64	
					2186.12	2186.12
	Say Rs			2186.10	Each	
5.7.37.2	Supplying wire mesh crates of size 3 M x 1.5 M x 0.60 M and 100 mm square mesh made out of Black annealed wire 10 S.W.G. double knot at each joints in box type etc. all complete as per approved design, specifications and direction of E/I					
	As per T.E.C.letter no 37 dated 30.4.06)					
	Unit :-Each					
	Materials					
	Cost of one M.T. of B.A Wire of 10 S.W.G					
	including carriage	1	M.T	60500.00		
	Av nos of crate manufactured 41nos	41	nos			
	Materials cost of one box=Cost of 1 M.T G.I wire/41				1475.61	
	Labour					
	Labour charge as item 5.7.32.B				225.54	
					1701.15	
	Add Overhead charge & C.P@15%				255.17	
					1956.32	
	Add 1% Cess				19.56	
					1975.89	1975.89
	Say Rs			1975.90	Each	
5.7.38.1	Supplying wire mesh crates of size 3 M x 1.5M x 0.75 M and 150 mm square mesh made out of B.A.wire 10 S.W.G. double knot at each joints in box type etc. all complete as per approved design, specifications and direction of E/I					
	As per T.E.C.letter no 37 dated 30.4.06)					
	Unit :-Each					
	Materials					
	Cost of one M.T. of B.A Wire of 10 S.W.G					

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	including carriage	1	M.T	60500.00		
	Av nos of crate manufactured 53nos	53	nos			
	Materials cost of one box=Cost of 1 M.T G.I wire/53				1141.51	
	Labour					
	Labour charge as item 5.7.32.C				144.76	
					1286.27	
	Add Overhead charge & C.P@15%				192.94	
					1479.21	
	Add 1% Cess				14.79	
					1494.00	1494.00
	Say Rs			1494.00	Each	
5.7.38.2	Supplying wire mesh crates of size 3 M x 1.5 M x 0.60 M and 150 mm square mesh made out of Black annealed wire 10 S.W.G. double knot at each joints in box type etc. all complete as per approved design, specifications and direction of E/I					
	As per T.E.C.letter no 37 dated 30.4.06)					
	Unit :-Each					
	Materials					
	Cost of one M.T. of B.A Wire of 10 S.W.G					
	including carriage	1	M.T	60500.00		
	Average nos of crate manufactured= 58nos	58	nos			
	Materials cost of one box=Cost of 1 M.T G.I wire/58				1043.10	
	Labour					
	Labour charge as item 5.7.32.A				131.60	
					1174.70	
	Add Overhead charge & C.P@15%				176.21	
					1350.91	
	Add 1% Cess				13.51	
					1364.42	1364.42
	Say Rs			1364.40	Each	
5.7.39.1	Carriage of boulder and metals by boat including, loading, unloading and stacking with lead of 1 K.M.all complete as per approved design, specifications and direction of E/I					
	Unit :- Per Cum					
	Taking Out put =8.0 Cum					
	Assuming three trips per day by 40 quintal capacity boat boulder carried in each trip					
	100x40/42=95.2 cft					
	Total carried per day=3x95.2=285.6 cft=8.08cum					
	Say 8.00 cum					
	Hire charge of 40 Qt Boat	1	Day	1696.00	1696.00	
	Unskilled mazdoor for loading and unloading	17	nos	242.00	4114.00	
					5810.00	
	Add Overhead charge & C.P@15%				871.50	
					6681.50	
	Add 1% Cess				66.82	
					6748.32	843.54
	Say Rs			843.50	PerM ³	

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5.7.39.2	Extra for carriage of boulder and metals by boat including, loading, unloading and stacking beyond 1 K.M. but up to 4 K.M., all complete as per approved design, specifications and direction of E/I					
	Unit :- Per Km per Cum					
	Taking Out put =5.39 Cum					
	Assuming 4 K.M lead two trips per day by 40 quintal capacity boat boulder carried in each trip					
	100x40/42=95.2 cft					
	Total carried per day=2x95.2=190.4 cft=5.39cum					
	Hire charge of 40 Qt Boat	1	Day	1696.00	1696.00	
	Unskilled mazdoor for loading and unloading	11.5	nos	242.00	2783.00	
					4479.00	
	Add Overhead charge & C.P@15%				671.85	
					5150.85	
	Add 1% Cess				51.51	
					5202.36	965.19
	Hence Rate per K.M per M ³ =					40.55
	(Rate vide item no 5.7.39.2 - Rate vide item no 5.7.39.1)/3	say, Rs.		40.50		Per K.M Per M3
5.7.39.3	Carriage of Filled E.C Bags by boat including loading, unloading and stacking with lead of 1/2 K.M.all complete as per approved design, specifications and direction of E/I					
	Unit :- Per % nos.					
	Taking Out put =600 nos.					
	Assuming Six trips per day by 40 quintal Capacity of boat Filled E.C Bags carried in each trip 100 nos filled E.C Bags					
	Total carried per day=6 x100=600 nos					
	Hire charge of 40 Qt Boat	1	Day	1696.00	1696	
	Unskilled mazdoor for loading and unloading	17	nos	242.00	4114.00	
					5810.00	
	Add Overhead charge & C.P@15%				871.50	
					6681.50	
	Add 1% Cess				66.82	
					6748.32	1124.72
	Say Rs			1124.70		Per % nos
5.7.40.1	Labour for filling empty cement bags with local sand, stitching the bags and placing including supply of sutli etc. all complete as per approved design, specifications and direction of E/I					
	Unit :-Per % nos					
	Taking Out put =100 nos					
	(a)For filling & stitching & stacking					
	Unskilled mazdoor for filling sand into bags and sewing	2	nos	242.00	484.00	
	Sutali	0.5	Kg	22.20	11.10	
					495.10	
	Add Overhead charge & C.P@15%				74.27	
					569.37	
	Add 1% Cess				5.69	
					575.06	

