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Sl. No.	Description	Unit	Quantity	As per Estimate		M/s. Enmar Project Contractors India Pvt. Ltd. Ernakulam		Negotiated Rate	
				Rate	Amount	Rate	Amount	Rate	Amount
1.07	Reinforcement for pre-cast concrete work including straightening, cutting, bending, placing in position and binding all complete HYSD bars.								
1.08	Centering & Shuttering for casting of pre-cast piles & slabs including strutting, propping and removal of	Kg	27602.77	112.42	3103103.40	105.00	2898290.85	105.00	2898290.85
1.09	Provide and bring to the site necessary plant equipment for driving 300mm x 300mm square pre-cast vertical	No.	1254.45	386.15	484405.87	340.00	426513.00	340.00	426513.00
1.10	Extra for driving of pre-cast pile of size 300 x 300 mm at the location as certified by EJC including all labour with	Nb.	2.00	96190.00	192380.00	125000.00	250000.00	120000.00	240000.00
1.11	Extra for shifting of pile driving equipment from one pile	M	1134.00	433.00	491022.00	405.00	459270.00	405.00	459270.00
1.12	Supplying and fixing steel plates of size 100 x 100 x 8 mm to be fixed at each pile location for support of Anchor as per directions of E-I-C. The rate shall include cost of steel plates, cutting into required size, welding	No.	126.00	2405.00	303030.00	2300.00	289800.00	2300.00	289800.00
1.13	Extra for providing and fixing 32mm dia Anchor rod for length 3.0 m as shown in drawing including cost of materials like washers, nuts etc., threading of rod upto a length of 20cm, applying of one coat of metallic primer and two coats of black bituminous paint and all labour etc. complete.	No	126.00	1115.00	14490.00	115.00	14490.00	115.00	14490.00
1.14	Supply and placing in position in geo-textile as per specification or equivalent filter behind vertical slabs and piles or below revetment as per the approved specification and drawings and any other place as directed by the Engineer including over lapping sticking, stretching with all lead and lift labour, T & P floating crafts, divers, etc. complete.	Kg	2438.96	178.43	435183.63	150.00	365844.00	150.00	365844.00
1.15	Procuring and applying of black bituminous paint to the piles before driving above the bed level as directed by the Engineer, including cost of all material labour etc. complete.	M ²	1260.00	298.00	375480.00	415.00	522900.00	400.00	504000.00
1.16	Procuring and applying of black bituminous paint to the slabs before placing in positional as directed by the	M ²	1360.80	144.33	196404.26	135.00	183708.00	135.00	183708.00
1.17	Scour protection by placing of PVC Coated wire Gabions of size 1.60 x 1.00 x 0.75 filled with granite stones of 15 to 30 kg in front of Pile & slab protection including all tools & plants labour etc., complete.	M ²	2205.00	144.33	318247.65	155.00	341775.00	150.00	330750.00
		Nbs.	125.00	11868.00	1483500.00	11250.00	1406250.00	11250.00	1406250.00

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Sl. No.	Description	Unit	Quantity	As per Estimate		M/s. Emmar Project Contractors India Pvt. Ltd. Ernakulam		Negotiated Rate	
				Rate	Amount	Rate	Amount	Rate	Amount
1.18	Providing and laying in position cement concrete of grade 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate - 20mm nominal size) for capping beam and retaining walls & top slabs for drainage & Kadavu 150mm thick as directed by Engineer, including cost of materials, labour, Tools & Plants except cot of reinforcement & formwork etc., complete.	M ³	30.69	10488.15	321881.32	11200.00	343728.00	11100.00	340659
1.19	Providing of RR masonry in 1:6 for wing wall / side protection of drainages and kadavu as per directions of E-I-C including cost of all materials, transportation to site, labour charges etc., complete.	M ³	23.74	8342.98	198062.35	6950.00	164993.00	6950.00	164993
1.20	Laying, spreading and compacting stone aggregate of 90 mm to 45 mm & 53 mm to 22.4 mm to WBM to be laid in two layers in uniform thickness of 10cm, hand packing, laying of binding material, watering in each layers, consolidation with light power road-roller in stages to proper grade and camber without causing any damage to new P&S bank protection, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density. The rate shall include cost of all materials, transportation, labour charges for spreading and laying WBM in separate two layers of 10cm each etc., complete	M ³	234.00	5552.29	1299235.86	4280.00	1001520.00	4280.00	1001520
1.21	Restoration of bank, existing paved footpath etc. by providing and laying 60mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction of approved size, design & shape, laid in required colour	M ²	42.00	1154.00	48468.00	1285.00	53970.00	1250.00	52500
1.22	Restoration of things like chairs, posts etc., (if reusable) to its original locations and overall cleaning of the work	LS	LS	25000.00	25000.00	15000.00	15000.00	15000.00	15000
2	Schedule - B: Repair works to Existing P & S protection at western end (30.00 M)								0
2.01	Site Clearance by cutting of grass, bushes etc., and removal of excess sand deposited over existing capping beam and clearing the gap between jetty and bank protection by removing waste materials as per the directions of E-I-C. The rate shall include hire charges of tools, disposal of debris, labour charges etc., complete.	M ²	30.00	9.28	278.40	11.00	330.00	11.00	330

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Sl. No.	Description	Unit	Quantity	As per Estimate		M/s. Emmar Project Contractors India Pvt. Ltd. Ernakulam		Negotiated Rate	
				Rate	Amount	Rate	Amount	Rate	Amount
2.02	Demolition of damaged existing RCC capping beam by using concrete breaker / manually and disposal of dismantled materials, stacking serviceable and unserviceable material separately including cutting reinforcement bars for providing of new capping beam for strengthening of jetty portion as per directions of E-I-C including hire charges of machineries, labour charges etc., complete.	M ³	2.95	3671.64	10831.34	2250.00	6637.50	2250.00	6637.5
2.03	Earth work excavation on the embankment of the existing pitching 60 cm wide and 1.00 cm M depth for placing geo-textile for preventing soil erosion and failure of the bank in future as per direction of E-I-C. The rate shall inclusive of hire charges of machineries and tools, labours etc., complete.	M ²	23.40	257.62	6028.31	355.00	8307.00	340.00	7956
2.04	Supply and placing in position Geo-textile as per specification or equivalent filter for below revetment as per the approved specification and drawings and any other place as directed by the Engineer including over lapping, sticking, stretching with all lead lift labour. Tools & Plants floating crafts, divers, etc. complete.	M ²	150.00	298.00	44700.00	415.00	62250.00	400.00	60000
2.05	Providing and laying in position R.C.C. 1:1½:3 for extension of piles for an average depth of 80 cm & top slabs @ 15 cm and providing of capping beam over piles & slabs, 15 cm thick as a tie beam for strengthening of bund as per directions of E-I-C including cost of materials, transportation and labour charges for finishing & placing in position but excluding the cost of centering & shuttering and reinforcement.	M ³	3.85	10488.15	40379.38	12000.00	46200.00	11500.00	44275
2.06	Steel reinforcement for R.C.C capping beam including proper lapping of the bars as directed by E-I-C including straightening, cutting, bending, placing in position & binding etc. complete.	Kg	262.330	112.42	29491.14	106.00	27806.98	106.00	27806.98
2.07	Centering & Shuttering for casting of pre-cast piles & slabs including strutting, propping and removal of formwork	M ²	50.33	386.15	19434.93	340.00	17112.20	340.00	17112.2

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