

Tender Details

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Tender ID: 171594	IFB/Tender Notice No.: HD-08/25	Description of Material/Name of Work: Supply, Installation, Testing and commissioning of 217 Feet (66 Meter) High Mast Tri Colour National Flag of size 60ft multiply 90ft with complete design at Deendayal Port Authority at Kandla.
ECV (INR):9274790.00	Last Date For Bid Submission: 07-05-2025 12:00	Tender Type/Tender Category :Open/WORKS
Location: Kachchh	Department: Deendayal Port Authority	Sub Department: Town Development Division

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BOQ

Item No.	Item Description	Qty	Unit
1	Supply, Installation, Testing and commissioning of 66 meter (217 feet) high outdoor hot dip galvanized polygon (20sides), monumental Flag mast in multiple sections with head frame having pulleys arrangement as per technical data sheet complete as per design requirement (This also includes Structural design part of High Flag Mast, erection using hydraulic crane including stress fit assembly with tools required, installation of wire ropes, winch, motor with accessories, aviation lights, lighting finial, fiber dome complete as per design requirement).	1.000	Set
2	Supply of Motorised (Mechanical / electrical system for raising and lowering mechanism of flag remote control, snap hooks, U- lamp, spring system with following inclusion i) Double drum winch suitable for 8 mm diameter wire rope for flag hoisting and integral motor with torque limiter, chain, sprocket complete as per design requirement for making this mechanism operational ii) 8 mm Galvanized wire rope for flag hoisting iii) 3 Numbers additional 6mm dia. safety wire rope iv) Decorative Lighting Finial v) Aviation lights 2 set.	1.000	Set
3	Supply of Foundation Bolts manufactured from special steel as per datasheet along with nuts, washers, anchor plate and template (24-36 Nos.), size 1800 x 40 mm or as per design requirement.	1.000	Set

Item No.	Item Description	Qty	Unit
4	Supply and Fixing of Constant glowing LED aviation obstruction light of appropriate size (3C x 2.5 Sq. mm), trailing copper armored PVC cable complete as per design requirement.	2.000	Set
5	Supply & installation of Specially designed 1000 Watt LED outdoor focus lights complete for façade lighting of National Flag with 3 years warranty as per standard and technical data sheet (including wiring & cabling work)	4.000	Set
6	Supply and Installation Light Fitting Pole of same make that of High Mast including erection and foundation of these poles of length 6m total in length above ground level (this mast shall be suitable for mounting of two LED fittings) (including wiring / cabling required to erect LED focus light on these Poles)	4.000	Set
7	Supply & Installation of Indian National Flag of size 60 ft. x 90 ft. made out of polyester fabric with reinforced super-strong nylon webbing on all 3 sides & eyelets complete as required (including flag mounting accessories like snap clamp, dog clamp, turn buckles, bobbins complete as required)	1.000	No.
8	Supply, Installation, Testing and commissioning of 6 mtr. high mast pole for Flag in single section of min. 3 mm thick, Conic type - Taper model – Spinning seamless – bright-polished stainless steel which is corrosion resistant - Internal manual winch with handle – Press SS 316 base plate - Stainless steel rope – Full Accessories including hanging pole & Stainless Steel cover lighting finial, 200 Mm Dia. Top Finial Ball complete as per design requirement including supply & installation of International Flag of size 6 ft. x 3 ft. made out of polyester fabric with reinforced super-strong nylon webbing on all 3 sides & eyelets complete as required (including flag mounting accessories like snap clamp, dog clamp, turn buckles, bobbins complete as required)	40.000	No.
9	Supply & Installation of Ornamental crown fiber dome with embedded MS Plate to be mounted on the flag mast. (GRP ornamental finial (Dome) shall be manufactured from unsaturated polyester resin and chop stand matt glass fiber of suitable GSM to have an overall required minimum thickness for GRP finial. The test certificate for the resin & glass fiber used to be supplied along with supplies. The finial is to be finished with aliphatic grade U.V Stabilized polyurethane paint coat)	1.000	No.

