DEENDAYA PORT TRUST

Office of the Superintending Engineer,
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ISO 9001:2008 ISO 14001:2004

No: HW/WK/EOI/2822/ Dated : 24/07/2025

To,
M/s .....

Expression of Interest

Sub. : Modification and Strengthening of South Wharf with associated Backup Area work at Bunder Basin Berthing Structure.

Sir,

Deendayal Port Trust intends to invite e-tender for the subject work.

Kindly submit your budgetary-offer for the subject work on the basis of tentative requirements of items execute for work enclosed herewith.

The rates quoted must be inclusive of all taxes, & exclusive of GST.

Your budgetary offer for the above work should reach to the above mentioned address on or before 31/07/2025.

Thanking you,

Encl. : As above

Yours faithfully,

Executive Engineer (H)
Deendayal Port Trust

Date :-

To,

The Executive Engineer (H)

Deendayal Port Trust

New Kandla

Sub. : Budgetary offer for the work of **"Modification and Strengthening of South Wharf with associated Backup Area work at Bunder Basin Berthing Structure**".

Sr. No.	Item Description	Rate (in Rs.)	Qty.	Unit
	SECTION – I (PILING WORK)			
1	Marine Consultancy charges for Design and Drawings for Construction of New Pile Platform of size 152 M x 8 M and also Retrofitting work of existing Bunder Basin South Wharf Structure 150 M x 8 M and 50 M x 18 M and also allied ancillary Civil works as directed by Engineer-in-charge including vetting by IIT's or NIT's who has Department of Ocean Engineering and also visit on site by the consultant or consultant from IIT's or NIT's. **Consultant has to prepare the detail design & drawings in accordance with Tender invited.**		1.00	Lump Sum
2	Construction of 1200 mm dia. bored cast-in-situ piles with M.S. liner of 8 mm thick including driving the liner at specified depth, boring in all type of soil and sandy stone strata, removal of excavated materials, stabilizing unlined soil using bentonite or any other approved method. Providing reinforcement as per design / drawing, providing and placing M-40 grade concrete by means of tremmie method providing all necessary labour materials plants, tools and machineries etc. complete as directed by Engineer-in-charge.			
i	Shift and set up piling plants and equipment's at each pile location for South Wharf - Backside		46.00	Each
ii	Supply, fabricate mild steel liners plates with shoe including transport, alignment, welding, placing in position and driving up to any depth.		191.00	MT
iii	Boring through all type of soil strata including hard rock, dense sand and stiff clay and pocket of gravels, sand pieces, gypsum & reddish brown highly weathered basalt and etc. (1200 MM Dia.)			
a	Upto -20.00		644.00	RMT

b	From level -20.00 to Founding Level.		460.00	RMT
iv	Supply and place in position design mix cement controlled concrete of grade M-40 in pile shaft by means of tremmie or any other approved method using 20 mm MSA including cost of all labour and materials but excluding the cost of steel reinforcement.		1663.95	M3
v	Supplying, cutting, bending tying with 1.5mm dia. annealed binding wire and placing in position reinforcement cages for in-situ reinforced cement concrete piles including cleaning, wire brushing, straightening tack/lap/butt welding with approved electrodes etc. with all labour and materials complete. Thermo-Mechanically Treated CRS bars of grade Fe- 500D or more.		499.19	MT
v	Cut and dress each pile head to required lines and levels. (1200 MM Dia.)		46.00	Each
3	Conducting routine vertical pile load test on working piles as per IS 2911 for the load as directed including loading platform or by providing, anchor piles at his own cost all necessary arrangement for testing facilities & removal of the same after test etc. and as directed by the Engineer In Charge.		1.00	No.
4	Conducting standard penetration test as per IS 2131 at various location in piles bores as directed by Engineer-in-charge including making report thereof.		10.00	No.
	SECTION – II (SUPERSTRUCTURE WORK)			
1	Providing and casting, lifting, shifting and placing in position of precast units of design mix controlled concrete grade M-40 including weigh batching, mixing, vibrating, curing etc., complete with all labour, material, plants, equipment's etc. in marine condition as directed by engineer in charge. (Rate shall be inclusive of providing, fixing and stripping of formwork but exclusive of steel reinforcement bars.)		1878.31	M3
2	Supply and place in position to lines and levels cast-in-situ design mix cement controlled concrete of grade M-40 using cement sand, 20mm MSA including providing form work, shuttering, machine mixing, compacting, curing of concrete, centering including providing pockets, opening, recesses, chamfering wherever required and rendering if required to give smooth and even surface in all shape etc. complete as directed with all labour and materials but excluding the cost of steel reinforcement for pile muff, pile caps, deck beams, slab, kerbs, parapets etc.		1696.46	M3
3	Supply and place in position to lines and levels cast-in-situ design mix cement concrete of grade M-40 using cement,			