			say Rs	575.10	Per % nos	(a)
	(b) Labour rate for carrying & placing filled E.C.Bags					
	Unskilled mazdoor for carrying filled bags and placing to work site	3	nos	242.00	726.00	
	Add Overhead charge & C.P@15%				108.90	
					834.90	
	Add 1% Cess				8.35	
					843.25	
			say, Rs	843.20	Per % nos	(b)
	Total (a+b)			1418.30	Per % nos	
5.7.40.2	Labour for filling empty cement bags with local sand, stitching the bags and placing in Nylon crate of size (1 m x 1 m x 1 m) with a lead of 150 M including supply of sutli etc. at site in dry portion all complete as per approved design, specifications and direction of E/I					
	Unit :-Each N.C					
	Taking Out put =25 nos.filled E.C Bags in each N/C					
	Cost of 25 nos of filled E.C.Bag (vide item no 5.7.40.1)	25	nos	1418.30	354.58	354.58
			Say Rs	354.60	Each N.C	
5.7.40.3	Labour for filling empty cement bags with local sand, stitching the bags and placing in Nylon crate of size (1 m x 1 m x 1 m) with a lead of 150 M including supply of sutli etc.and placing the filled crates in water portion within a lead 30 M , all complete as per approved design, specifications and direction of E/I					
	Unit :-Each N.C					
	(i) Labour Cost for filling bags in one Nylon crate in dry portion (vide item no 5.7.40.2)	1	nos	354.60	354.60	(i)
	(ii).Placing of filled N/C with 30 m lead in water Portion					
	a. Skilled mazdoor	1	No	307.00	307.00	
	b.Unskilled mazdoor	1	No	242.00	242.00	
	c. Mate	0.37	No	266.00	98.42	
					647.42	
	Add Overhead charge & C.P@15%				97.11	
					744.53	
	Add 1% Cess				7.45	
	Hence, Total Labour for 100cft				751.98	
	Taking one E.C.bags to contain 1.20 cft of Sand					
	Hence, labour rate for placing one filled N.C	225.59			225.59	(ii)
	Hence rate Per Nylon crate in water Portion(i+ii)				580.19	580.19
		Say	Rs	580.20	Each	

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5.7.41	Labour charge for taking out disturbed boulder from boulder pitching or riprap or rock toe etc. and cleaning the surface and stacking the same within a lead of 100 metre as per approved design, specifications and direction of E/I						
	Unit :-Per Cum						
	Taking Out put =2.832 Cum						
	Labour						
	Unskilled mazdoor for picking and carrying	2.5	nos	242.00	605.00		
	Unskilled mazdoor for making stacking	0.5	nos	242.00	121.00		
					726.00		
	Add Overhead charge & C.P@15%				108.90		
					834.90		
	Add 1% Cess				8.35		
					843.25	297.76	
	Say Rs			297.80	Per M ³		
5.7.42	Labour charge for loading boulder and dumping etc. with all lead and lifts as per specifications and direction of E/I						
	Unit :-Per Cum						
	Taking Out put =2.832 Cum						
	Labour						
	Unskilled mazdoor for carriage and dumping boulder	3	nos	242.00	726.00		
	Add Overhead charge & C.P@15%				108.90		
					834.90		
	Add 1% Cess				8.35		
					843.25	297.76	
	Say Rs			297.80	Per M ³		
5.7.43	Labour rate for fitting and fixing sal ballah runner in vertical ballah in river bed or canal bed including cost of nails complete job as per specifications and direction of E/I						
	Unit :-Per M						
	Taking Out put =30.48 M						
	Materials						
	Cost of nails or spikes	5	Kg	64.41	322.05		
	Labour						
	Carpenter Gr II	1	nos	295.00	295.00		
	Unskilled mazdoor	1	nos	242.00	242.00		
					859.05		
	Add Overhead charge & C.P@15%				128.86		
					987.91		
	Add 1% Cess				9.88		
					997.79	32.74	
	Say Rs			32.70	Per M		
5.7.44	Earth work in cutting and making slope in all kinds of soil with all leads and lifts as per specifications and direction of E/I						
	Unit :-Per Cum						
	Taking Out put =28.32 Cum						

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	Labour					
	Unskilled mazdoor for cutting earth	4	nos	242.00	968.00	
	Unskilled mazdoor for carrying earth and clod breaking and rough dressing of slope	3	nos	242.00	726.00	
	Mate	0.125	nos	266.00	33.25	
					1727.25	
	Add Overhead charge & C.P@15%				259.09	
					1986.34	
	Add 1% Cess				19.86	
					2006.20	70.84
	Say Rs			70.80	Per M ³	
5.7.45.1	Providing and Laying of a Geo-textile filter between pitching and embankment slopes on which pitching is laid to prevent escape of the embankment materials through the voids of the stone pitching/cement concrete block as well as to allow free movement of water without creating any uplift head on the pitching as per specifications and direction of E/I					
	Vide T.E.C. letter no 48 (e) dated 10.05.04					
	Unit :-Per Sqm					
	Taking Out put =10.0 Sqm					
	Material					
	Permeable synthetic Geotextile including 5 % for overlap and wastage	10.50	Sqm	43.80	459.90	
	Labour					
	Mate	0.02	nos	266.00	5.32	
	Unskilled mazdoor	0.30	nos	242.00	72.60	
	Skilled mazdoor	0.10	nos	307.00	30.70	
					568.52	
	Add Overhead charge & C.P@15%				85.28	
					653.80	
	Add 1% Cess				6.54	
					660.34	66.03
	Say Rs			66.00	Per M ²	
5.7.45.2	Laying of a Geo-textile filter between pitching and embankment slopes on which pitching is laid to prevent escape of the embankment materials through the voids of the stone pitching/cement concrete block as well as to allow free movement of water without creating any uplift head on the pitching as per specifications and direction of E/I					
	Unit :-Per Sqm					
	Taking Out put =10.0 Sqm					
	Mate	0.02	nos	266.00	5.32	
	Unskilled mazdoor	0.30	nos	242.00	72.60	
	Skilled mazdoor	0.10	nos	307.00	30.70	
					108.62	
	Add Overhead charge & C.P@15%				16.29	
					124.91	
	Add 1% Cess				1.25	