Item No.	Item Description	Qty	Unit
10	Supply & Installation of Electrical 1.1KV XLPE grade cable system (including control panel to be installed inside flag mast including reversing switch, contactor, timer, MCB etc. complete) as per detailed technical specification and data sheet.	1.000	Set
11	Earthing for flag mast with 2.5 m long, 40 mm diameter GI Pipe including connection to flag mast with 25x3mm GI strip complete as per design requirement.	1.000	Set
12	Material and Labour for PU paint on High mast including light poles by application of suitable primer for hot dip galvanized surface complete with colour shade choice.	1.000	Set
13	Civil Foundation Work as per design approved by any Govt. Engineering college like IIT's or NIT's. Detailed design considering all factors including Soil bearing capacity, all live load, dead load, wind load, earthquake loads. Details of detailed drawing, foundation drawing, Reinforcement detailement, load calculation shall be shared with DPA, Kandla after approval. Considering Minimum 04 Nos. of 1000 MM Dia. Bored Cast-in-situ Pile of M-40 grade concrete Foundation upto (-) 28.00 Mtr. Depth or upto founding level with 2000 MM Thick Pile Cap of 4 M x 4 M and other ancillary civil work etc. as directed by Engineer-in-charge. Note : The bidder will get the bearing capacity tested or data available with DPA, before designing the foundation. The design calculation shall also be supplied by the bidder. The design can be got rechecked by the DPA form other reputed Third Party & if there is any expenditure on this account the same shall be borne by the bidder.	1.000	Set
14	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. (a) All kinds of soil	108.000	M3
15	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	164.400	M3
16	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : (a) 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size).	31.600	M3

Item No.	Item Description	Qty	Unit
17	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying including the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS : 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. "(Note :- Cement content considered in this item is @ 330 kg/cum."Excess/ less cement used as per design mix is payable/recoverable separately). (A) Providing M-40 grade concrete instead of M-25	81.000	M3
18	Steel reinforcement for R.C.C. work including straightening, cutting,bending, placing in position and binding all complete upto plinth level. (a) Thermo-Mechanically Treated bars of grade Fe- 500D or more.	6480.000	Kg
19	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.	20.000	M3
20	Extra rate for conveying the excavated stuff by motor - truck a) Lead upto 3.50 BEYOND 3.00 KM	108.000	M3
21	External plaster are for height upto 10m from ground level in less otherwise stated. (a) 12 mm cement plaster of mix : 1:4 (1 Cement : 4 Fine Sand)	686.000	M2
22	Surface dressing of the ground including removing vegetation and in- equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m All kinds of soil	900.000	M2
23	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building, all complete as per the architectural drawings, with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand), laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	271.400	M2

Item No.	Item Description	Qty	Unit
24	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08 percentage and conforming to IS: 15622, of approved brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 600x600 mm	276.000	M2
25	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 and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge. Pathway toward National Flag Platform	160.000	M2
26	Collection and Spreading of manure (Goat dropping & Cow dung dried) free from foreign materials subject to the approval of Engineer-in-charge including loading, unloading, transport & stacking at site of work.	64.000	M3
27	Collection and spreading of sweet earth including cost of excavation, royalty, loading, unloading, transport & stacking at site of work.	384.000	M3
28	supplying and fixing (Planting) green trees in said position including digging the soil for planting and providing necessary support to plant and watering the plant till the completion of work and ensure the survival of plant till than Different type of Palm, Coconut of 5 to 6 foot height above Ground Level	67.000	Each
29	Providing & fixing of S.S. Staircase Railing of 304Q grade with all required accessories for fixing . The pipes should be of 10 gauge thickness.The main railing pipe of 32 mm square box at 900 mm to 1200 mm c/c , with top railing of 50 mm dia and three lower horizontal railing pipe of 15 to 25 mm dia as directed. The height of railing is about 1.00 mtrs. The railing is to be provided as approved by the Engineer In Charge. The work includes all labour ,materials & tools/Plants etc. Matt / Glossy finish S S Railing	64.000	Meter
30	Providing natural grass/lawn as selected by Engineer in charge, including digging the surface, pouring suitable manure, watering etc. complete as directed by Engineer in charge.	640.000	M2

Subwork Name	Description	Period of Completion	Scope of Subwork
BOQ	As per Tender	3.0	As per Tender

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