	20mm MSA for wearing coat of average thickness of 80 mm including providing of preparation of surface, form work, applying chemical adhesive layer, weigh batching machine mixing, placing in panels, forming slopes, placing metallic master top 100 floor hardener (7 kg/m²) & finishing with floater machine compacting curing etc. complete with all labour and materials.			
a	CC Wearing coat 80mm thick		3340.10	M2
4	Supplying, cutting, bending, tying with 1.50 mm annealed binding wire and placing in position reinforcement cages for precast, cast in situ concrete etc. including cleaning, wire brushing, straightening tack/lap/butt welding with approved electrodes etc. with all labour and materials complete. **Thermo-Mechanically Treated CRS bars of grade Fe- 500D or more.**		499.29	MT
5	Providing and fixing in position approved quality shalitax board 25mm thick at expansion joints.		202.45	RMT
6	Demolition above ground level upto floor two level deck slab, wearing coat, beams, pile heads, muffs, precast members, etc. of existing jetty along with their attachments such as MS ladders, hand holds, bollards, fenders, C.I. pipelines & fittings, sluice valves, MS covers, crane rail, etc. The serviceable main store new kandla or as directed by engineer-in-charge. The disposal of unserviceable is to be done upto lead of 5 km by motor trucks/dumpers/tractors etc. and dressing at dumping yard etc. complete as directed by Engineer-in- charge.		435.44	M3
7	Excavate & get out in clay mixed with small boulders and existing Gabion filled with Black Trap Stone with a lift from founding level, breaking clods in wet soil or below sub-soil water level including banking or depositing the excavated stuff, dressing etc., complete as directed including disposal of excavated stuff within a lead upto 5.00km beyond 1.50km.		11114.24	M3
	SECTION – III (RETROFITTING OF EXISTING BUNDER BASIN - SOUTH WHARF)			
1	Removal, Providing and fixing of fender: Removing the existing fender along with all attachments from its position by opening or cutting all the existing fixture arrangements and separating frontal frame and detaching all fenders from its position by opening or cutting S.S. nuts bolts etc. to preparing good for fixing. including Proving and Fixing of 10 Nos. of new Super Arch fender 'L' Corner fender 300H x 750 x 750 for each fender Column with necessarily nuts & bolts fixing with resin fastener RE500V3 or equivalent of required size and		20.00	Set of 10 Nos.