					126.16	12.62
		Say Rs		12.60	Per M ²	
7.46(a)	Supplying and Placing bamboo roll each roll of 4 nos uncleaned full bamboo 75 mm dia 6 m to 8 m long at site binding properly each other in bunch with Annealed wire 20 to 25 SWG at least at three places along its length, 3 nos loads filled with boulder in empty cement bags and tying it with B.A. Wire 8 to 10 SWG launching in river and placing in position and tying the bamboo roll at one end at least 15 M away from river bank to bamboo post , including Piling of bamboo post ,including all taxes and royalty etc and carriage of all materials at site all complete job as per specifications and direction of E/I					
	Unit :- Each					
	Materials					
	Bamboo 75 mm dia 6 m to 8 m long	4.25	Nos	142.00	603.50	
	Annealed wire 20 to 25 SWG	0.5	Kg	60.50	30.25	
	B.A.Wire 8 to 10 SWG	1.125	Kg	#VALUE!	#VALUE!	Departmental
	E.C.bags	3	Nos	2.70	8.10	
	Boulder spall Taking compact volume 0.75 cft per bags	0.064	Cum	222.45	14.24	
	Labour					
	Unskilled labour for Tying and Placing etc.	0.5		242.00	121.00	
	Unskilled Laour for filling E.C.Bags	0.06		242.00	14.52	
	Add Overhead charge & C.P@15%				#VALUE!	
	Add 1% Cess				#VALUE!	
					#VALUE!	#VALUE!
	Say Rs			#VALUE!	Each	
7.46(b)	Supplying and Placing bamboo roll each roll of 4 nos uncleaned full bamboo 75 mm dia 6 m to 8 m long at site binding properly each other in bunch with Annealed wire 20 to 25 at least at three places along its length, 3 nos loads filled with brick(100B) in empty cement bags and tying it with B.A. Wire 8 to 10 SWG launching in river and placing in position and tying the bamboo roll at one end at least 15 M away from river bank to bamboo post , including Piling of bamboo post ,including all taxes and royalty etc and carriage of all materials at site all complete job as per specifications and direction of E/I					
	Unit :- Each					
	Materials					
	Bamboo 75 mm dia 6 m to 8 m long	4.25	Nos	142.00	603.50	
	Annealed wire 20 to 25 SWG	0.5	Kg	60.50	30.25	
	B.A.Wire 8 to 10 SWG	1.125	Kg	#VALUE!	#VALUE!	Departmental
	F.C.bags	3	Nos	2.7	8.10	
	Brick (100 B)	30	Nos	6.70	201.00	


	Labour					
	Unskilled labour for Tying and Placing etc.	0.5	Cum	242.00	121.00	
	Unskilled Labour for filling E.C.Bags	0.06	Cum	242.00	14.52	
	Add Overhead charge & C.P@15%				#VALUE!	
					#VALUE!	
	Add 1% Cess				#VALUE!	
					#VALUE!	#VALUE!
	Say Rs			#VALUE!	Each	
5.7.46(c)	Supplying and Placing bamboo roll each roll of 4 nos uncleaned full bamboo 75 mm dia 6 m to 8 m long at site binding properly each other in bunch with Annealed wire 20 to 25 SWG at least at three places along its length, 3 nos loads filled with Local sand in empty cement bags and tying it with G.I .Wire 8 to 10 SWG launching in river and placing in position and tying the bamboo roll at one end at least 15 M away from river bank to bamboo post , including Piling, including Piling of bamboo post ,including all taxes and royalty etc and carriage of all materials at site all complete job as per specifications and direction of E/I					
	Unit :-Each					
	Assuming one nos of bamboo roll					
	Materials					
	Bamboo 75 mm dia 6 m to 8 m long	4.25	Nos	142.00	603.50	
	Annealed wire 20 to 25 SWG	0.5	Kg	60.50	30.25	
	B.A.Wire 8 to 10 SWG	1.125	Kg	INPUT	#VALUE!	Departmental
	E.C.bags	3	Nos	2.70	8.10	
	Local sand					
	Taking compact volume 0.75 cft per bags	0.06	Cum	122.80	7.37	
	Labour					
	Unskilled labour for Tying and Placing etc.	0.5	Nos	242.00	121.00	
	Unskilled Labour for filling E.C.Bags	0.06	Nos	242.00	14.52	
	Add Overhead charge & C.P@15%				#VALUE!	
					#VALUE!	
	Add 1% Cess				#VALUE!	
					#VALUE!	#VALUE!
	Say Rs			#VALUE!	Each	
.7.47(a)	Supplying making and Placing in position Tree branches and Jhankhi covering over all space of about of 2.832 M ³ providing 3 nos of loads by filling Boulder spall in E.C bags, tying with 20 to 25 SWG Annealed wire to the tree spur and anchoring the same with B.A .Wire 8 to 10 SWG to the bamboo post at least 15 M away from the river bank, including Piling of bamboo post ,including all taxes and royalty etc and carriage of all materials at site all complete job as per specifications and direction of E/I					
	Unit :- Each					

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	Assuming 10 nos Tree branches					
	Materials					
	Cost of Tree branches of dia150 mm to 200 mm and 3 M to 4.5 M long with jhankhi covering the space of 100 cft in volume	10	Nos	#VALUE!	#VALUE!	
	Bamboo 75 mm dia 6 m to 8 m long	3.25	Nos	142.00	461.50	
	Annealed wire 20 to 25 SWG	1.5	Kg	60.50	90.75	
	B.A.Wire 8 to 10 SWG	11.25	Kg	INPUT	#VALUE!	Departmental
	E.C.bags	30	Nos	2.70	81.00	
	Boulder spall (compact volume)	0.64	Cum	222.45	142.37	
	Labour					
	Unskilled labour for Tying and Placing etc.	5	nos	242.00	1210.00	
	Unskilled Labour for filling E.C.Bags	0.6	nos	242.00	145.20	
					#VALUE!	
	Add Overhead charge & C.P@15%				#VALUE!	
					#VALUE!	
	Add 1% Cess				#VALUE!	
					#VALUE!	#VALUE!
	Say Rs			#VALUE!	Each	
.7.47(b)	Supplying making and Placing in position Tree branches and Jhankhi covering over all space of about of 2.832 M ³ providing 3 nos of loads by filling Bricks (100B)in E.C bags, tying with 20 to 25 SWG Annealed wire to the tree spur and anchoring the same with B.A .Wire 8 to 10 SWG to the bamboo post at least 15 M away from the river bank, including Piling of bamboo post ,including all taxes and royalty etc and carriage of all materials at site all complete job as per specifications and direction of E/I					
	Unit :- Each					
	Assuming 10 nos Tree branches					
	Materials					
	Cost of Tree branches of dia150 mm to 200 mm and 3 M to 4.5 M long with jhankhi covering the space of 100 cft in volume	10	Nos	INPUT	#VALUE!	
	Bamboo 75 mm dia 6 m to 8 m long	3.25	Nos	142.00	461.50	
	Annealed wire 20 to 25 SWG	1.5	Kg	60.50	90.75	
	B.A.Wire 8 to 10 SWG	11.3	Kg	INPUT	#VALUE!	Departmental
	E.C.bags	30	Nos	2.70	81.00	
	Bricks(100B)	300	Nos	6.70	2010.00	
	Labour					
	Unskilled labour for Tying and Placing etc.	5		242.00	1210.00	
	Unskilled Labour for filling E.C.Bags	0.6		242.00	145.20	
					#VALUE!	
	Add Overhead charge & C.P@15%				#VALUE!	
					#VALUE!	
	Add 1% Cess				#VALUE!	
					#VALUE!	#VALUE!
				#VALUE!	Each	

