

Tender Details

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Tender ID: 154954	IFB/Tender Notice No.:HD-01/25	Description of Material/Name of Work: Special Repairs to the road network by Resurfacing with Polymer Modified Bitumen inside cargo jetty area
ECV (INR):96473316.00	Last Date For Bid Submission: 21-03-2025 12:00	Tender Type/Tender Category :Open/WORKS
Location: Kachchh	Department: Deendayal Port Authority	Sub Department: Town Development Division

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Bill of Quantity

Item No.	Item Description	Qty	Unit
1	Removal of Garbage/debries/waste cargo by mechanical means (Hydraulic excavator)/manual means over areas including getting out and disposal of stuff lead beyond 2.00 km upto 5.00Km outside cargo jetty area, as directed by Engineer-in-charge.	25775.000	m3
2	Construction of granular sub - base by providing, laying, spreading and compacting CLOSE/ COARSE GRADED MATERIAL spreading in uniform layers with motor grader on prepared surface and compacting with power vibratory roller of required type and capacity to achieve the desired density including all labour, wattering, material , machinery, lighting, guarding, barricading complete as directed. (Mix in place method). With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30	5790.000	m3
3	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with with motor grader in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achievethe desired density, complete as per specifications and directions of Engineer-in-Charge.	4825.000	m3

Item No.	Item Description	Qty	Unit
4	Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributor including preparing the surface & cleaning with mechanical broom. With rapid setting bitumen emulsion (a) On W.B.M / W.M.M. @ 0.40 kg/sqm	16125.000	m2
4	(b)On bituminous surface @ 0.25kg/sqm	161250.000	m2
5	Providing and laying Dense Graded Bituminous Macadam using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specifications and directions of Engineer-in-Charge. 50 to 100 mm average compacted thickness with bitumen of grade VG-40 @ 5 percent (percentage by weight of total mix) and lime filler @ 2 percent (percentage by weight of Aggregate) prepared in drum Type Hot Mix Plant of 60-90 TPH capacity.	2977.000	MT
6	Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in-Charge. 40/50 mm compacted thickness with bitumen of grade PMB-76-10E @ 6.00 percent (percentage by weight of total mix) and lime filler @ 3 percent (percentage by weight of Aggregate) prepared in drum Type Hot Mix Plant of 60-90 TPH capacity.	17096.000	MT
7	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil	7880.000	m3
8	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	40.000	m3

Item No.	Item Description	Qty	Unit
9	Providing, laying and fixing in position upto 1 km lead design mix reinforced cement controlled concrete for RCC Precast slab / RCC Precast curbing of design mix M-30 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping / placing of concrete to site of laying including the cost of centering, shuttering, finishing as per direction of Engineer-in-charge. (Rate is exclusive of cost of reinforcement)	270.000	m3
10	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.	30000.000	Kg
11	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	1970.000	m3
12	Extra rate for conveying the excavated stuff by motor - truck. a) Lead upto 3.50 BEYOND 3.00 KM	5910.000	m3
13	12 mm cement plaster finished with a floating coat of neat cement of mix : 1:3 (1 cement: 3 fine sand)	7238.000	m2
14	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : Water thinnable cement primer	10663.000	m2
15	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : Two or more coats on new work	10663.000	m2
16	Providing and laying factory made chamfered edge Cement Concrete paver blocks In foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of course sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications & 60mm thick Cement concrete paver block of M-35 grade with approved colour, design & pattern.	19300.000	m2

Item No.	Item Description	Qty	Unit
17	Providing and fixing Glow studs of size 100x20 mm made of heavy duty body shall be moulded ASA (Acrylic styrene Acryloretrite) or HIP (High impact polystyrene) or ABS having electronically welded micro-prismatic lens with abrasion resistant coating as approved by Engineer in charge. The glow stud shall support a load of 13635 kg tested in accordance with ASTM D4280. The slope of retro- reflective surface shall be 35 (+/-5) degrees to base. The reflective panels on both sides with at least 12 cm of reflective area up each side. The luminance intensity should be as per the specification and shall be tested as described in ASTM I: 809 as recommended in BS: 873 part 4 : 1973. The studs shall be fixed to the Road surface using the adhesive conforming to IS, as per procedure recommended by the manufacturer complete and as per direction of Engineer-in-charge.	8766.000	each
18	Providing and applying 2.5 mm thick road marking strips (retro-reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications.	4855.000	m2
19	Providing and fixing signs board with a corrosion resistance 2mm thick aluminium alloy sheet with high intensity prismatic (HIP) grade retro reflective sheet, including fixing on structure as directed including lettering overhead sign etc complete all labours and materials as directed by engineer-in-charge (excluding cost of frame work).	226.000	m2
20	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a epoxy based priming coat of approved steel primer all complete.	23560.000	Kg
21	Finishing with Epoxy paint (two coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.	1178.000	m2
22	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	1178.000	m2

Subwork Name	Description	Period of Completion	Scope of Subwork
Bill of Quantity	As per Tender	0.0	As per Tender

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