	specification as specified by manufacturers specification & drawing etc. complete as directed by EIC. **(Each One Set Consist 10 Nos. of Super Arch fender 'L' Corner fender) - Super Arch L Corner fender(10 nos. per Fender Column)**			
2	Providing & Fixing of new cast steel T-head bollards of 30 tonne capacity top portion over existing base plate with high tensile hex headed nuts to existing bolts fixing with resin fastener RE500V3 or equivalent in front and back portion of base plate complete with all fixtures as per drawing, including grouting with cement concrete mix of proportion 1:1.5:3 of concrete surrounding base plate up to top surface, filling the cavity & painting as per manufactures Specification & drawing etc. Complete as directed by EIC.		12.00	Nos.
3	Removal & Re-fixing Removal of existing bollard by making the hoisting arrangement, lifting with suitable mechanical equipment and stacking at a distance of 5 Km away from site dismantling the surrounding concrete, opening/cutting of Hex horizontal nut bolts and detaching the top headed nuts and other portion from baseplate, disposal of dismantled concrete. Re-Fixing of same bollards at same location of bunder basin wharf over existing base plate with high tensile hex headed nuts to existing bolts fixing with resin fastener RE500V3 or equivalent in front and back portion of base plate complete with all fixtures as per drawing, including grouting with cement concrete mix of proportion 1:1.5:3 of concrete surrounding base plate upto top surface, filling the cavity & painting etc. complete as per drawing and as directed by Engineer-in Charge.		12.00	Nos.
4	Surface preparation : Chipping and removal of dilapidated concrete from RCC structural members carefully by suitable means upto sound concrete using electrically operated low impact concrete chipper (where use of electrical chipper is not feasible chisel & hammer may be permitted with great care and under supervision) including cutting the excessively corroded reinforcement wherever directed , cleaning the chipped surface with wire brush, providing and applying rust covering primer. complete as specified & as directed including necessary scaffolding. Removing/disposing or stacking the salvages etc. Complete as specified & as directed by EIC.		904.00	M2
5	Providing and applying Epoxy Bonding Agent before pouring the concrete, the base and the hardener of the epoxy jointing compound Master Brace 1414 or equivalent shall be mixed mechanically using a slow speed heavy duty drilling		904.00	M2

	machine. The same shall be applied over the prepared surface using good quality brush. Cost of materials, tools and other hire charges all machineries and all labour charges etc. are included as specified and completion as directed by EIC.			
6	Providing and fixing Galvanised mesh size 50 X 50 mm minimum 3mm of thick/or as directed for concreting work, including cutting, tying with binding wires and nailing 5 nos. per Sq m in position, labour, tools, plants, machinery, scaffolding etc. Complete as directed by the Engineer-In-Charge.		904.00	M2
7	Fixing Shear Connectors : Shear Connector fixing HYSD TMT minimum Fe500D grade rods of 25mm dia of min 600 mm long to be placed in position in 32 mm dia in 300mm depth hole, as shear connectors / anchor rods, including supplying, Fabricating, fixing, drilling and filling the gap around the rods with epoxy brands anchor resin RE10 or equivalent. Complete as specified & as directed by Engineer-In-Charge.		3012.00	Nos.
8	Providing & placing in position of Galvashield XPI or equivalent Sacrificial Anode with connection to rebar and fixing of self-regulating at the required locations during the time of execution, complete as directed by Engineer-In-Charge.		301.00	Nos.
9	Polymer Modified Mortar for secondary beams exposed on berthing face : Supply and apply of Polymer modified fibre reinforced cementitious repair mortar (such as Master Emaco S 348 or equivalent) to the spalled and eroded concrete surface upto 12 mm thick. As specified and as directed by Engineer-In-Charge.		204.00	M2
10	The Acrylic emulsion cement modified and water based concrete Curing Membrane (such as Master Kure 185 or equivalent) and Appling immediately after the concrete gets finished, the membrane shall be sprayed over the concrete finished area without any gap or pinhole. The cost of all materials, tools and all labour charges etc. are included completion as specified and as directed by the Engineer-In-Charge.		1404.00	M2
11	Providing and applying protective coating Master Protect 300- Aliphatic Acrylic protective and waterproof coating after proper surface preparation, cleaning of dust, dirt etc. System should be application of Master Seal 399 Primer-Water based acrylic primer on prepared surface and application of 2 coats of Master Protect 300 or equivalent at suitable brush or roller, completion as specified and as directed by the Engineer-In-Charge.		1200.00	M2