Handwritten signatures and marks:
 6 32

5.7.47(c)	Supplying making and Placing in position Tree branches and Jhankhi covering over all space of about of 2.832 M ³ providing 3 nos of loads by filling Local sand in E.C bags, tying with 20 to 25 SWG Annealed wire to the tree spur and anchoring the same with B.A .Wire 8 to 10 SWG to the bamboo post at least 15 M away from the river bank, including Piling of bamboo post ,including all taxes and royalty etc and carriage of all materials at site all complete job as per specifications and direction of E/I					
Unit :- Each						
Assuming 10 nos Tree branches						
Materials						
Cost of Tree branches of dia150 mm to 200 mm and 3 M to 4.5 M long with jhankhi covering the space of 100 cft in volume		10	Nos	INPUT	#VALUE!	
Bamboo 75 mm dia 6 m to 8 m long		3.25	Nos	142.00	461.50	
Annealed wire 20 to 25 SWG		1.5	Kg	60.50	90.75	
B.A.Wire 8 to 10 SWG		11.25	Kg	INPUT	#VALUE!	Departmental
E.C.bags		30	Nos	2.70	81.00	
Local sand						
Taking compact volume 0.75 cft per bags		0.64	Cum	122.80	78.59	
Labour						
Unskilled labour for Tying and Placing etc.		5		242.00	1210.00	
Unskilled Labour for filling E.C.Bags		0.6		242.00	145.20	
					#VALUE!	
Add Overhead charge & C.P@15%					#VALUE!	
					#VALUE!	
Add 1% Cess					#VALUE!	
					#VALUE!	#VALUE!
				#VALUE!	Each	
5.7.48	Providing , laying and filling Geo bags of size 1mx0.7m (Type A 300 GSM nonwoven) weight of bag 420 gm,volume of filled bag 0.07 cum, weight of filled Geo bag 126 kg with local sand including stitching in four lines by approved nylon thred with stitching machine and generator, stacking and placing in gabion of size 1.8mx1.8mx0.5m (18nos. Geo bags per gabion) after loading,unloading and carriage with the help of trolley within 150m lead including cess all complete as per specification and direction of E/I					
Unit Each bag						
A . Assuming out put of filling and stitching of 40 nos. of Geo Bags per day						
Materials						
Stiching Roll(Nylon)		2	nos	30.00	60.00	
Labour						
Unskilled labour for filling,stacking		2	nos	242.00	484.00	
Skilled labour for stacking		0.33	nos	307.00	101.31	
Unskilled labour for carrying and placing		4	nos	242.00	968.00	
Mate		0.25	nos	266.00	66.50	

	Machine					
	Hire charge of Stching Machine	0.33	day	50.00	16.50	
	Hire Charge of manual Trolley	1	day	50.00	50.00	
	Hire charge of 3 KVA Generator	2.67	hrs	74.00	197.58	
	Total				1943.89	
	Add Overhead charge & C.P@15%				291.58	
					2235.47	
	Add 1% Cess				22.35	
					2257.83	
	Rate per bag=Total/40				56.45	
	Cost of filling & stching of 18 nos of Geo bags	18	nos	56.45	1016.02	A
	B. Materials					
	Geo Bag	18	nos	66.50	1197.00	
	Gabion	1	nos	1918.00	1918.00	
	Total				3115.00	
	Add Overhead charge & C.P@15%				467.25	
					3582.25	
	Add 1% cess				35.82	
					3618.07	B
	Total(A+B)				4634.10	
	Rate			Say,Rs	4634.00	Each
5.7.49	Supply of New bag and N.C with labour for filling New E.C bag with local sand (volume of filled bag 1.2 cft and weight 50kg),stching on two lines by approved nylon thread with stching machine & generator,Stacking the bags and placing in Nylon crate of size (1mx1mx1m) with a lead of 150m including supply of nylon threads etc , placing the filled crates in water portion within a lead of 30m,all complete as per approved design,specification and direction of E/I.					
	Unit- Each Bag					
	Taking output 100 nos. filled New bags in 4 nos N.C.					
	Material					
	New bag (volume of filled bag 1.2 cft)	100	each	15.00	1500.00	
	Nylon Crate(N.C)	4	each	37.00	148.00	
					1648.00	
	Add Overhead charge &C.P @15%				247.20	
					1895.20	
	Add 1% cess				18.95	
					1914.15	
	Rate of material per N.C.(25 bags per N.C)				478.54	A
	Labour					
	Unskilled mazdoor for filling sand,stching&	1.67	nos	242.00	404.14	
	Unskilled labour for carrying and placing	3	nos	242.00	726.00	
	Skilled labour for stching	0.33	nos	307.00	101.31	
	Material for stching					
	Stching Roll(Nylon)	2	nos	30.00	60.00	

	Hire charge of Machine					
	Hire charge of Stching Machine	0.33	day	50.00	16.50	
	Hire charge of generator 3KVA	2.67	hrs	74.00	197.58	
					1505.53	
	Add Overhead charge &C.P @15%				225.83	
					1731.36	
	Add 1% cess				17.31	
					1748.67	
	Rate per Each N.C				437.17	(i)
	Placing of filled N.C. with 30m lead in water portion					
	Skilled Labour	1	nos	307.00	307.00	
	Unskilled labour	1	nos	242.00	242.00	
	Mate	0.37	nos	266.00	98.42	
					647.42	
	Add Overhead charge &C.P @15%				97.11	
					744.53	
	Add 1% cess				7.45	
					751.98	V
	Taking one E.C.bag to contain 1.2 cft of sand,hence rate for 100 nos. of bags($V*120/100*4$)				225.59	(ii)
	Rate for N.C in water Portion (i+ii)				662.76	B
	Hence, finish rate of N.C in water portion(A+B)				1141.30	
				Say,Rs	1141.30	
5.7.50	Providing,laying & filling Geo bags of size 1mX0.7m (Type A 300GSM nonwoven) Weight 420gm,volume of filled bag 0.07 cum,weight of filledf Geo bag 126kg with local sand including stiching in four lines by approved Nylon thread with stiching machine and generator,stacking and placing after loading,unloading and carriage with the help of Trolley within 150m lead and boat,including cess all complete as per specification and direction of E/I(where boat is used)					
	Unit Each bag					
	out put 40 nos bags					
	Labour					
	Unskilled labour for filling,stacking	2	nos	242.00	484.00	
	Skilled labour for Stacking	0.33	nos	307.00	101.31	
	Unskilled labour for carrying and placing	4	nos	242.00	968.00	
	Mate	0.25	nos	266.00	66.50	
	Stiching Roll(Nylon)	2	each	30.00	60.00	
	Hire charge of Stching Machine	0.33	day	50.00	16.50	
	Hire Charge of manual Trolley	1	day	50.00	50.00	
	Hire charge of generator 3KVA	2.67	hrs	74.00	197.58	
	Total				1943.89	

	Add Overhead charge &C.P @15%				291.58	
					2235.47	
	Add 1% cess				22.35	
					2257.83	
	Rate per bag (total/40)				56.45	A
	Charge for placing & dumping with the help of Powe boat of 40 Quintal					
	Out put per day - 256 nos bags carriage by Boat					
	Hire charge of 40 quintal Boat	1	day	1400.00	1400.00	
	Unskilled labour for loading,unloading & dumping	16	nos	242.00	3872.00	
	Mate	1	nos	266.00	266.00	
	Hire charge of Trolley	4	each	50.00	200.00	
					5738.00	
	Add Overhead charge &C.P @15%				860.70	
					6598.70	
	Add 1% cess				65.99	
					6664.69	
	Rate per bag (Total/256)				26.03	B
	Materials					
	Cost of Geo bag	1	each	66.50	66.50	
	Add Overhead charge &C.P @15%				9.98	
					76.48	
	Add 1% cess				0.76	
					77.24	C
	Total Cost (A+B+C)				159.72	
				Say, Rs	159.70	
5.7.51	Providing,laying & filling Geo bags of size 1mX0.7m (Type A 300GSM nonwoven) Weight 420gm,volume of filled bag 0.07 cum,weight of filledf Geo bag 126kg with local sand including stiching in four lines by approved Nylon thread with stiching machine and generator,stacking and placing in Nylon Crate of size 1.0mx1.0mx1.0m(6 nos. geo bag per N.C) after loading,unloading and carriage with the help of Trolly within 150m lead ,including cess, all complete as per specification and direction of E/I(where boat is used)					
	Out put - 40 nos bags					
	Labour					
	Unskilled labour for filling,stacking	2	nos	242.00	484.00	
	Skilled labour for stacking	0.33	nos	307.00	101.31	
	Unskilled labour for carrying and placing	4	nos	242.00	968.00	
	Mate	0.25	nos	266.00	66.50	
	Stiching roll(nylon)	2	each	30.00	60.00	
	Hire Charge of Stiching Machine	0.33	each	50.00	16.50	

	Hire Charge of manual Trolley	1	day	50.00	50.00	
	Hire charge of Generator 3KVA	2.67	hrs	74.00	197.58	
	Total				1943.89	
	Add Overhead charge &C.P @15%				291.58	
					2235.47	
	Add 1% cess				22.35	
					2257.83	
	Rate per bag (Total/40)				56.45	A
	Material					
	Cost of Geo bag	1	each	66.50	66.50	
	Add Overhead charge &C.P @15%				9.98	
					76.48	
	Add 1% cess				0.76	
					77.24	B
	Rate of Geo bag including filling ,stiching placing (A+B)				133.69	
	Rate of Geo bag including filling ,stiching placing per Nylon Crate	6	Each	133.69	802.11	C
	Material					
	Cost of Nylon Crate	1	Each	37.00	37.00	
	Add Overhead charge &C.P @15%				5.55	
					42.55	
	Add 1% cess				0.43	
					42.98	D
	Rate of N.C with Geo Bag(A+B+C)				845.09	
				say, Rs	845.10	
5.7.52	Supply of New bag and N.C with labour for filling New E.C bag with local sand (volume of filled bag 1.2 cft and weight 50kg),stiching on two lines by approved nylon thread with stiching machine & generator,Stacking the bags and placing in Nylon crate of size (1mx1mx1m) with a lead of 150m including supply of nylon threads etc , placing the filled crates in dry portion within a lead of 30m,all complete as per approved design,specification and direction of E/I.					
	Unit - Each bag					
	Taking output of 100 nos filled new bags in 4 nos N.C					
	Material					
	New E.C bag	100	nos	15.00	1500.00	
	Nylon Crate(N.C)	4	nos	37.00	148.00	
					1648.00	
	Add Overhead charge &C.P @15%				247.20	
					1895.20	
	Add 1% cess				18.95	
	Total				1914.15	

	Rate of material for each N.C(Totalx25/100)				478.54	A
	Labour					
	Unskilled labour for filling, stitching & stacking	1.67	nos	242.00	404.14	
	Unskilled labour for carrying & placing at work site	3	nos	242.00	726.00	
	Skilled labour for stitching	0.33	nos	307.00	101.31	
	Stitching Roll(Nylon)	2	nos	30.00	60.00	
	Hire Charge of Stitching Machine	0.33	day	50.00	16.50	
	Hire charge of Generator 3KVA	2.67	hrs	74.00	197.58	
					1505.53	
	Add Overhead charge & C.P @15%				225.83	
					1731.36	
	Add 1% cess				17.31	
	Total				1748.67	
	Rate for each N.C(Totalx25/100)				437.17	B
	Rate for each N.C in dry portion (A+B)				915.71	
				say, Rs	915.70	
5.7.53	Supply of New bag with labour for filling New E.C bag with local sand (volume of filled bag 1.2 cft and weight 50kg), stitching on two lines by approved nylon thread with stitching machine & generator, Stacking the bags and placing with a lead of 150m including supply of nylon threads etc ,all complete as per approved design, specification and direction of E/I.					
	Unit- Each bag					
	Taking output 100nos filled new bags					
	Material					
	New E.C.Bag	100	nos	15.00	1500.00	
	Stitching Roll(Nylon)	2	nos	30.00	60.00	
					1560.00	A
	Labour					
	Unskilled labour for filling, stacking	1.67	nos	242.00	404.14	
	Unskilled labour for carrying & placing at work site	3	nos	242.00	726.00	
	Skilled labour for stitching	0.33	nos	307.00	101.31	
					1231.45	B
	Hire Charge of Machine					
	Hire Charge of Stitching Machine	0.33	day	50.00	16.50	
	Hire charge of Generator 3KVA	2.67	hrs	74.00	197.58	
					214.08	C
	Total (A+B+C)				3005.53	
	Add Overhead charge & C.P @15%				450.83	
					3456.36	
	Add 1% cess				34.56	
	Rate for 100 nos. N.C (A+B+C)				3490.92	
	Rate per N.C				34.91	
				say, Rs	34.90	