12	Concreting for rehabilitation works: M40 grade concrete - Providing & laying in position machine batched & machine mixed design mix M-40 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site, cost of cantering, shuttering, finishing, including admixtures in recommended proportion as per IS: 9103 to retarding super plasticizer admixture (such as Master Rheobuild 1126 or equivalent) for water reducing, improve workability as per directed by EIC.			
A	Level up to +4.0 m		484.00	M3
B	Level below the +4.0 m		82.00	M3
13	Supplying reinforcement of CRS Grade Fe 500D or more, cutting, bending, fabrication of steel reinforcement as per requirement at site and fixing the reinforcement, the rate shall include cost of cutting, bending, shifting and fixing the steel bars including equipment's, plants, cost of materials, instrumentation, hiring of boat, catamaran, Pontoon, labour and transport, fuel etc. in marine condition as per drawing. Complete as directed by Engineer-In-Charge.		53409.00	KG
14	Providing and applying Anti corrosive zinc primer (such as Master Emaco P 130 or equivalent) coating to the new and existing reinforcement after removing the rust and scales by mechanically or manually to prevent the rebars from corrosion activity as specified and completion as directed by Engineer-In-Charge.		1153.00	M2
15	Steel work in galvanized M S steel sections having 150 microns for including cutting, hoisting, fixing in position by welds or bolts & to the entire galvanized steel work complete as directed for Nosing Angle, Connecting strip and Connecting Flat provided on the berthing face of fender columns & Deck Slab as per the drawings and as instructed by the Engineer-In-Charge.		22665.00	KG
16	Removal, Providing & Fixing Galvanised M.S. ladder : Removal of existing Ladder by mechanically making the hoisting arrangement, lifting with suitable mechanical equipment and stacking at a distance of 5Km away from site & stacking in position and after dismantling the surrounding concrete, opening/cutting of Hex horizontal nut bolts and detaching the headed nuts and other portion from plate, disposal of dismantled concrete. Providing & Fixing of New Galvanised M.S. ladder of 150 micron comprising stringers rung fixing angles, nuts, washers , firm holds at top etc. including making holes, fixing & grouting with epoxy bonding resin		8250.00	KG

	fastener RE500V3 or equivalent. Complete as per drawing and as directed by Engineer-in Charge.			
17	Providing and Fixing of New UHMW PE Pad of size 1000mm x 1000mm x 30mm thickness, with fixtures of SS316 minimum 9 nos. of M20 x 250 mm L, stud, nuts, washer & bolts per sq m and fixing with resin fastener RE500V3 or equivalent of specification as specified by manufacturers specification & drawing etc. complete as directed by EIC.		281.00	M2
	SECTION - IV (GUNNITING WORK)			
1	Chipping / hacking / dismantling / scraping/ cleaning the existing concrete/ gunnited surface of underneath jetty members upto a required depth of 50 mm under tidal conditions manually or by mechanically means like compressor , pneumatic chippers including sand blasting to chipped surface and reinforcement all labours , tools, scaffolding, machineries etc. complete as directed by Engineer in Charge.		2645.00	M2
2	Providing and fixing by welding the new reinforcement with old existing reinforcement which was reduced to more than 20% of its original diameter including cost of reinforcement and all labours, tools, machineries, scaffolding etc. complete as directed by Engineer-in Charge including cost of reinforcement. Considering 12 mm dia. CRS at 150mm c/c in both the direction.		32956.70	KG
3	Providing and fixing in position G.I. weld mesh 3 mm thick having 76 mm square or its near equivalent by binding wires of 18 to 20 gauge & welding including all labour, cost of material, machineries, scaffolding etc. complete as directed by Engineer-in -Charge.		2645.00	M2
4	Supplying and applying one coat two component polymer modified anticorrosive coating of zincrich primer called Sika-Top Armatic – 108 / Nitozinc primer or its equivalent to reinforcement, old and new and on IRC-fabic/G.I. Weldmesh with brush including all cost of labours and materials, tools, scaffoldings etc. complete as directed by Engineer-in-charge.		2645.00	M2
5	Supplying and applying one coat of bonding agent bond coat of styrene butadiene rubber or epoxy based called sika latex or its equivalent by mixing with water and cement at the rate of water four parts, and cement five parts and applying by brush on the old chipped, prepared concrete surface including all cost of labour & materials, tools scaffoldings, etc. complete as directed by Engineer-in -charge.		2645.00	M2
6	Guniting to the old chipped and		2645.00	M2