5.7.54	Providing,laying & filling Geo bags of size 1mX0.7m (Type A 300GSM nonwoven) Weight 420gm,volume of filled bag 0.07 cum,weight of filledf Geo bag 126kg with local sand including stitching in four lines by approved Nylon thread with stitching machine and generator,stacking and placing after loading,unloading and carriage with the help of Trolley within 150m lead ,including cess, all complete as per specification and direction of E/I.					
	Unit- Each Bag					
	Taking output of 40 nos Geo bags					
	Material					
	Geo bag	40	nos	66.50	2660.00	
	Stiching roll(nylon)	2	nos	30.00	60.00	
	Labour					
	Unskilled labour for filling,stacking	2	nos	242.00	484.00	
	Unskilled labour for crrying &placing at work site	4	nos	242.00	968.00	
	Skilled labour for stitching	0.33	nos	307.00	101.31	
	Mate	0.25	nos	266.00	66.50	
	Hire Charge of Machine					
	Hire Charge of Stiching Machine	0.33	nos	50.00	16.50	
	Hire Charge of manual Trolley	1	day	50.00	50.00	
	Hire charge of Generator 3KVA	2.67	hrs	74.00	197.58	
	Total				4603.89	
	Add Overhead charge &C.P @15%				690.58	
					5294.47	
	Add 1% cess				52.94	
					5347.42	
	Rate per geo Bag				133.69	
				say,Rs	133.70	

Sr.No.	Item	Rate	Unit
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5.8 MISCELLANEOUS

Sr.No.	Item	Rate	Unit
5.8.1	Supplying, fitting and fixing copper strip of 16 gauge of approved quality (with 90 % purity) in expansion joints all complete as per approved design, specifications and direction of E/I	982.10	Per KG
5.8.2	Supplying, fitting and fixing rubber seal of (water stop) of approved quality for construction joints all complete as per approved design, specifications and direction of E/I.	#VALUE!	Per Mtr
5.8.3	Supplying, and fixing in position 25 mm thick Bituminous board (Shallitex or equivalent) in expansion or construction joint all complete as per approved design, specifications and direction of E/I	#VALUE!	Per M ²
5.8.4	Supplying, and fixing (Bitumen, cement and sand) in construction joints all complete as per approved design, specifications and direction of E/I		
	Patna Urban	175.70	cm width/ cm depth/ 100 M length
	Patna	175.70	
	Muzaffarpur	175.70	
	Darbhanga	175.70	
	Bhagalpur	175.60	
	Munger	175.60	
	Saharsa	175.70	
	Purnea	175.70	
	Gaya	175.30	
	Saran	175.60	
5.8.5.1	Providing and driving steel sheet piles on specified alignment and up to designed level including painting the sheet piles with two coats of anti corrosive bitumen paint (portion of sheet pile inside concrete shall not be painted) including cost of sheet piles and hire charge of sheet pile, driving plant etc as per approved design, specifications and direction of E/I (For the purpose of payment of sheet pile driving measurement of sheet pile dully driven shall be taken only)	#VALUE!	Per M.T
5.8.5.2	Labour rate for extracting steel sheet piles on specified alignment with hire charges of sheet pile driving plant etc. all complete as per specifications and direction of E/I .(For the purpose of payment of sheet pile extracting, measurement of sheet pile duly extracted shall be taken only)	#VALUE!	Per M.T
5.8.6(a)	Providing weep holes with dry graded stone single filter of 20 mm to 40 mm size in abutment and wing wall as per specification and direction of E/I	69.50	Each
5.8.6(b)	Providing weep holes with dry graded Jhama metal filter of 20 mm to 40 mm size in abutment and wing wall as per specification and direction of E/I		
	Patna Urban	265.20	Each
	Patna	257.20	Each
	Muzzaffarpur	246.80	Each
	Darbhanga	254.20	Each
	Bhagalpur	254.20	Each
	Munger	254.20	Each
	Saharsa	254.20	Each
	Purnea	254.20	Each
	Gaya	246.80	Each
	Saran	246.80	Each
5.8.7	Dismantling pucca brick or lime work including stacking serviceable materials in countable stacks within 15 Meter lead and disposal of unserviceable materials with all leads. as per building specifications and direction of E/I.	401.10	Per M ³

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Sr.No.	Item	Rate	Unit
5.8.8	Dismantling plain cement or lime concrete work including stacking serviceable materials in stacks within 15 Meter lead and disposal of unserviceable materials with all leads. as per building specifications and direction of E/I.	707.10	Per M ³
5.8.9	Dismantling R.C.C work including stacking serviceable materials in stacks within 15 Meter lead and disposal of unserviceable materials with all leads as per building specifications and direction of E/I.	1446.20	Per M ³
5.8.10	Dismantling old plaster and pointing in cement or lime and raking out joints to 15 mm. depth, watering and disposal of unserviceable materials with all leads as per building specifications and direction of E/I.	15.90	Per M ²



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5.8 MISCELLANEOUS

SI.No	Description	Quantity	Unit	Rate	Amount	Ref.
5.8.1	Supplying, fitting and fixing copper strip of 16 gauge of approved quality (with 99 % purity) in expansion joints complete job as per drawing, specifications and direction of E/I.					
	Unit:-Per Kg					
	Furnishing and installing seal					
	A. Cost of copper seal and accessories					
	Size of copper seal 250 mm x 1.6 mm					
	weight per sq metre= 14.70 kg	14.7	kg			
	Weight of strips per linear metre Allowing 2.5 % for wastage and incidental to work)=0.25 x1x14.70 x1.025=3.77 kg.					
	i.Cost per linear metre.Including furnishing, storing, handling and cutting etc.	3.77	kg	815.10	3070.38	
	ii. Cost of bracing, washers and nails etc. per running metre @ 3 % of item (i)				92.11	
	Sub-Total				3162.49	
	B.Labour charge					
	Taking that 1/4 mason and 1 helper can place seal in one lift of 15 mtr in one shift.					
	Head mason.	0.25	nos	330.00	82.50	
	Helper	1	nos	258.00	258.00	
	Total labour charge				340.50	
	Total charge per mtr= total labour charge / 15				22.70	
	Total A+B				3185.19	
	Hence rate per kg =Total (A+B)/ wt. Of seal per mtr				845.58	
	Add Overhead charge & C.P@15%				126.84	
					972.42	
	Add 1% Cess				9.72	
					982.14	982.14
	Hence rate per kg of copper seal			982.10	Per kg	
5.8.2	Supplying, fitting and fixing rubber seal of (water stop) of approved quality for construction joints expansion joints complete job as per drawing, specifications and direction of E/I.					
	Unit:-Per M					
	Taking Out put =1 M					
	Cost of rubber seal	1	m	#VALUE!	#VALUE!	
	Add for overlapping and vulcanizing 10 % of the materials cost				#VALUE!	
					#VALUE!	
	Add Overhead charge & C.P@15%				#VALUE!	
					#VALUE!	
	Add 1% Cess				#VALUE!	
					#VALUE!	#VALUE!

	Hence rate per mtr of rubber seal			#VALUE!	Per mtr	
5.8.3	Supplying, and fixing in position 25 mm thick Bituminous board (Shalitex or equivalent) in expansion or construction joint in dam and its allied works all complete as per approved design, specifications and direction of E/I					
	Unit:-Per Sqm					
	Taking Out put =9.30 Sqm					
	Material					
	Bituminastic board	9.3	M ²	#VALUE!	#VALUE!	
	Shalitex primer	2.25	Kg	#VALUE!	#VALUE!	
	Labour					
	Mason Gr II	0.25	nos	295.00	73.75	
	Unskilled mazdoor	0.25	nos	242.00	60.50	
					#VALUE!	
	Add Overhead charge & C.P@15%				#VALUE!	
					#VALUE!	
	Add 1% Cess				#VALUE!	
					#VALUE!	#VALUE!
	Say		Rs	#VALUE!	Per M ²	
5.8.4	Supplying, and fixing Bitumen filter (Bitumen, cement and sand) in construction joints in dam and its allied works all complete as per approved design, specifications and direction of E/I					
	Unit:- Per cm width per cm depth per 100M					
	Consider a joint =2.5 cm wide 15 cm deep and 292.75 metre in length					
	Hence cubical contents of a joint 292.75 x 0.15 x 0.025 =1.1 cum					
	Material					
	Bitumen	0.282	M.T	43079.37	12148.38	
	Cement	0.088	Cum	9118.00	802.38	
	Coarse sand	0.0283	Cum	145.20	4.11	
	Steam coal @ 2 quintal / M.T(including carriage	0.58	Qnt	416.22	241.41	
	Labour					
	Mason Gr II	5	nos	295.00	1475.00	
	Unskilled mazdoor	8	nos	242.00	1936.00	
					16607.28	
	Add Overhead charge & C.P@15%				2491.09	
					19098.38	
	Add 1% Cess				190.98	
					19289.36	175.71
	Rate per cm width per cm depth per 100M				175.70	
5.8.5.1	Providing and driving steel sheet piles on specified alignment and upto designed levels including painting the sheet piles with two coats of anti-corrosive bitumen paint (portion of sheet pile inside concrete shell not be painted) including cost of sheet piles and hire charges of sheet pile driving plant etc. all complete as per specifications and direction of E/I . (For the purpose of payment of sheet pile driving, measurement of sheet pile duly driven shall be taken only)					

	Unit:-Per M					
	Assuming pilling that can be expected to be driven per hour= 65.37 x 6.70= 437.98 Kg (Assuming I.S.P.S. 1625 U& pilling section vide I.S. 2314, 1963)					
	Hourly use rate of sheet pile					
A.	Material					
	Cost of Sheet Pile with 10 % wastage	1.1	M.T	#VALUE!	#VALUE!	
	Sheet pile Driving plant	#VALUE!				
B.	(i). Cost of driving pile per M.T =(x)x1000 / 437.98	#VALUE!		Rs	#VALUE!	
	(ii). Shifting of 3 to 4 nos of pile per M.T at the place ready for driving @ 1.5 % of Sub item (i)			Rs	#VALUE!	
	(iii). Erecting pilling machines and dismantling @ 0.5 % of sub item (i)			Rs	#VALUE!	
	(iv). Depreciation charges for track fand wooden sleeper, fish plates, bolts dog spikes @ 0.5 % of sub item (i)			Rs	#VALUE!	
	(v). Depreciation charges for supply of rails @ 1 % of sub item (i)			Rs	#VALUE!	
	(vi). Welding piles 3 to 4 nos @ 8 % of sub item b(i)			Rs	#VALUE!	
	(vii). Cutting piles 2 to 4 nos @ 2 % of sub item (i)			Rs	#VALUE!	
	(viii). Driving hole 3 to 4 nos @ 0.5 % of sub item (i)			Rs	#VALUE!	
	(ix). Carriage of sheet piles 1 M.T. @ 2 % of sub item (i)			Rs	#VALUE!	
C.	Surface area of 1 M.T. sheet piles to be painted both side with anti-corrosive bitumen, paint					
	Length of sheet pile per M.T=1 x 1000 / 65.37 = 15.29 m					
	Area of both side of sheet piles=15.29 x 1.71 =24.62 sqm					
	Surface of sheet piles to be painted with two coats of bitumen (Assuming 0.5 Kg / M ² =24.62 x 0.5 =	12.31	Kg	43.08	530.31	
D.	Unskilled mazdoor	2	nos	242.00	484.00	
	Total (A+B+C+D)				#VALUE!	
	Add Overhead charge & C.P.@15%				#VALUE!	
					#VALUE!	
	Add 1% Cess				#VALUE!	
					#VALUE!	#VALUE!
	Say		Rs	#VALUE!	Per M.T	
5.8.5.2	Labour rate for extracting steel sheet piles on specified alignment with hire charges of sheet pile driving plant etc. all complete as per specifications and direction of E/I . (For the purpose of payment of sheet pile extracting, measurement of sheet pile duly extracted shall be taken only)					
	Unit:-Per M					
	Assuming pilling that can be expected to be extracting					
	per hour= 65.37 x 6.70= 437.98 Kg					
	(Assuming I.S.P.S. 1625 U& pilling section vide I.S. 2314, 1963)					

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	Hourly use rate of sheet pile					
	Sheet pile Driving plant	#####				
A.	(i) Cost of Extracting pile per M.T =(x)x1000 / 437.98			Rs	#VALUE!	
	(ii) Shifting of 3 to 4 nos of pile per M.T at the place ready for driving @ 1.5 % of Sub item (i)			Rs	#VALUE!	
	(iii) Erecting piling machines and dismantling @ 0.5 % of sub item (i)			Rs	#VALUE!	
	(iv) Depreciation charges for track fand wooden sleeper, fish plates, bolts dog spikes @ 0.5% of sub item (i)			Rs	#VALUE!	
	(v). Depreciation charges for supply of rails @ 1 % of sub item (i)			Rs	#VALUE!	
	(vi) Welding piles 3 to 4 nos @ 8 % of sub item b(i)			Rs	#VALUE!	
	(vii) Cutting piles 2 to 4 nos @ 2 % of sub item (i)			Rs	#VALUE!	
	(viii) Driving hole 3 to 4 nos @ 0.5 % of sub item (i)			Rs	#VALUE!	
	(ix) Carriage of sheet piles 1 M.T. @ 2 % of sub item (i)			Rs	#VALUE!	
B.	Unskilled mazdoor	2	nos	242.00	484.00	
	Total (A+B)				#VALUE!	
	Add Overhead charge & C.P@15%				#VALUE!	
					#VALUE!	
	Add 1% Cess				#VALUE!	
					#VALUE!	#VALUE!
	Say			Rs	#VALUE!	Per M
5.8.6(a)	Providing weep holes with dry graded Stone metal filter of 20 mm to 40 mm siz in abutment and wing wall as per specification and direction of E/I					
	Unit :-Each					
	Stone metal filter 20 mm to 40 mm	0.113	M ³	441.00	49.83	
	Fitting and cost of Wire netting @ 20% of above				9.97	
					59.80	
	Add Overhead charge & C.P@15%				8.97	
					68.77	
	Add 1% Cess				0.69	
					69.46	69.46
	Say			Rs	69.50	Each
5.8.6(b)	Providing weep holes with dry graded Jhama metal filter of 20 mm to 40 mm siz in abutment and wing wall as per specification and direction of E/I					
	Unit :-Each					
	Jhama metal filter 20 mm to 40 mm	0.113	M ³	1684.00	190.29	
	Fitting and cost of Wire netting @ 20% of above				38.06	
					228.35	
	Add Overhead charge & C.P@15%				34.25	
					262.60	
	Add 1% Cess				2.63	
					265.23	
	Say			Rs	265.20	Each