	prepared surface of underneath jetty members using sulphate resistant cement and sand by 1:3 volume as per IS 9012-1978 to required thickness and layers not more than 25mm thick by using accelerating - cum- water proofing compound signit powder or its equivalent @ 4% by weight of cement in combination with styrene butadiene rubber based water resisting and bonding agent sika latex or its equivalent at 4% by weight of cement and finishing the gunnited surface lightly with trowels to make the surface fairly smooth, including all cost of labours, materials, tools, scaffoldings, machineries, water tank hose pipe etc. complete as directed by Engineer-in-charge - 50 mm thick			
7	Supplying and applying one coat of emulsified paraffin based curing compound "SIKA ANTISOL" or its equivalent, over a freshly gunnited surface by brush application including all cost of labours, materials, tools, scaffolding, etc., complete as directed as Engineer- in -charge.		2645.00	M2
	SECTION - V (MICRO CONCRETING WORK)			
1	Cutting of 6mm M.S liner of existing piles in two halves to required height & transportation of same within a lead upto 2.0Km beyond 1.5Km.		42174.00	CM2
2	Chipping / hacking / dismantling /cleaning including removing of all dirt, dust marine growth, fossils, loose concrete, micro organism etc. from the pile surface from underneath the of cargo jetty portion upto the required depth and height under tidal condition manually / mechanically like by air compressor or by air and water jetting, chipping the surface and reinforcement with all labour, tools, plants, scaffolding, machinery etc. complete as directed by the Engineer in charge.		2330.21	M2
3	Drilling holes 40mm dia. 300mm long in reinforced concrete using electrically operated hammer drilling machine including cleaning the holes washing the same with potable water complete as directed by Engineer in charge.		1272.00	Each
4	Providing and fixing reinforcement for RCC work for underneath portion of the jetty or in tidal condition including cutting, bending, tying, with binding wires, preparing the cages and placing 'in position, including anchoring the same with polymer based Epoxy "LOKFIX' of 'FOSROC' or its equivalent etc. complete as per manufactures specification with all labour tools, plants, scaffolding, etc. complete as directed by Engineer in charge. Steel of CRS - 500 D or more.		2407.90	KG
5	Supplying, mixing and placing the		358.02	M3

	reinforced micro concrete to solid piles / beam or similar type structure as per drawing by using "RENDROC - UW' manufactured by FOSROC CHEMICALS or equivalent with clean, rounded and well graded metal of 12 mm and down size in ratio of 1:1 by weight as per manufacturer's instructions and specifications including mixing depositing vibrating, if required and fabricating erecting leak proof, water tight steel plates shuttering etc. complete as directed by E-I-C (excluding the cost of steel reinforcement).			
6	Supply, cutting, bending, tying with 1.5mm dia. annealed binding wire and placing in position reinforcement cage including cleaning, wire brushing, straightening, tack/lap/butt welding with approved electrodes etc., with all labour and materials complete. Corrosion resistant steel rebars Fe-500 D or more.		71.60	MT
	SECTION - VI (PAVEMENT WORK)			
1	Providing quarry spall / granular material including cost of excavation, royalty, loading, unloading, transportation, spreading in layers, compaction with truck in layer of 500mm from existing ground to required level, levelling, dressing side slopes, watering over the layers as desired by EIC etc., along with spreading of dust over the surface complete with all labour and materials complete including settlement etc., as directed by the engineer in charge.		4320.00	M3
2	Supplying and fixing Bi-Axial Geogrid (100KN/mx100KN/m) over a sand layer complete all labour and material as directed by EIC. The laying and construction of the Geogrid basal reinforcement layer should be carried out as per IRC- 113 (No additional payment for overlapping in joints will be made)		7200.00	M2

Note : Rates shall be exclusive of GST