5.8.7	Dismantling pucca brick or lime work including stacking serviceable materials in countable stacks within 15 Metre lead and disposal of unserviceable materials with all leads. as per building specifications and direction of E/I.					
	Unit :-Per Cum					
	Taking Out put =2.832 Cum					
	Semi skilled mazdoor	1	nos	252.00	252.00	
	Unskilled mazdoor	3	nos	242.00	726.00	
					978.00	
	Add Overhead charge & C.P@15%				146.70	
					1124.70	
	Add 1% Cess				11.25	
					1135.95	401.11
	Say Rs			401.10	Per M ³	
5.8.8	Dismantling plain cement or lime concrete work including stacking serviceable materials in stacks within 15 Metre lead and disposal of unserviceable materials with all leads. as per building specifications and direction of E/I.					
	Unit :-Per Cum	Per M ³				
	Taking Out put =2.832 Cum	2.832	Cum			
	Semi skilled mazdoor	3	nos	252.00	756.00	
	Unskilled mazdoor	4	nos	242.00	968.00	
					1724.00	
	Add Overhead charge & C.P@15%				258.60	
					1982.60	
	Add 1% Cess				19.83	
					2002.43	707.07
	Say Rs			707.10	Per M ³	
5.8.9	Dismantling R.C.C work including stacking serviceable materials in stacks within 15 Metre lead and disposal of unserviceable materials with all leads. as per building specifications and direction of E/I.					
	Unit :-Per Cum					
	Taking Out put =2.832 Cum					
	Hammer man	2.25	nos	258.00	580.50	
	Skilled mazdoor	2.25	nos	307.00	690.75	
	Unskilled mazdoor	7	nos	242.00	1694.00	
	Blacksmith Gr II	1	nos	295.00	295.00	
	Mate	1	nos	266.00	266.00	
					3526.25	
	Add Overhead charge & C.P@15%				528.94	
					4055.19	
	Add 1% Cess				40.55	
					4095.74	1,446.24
	Say Rs			1446.20	Per M ³	

5.8.10	Dismantling old plaster and pointing in cement or lime and raking out joints to 15 mm. depth, watering and disposal of unserviceable materials with all leads. as per building specifications and direction of E/I.					
	Unit :-Per Sqm					
	Taking Out put =9.30 Sqm					
	Semi skilled mazdoor	0.35	nos	252.00	88.20	
	Unskilled mazdoor	0.10	nos	242.00	24.20	
	Bhisti	0.06	nos	243.00	14.58	
					126.98	
	Add Overhead charge & C.P@15%				19.05	
					146.03	
	Add 1% Cess				1.46	
					147.49	15.86
	Say Rs			15.90	Per M ²	



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Sr.No.	Item	Rate	Unit
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CHAPTER VI

BARRAGE AND WEIR

6.1 EARTH WORK

Sr.No.	Item	Rate	Unit
6.1.1	Cutting of trees along with branches and their removal away from the work site and stacking the same as per specifications and direction of E/I. (Measurement of girth at a height of one meter above the ground level)		
	(a) Girth above 0.50 meter but up to 0.75 meter	226.20	Each
	(b) Girth above 0.75 meter but upto 1.50 meter	452.40	Each
	(c) Girth above 1.5 meter but upto 2.50 meter	819.10	Each
	(d) Girth above 2.50 meter but up to 4.00 meter	1326.40	Each
	(e) Girth above 4.00 meter	1919.40	Each
6.1.2	Uprooting of stumps and their removal ,away from the work site as per specifications and direction of E/I.		
	(a) Girth above 0.50 meter but up to 0.75 meter	140.50	Each
	(b) Girth above 0.75 meter but up to 1.50 meter	140.50	Each
	(c) Girth above 1.5 meter but upto 2.50 meter	187.40	Each
	(d) Girth above 2.50 meter but up to 4.00 meter	281.10	Each
	(e) Girth above 4.00 meter	351.40	Each
6.1.3.1	Preparation of borrow areas by removing the grass and the jungle, bushes from the top before excavation as per specifications and direction of E/I.	2.30	Per M ²
6.1.3.2	Jungle clearance and weeding out shrubs including small tree up to 0.50 mtr girth and removal as per specifications and direction of E/I.	6.80	Per M ²
6.1.4	Removal of stone boulder of more than 300 mm size from alignment of the dam and stacking the same (beyond 50 M away from Toe of the dam base in the country side) within initial lead of 150 M as per specifications and direction of E/I.	89.30	Per M ³
6.1.5	Earth work in stripping in all kinds of soil including moorum soil, soil mixed with kanker, pebbles, and boulder up to 300 mm size and disposal of the same along with all organic materials (beyond 50 M away from Toe of the dam base in the country side) with initial lead of 150 M and all lifts as per specifications and direction of E/I.	166.50	Per M ³
6.1.6	Earth work in stripping in all kinds of soil including moorum soil, soil mixed with kanker, pebbles, and boulder up to 300 mm size and disposal of the same along with all organic materials in country side beyond initial lead of 150 mtr but within 1.00 K.M and all lifts by Tipper including loading, unloading and maintenance of haul roads as per specifications and direction of E/I.	306.70	Per M ³
6.1.7	Earth work in stripping in all kinds of soil including moorum soil, soil mixed with kanker, pebbles, and boulder up to 300 mm size and disposal of the same along with all organic materials in country side beyond 1.00 K.M but up to 2 K.M away with all lifts by Tipper including loading, unloading and maintenance of haul roads as per specifications and direction of E/I.	329.20	Per M ³
6.1.8	Earth work in excavation of foundation trenches in ordinary soil (vide classification of soil item A) and disposal of excavated earth so obtained (50 m away from the edge of the trench) with initial lead of 150 M and initial lifts of 1.5 M all complete as per specifications and direction of E/I.	132.40	Per M ³

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