

DEENDAYAL PORT AUTHORITY					
PIPELINE DIVISION					
NAME OF WORK :- Maintenance Contract for Buildings, Walkways, Trestles, Fenders, Garden Inside & Outside House Keeping & Cleaning of office building and surrounding Inside and Outside Oil Jetty area at Old Kandla For 2 years.					
SCHEDULE - B					
Sr.No	DESCRIPTION	Quantity	Rate	Unit	Amount
			IN FIG.		
1	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	66.30	2049.67	M ³	135893.12
(A)	Nominal concrete 1:3:6 or richer mix. (i/c equivalent	8.75	1404.97	M ³	12293.49
(B)	Nominal concrete 1:4:8 or leaner mix. (i/c equivalent	109.00	867.72	M ³	94581.48
2	Dismantling tile work in floors and roofs laid in				
(A)	For thickness of tiles above 25 mm and up to 40mm.	460.00	65.38		30074.80
3	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge	132.00	32.55	M ²	4296.60
4	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	28800.00	3.26	Kg.	93888.00
	Wall ways				
5	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc., complete and stacking within 50 metres lead :				
(A)	Of area 3 sq. metres and below. In Office	10.00	211.89	Each	2118.90
(B)	Of area beyond 3 sq. metres. In Jettys	10.00	290.19	Each	2901.90
6	Taking out existing wooden door shutter, repair by cutting, painting etc. and refixing of repaired door shutters to existing door frames, including replacement of hinges with screws, etc. as required, all complete as per the direction of the Engineer-in-charge.	10.00	228.17	Each	2281.70
7	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	5000.00	11.45	M ²	57250.00
8	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering, including disposal of rubbish to the dumping ground, all complete as per directions of Engineer-In-Charge.	3600.00	41.83	M ²	150588.00
9	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in- Charge. In Office	10.00	77.49	Each	774.90
10	Dismantling of road gully chamber of various sizes including C.I. grating with frame including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead including refilling the excavated gap. In Toilet blocks	6.00	554.16	Each	3324.96

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			IN FIG.		
11	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
(A)	All kinds of soil.	216.00	200.80	M ³	43372.80
12	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	36.00	1512.84	M ³	54462.24
13	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
(A)	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone	24.00	4428.24	M ³	106277.76
14	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
(A)	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	22.05	5155.61	M ³	113681.20
15	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
(A)	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	19.80	5854.94	M ³	115927.81
16	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :				
(A)	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	33.36	7129.54	M ³	237841.45
17	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	10.00	7503.51	M ³	75035.10
18	Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but, excluding cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand 3 graded stone aggregate 20 mm nominal size).	13.50	6771.45	M ³	91414.58

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			IN FIG.		
19	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.	10000.00	62.76	Kg.	627600.00
20	Centering and shuttering including strutting, propping etc. and removal of form for all heights :				
(A)	Foundations, footings, bases of columns, etc. for mass concrete.	648.00	215.57	M ²	139689.36
(B)	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	160.00	468.69	M ²	74990.40
(C)	Columns, Pillars, Piers, Abutments, Posts and Struts.	72.00	562.98	M ²	40534.56
(D)	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	27.00	425.85	M ²	11497.95
(E)	Suspended floors, roofs, landings, balconies and access platform.	96.00	536.59	M ²	51512.64
21	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :				
(A)	With F.P.S.(non modular) bricks	102.12	5621.42	M ³	574059.41
22	Plastering with cement mortar 1:4, including raking out joints, scrubbing and cleaning, finishing smooth, curing etc complete for interior plastering upto floor two level.				
(A)	12 MM THICK.	3000.00	206.40	M ²	619200.00
(B)	20 MM THICK.	1200.00	281.51	M ²	337812.00
23	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per directions of Engineer-In-Charge.				
(A)	With cement mortar 1:4 (1 cement : 4 fine sand)	576.00	323.61	M ²	186399.36
24	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades,laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand),jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc.. complete.				
(A)	Size of Tile 600x600 mm.	480.00	991.66	M ²	475996.80

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			IN FIG.		
25	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.				
(A)	Size of Tile 600x600 mm.	225.00	1026.55	M ²	230973.75
26	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints with white cement and matching pigments etc., complete.	144.00	774.94	M ²	111591.36
27	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	28.80	656.95	M ²	18920.16
28	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :				
(A)	25mm thick.	54.00	1194.62	M ²	64509.48
29	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	6.75	1426.99	M ²	9632.18
30	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.				
(A)	Granite of any colour and shade. In windows				
	Area of slab upto 0.50 sqm.	64.80	3275.55	M ²	212255.64

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			IN FIG.		
	Area of slab over 0.50 sqm.	54.00	3097.75	M ²	167278.50
31	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.				
(A)	40 mm thick with 20 mm nominal size stone	366.00	381.50	M ²	139629.00
32	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.	1200.00	665.70	M ²	798840.00
33	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).				
(A)	Second class teak wood.	3.24	92103.87	M ³	298416.54
34	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick.				
(A)	Kiln seasoned and chemically treated hollock wood	115.50	1427.86	M ²	164917.83
35	Providing and fixing ISI marked flush door shutters conforming to IS :2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				
(A)	25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Piano hinges IS : 3818 marked with necessary screws.	50.00	1758.65	M ²	87932.50
36	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	20.00	6578.15	M ²	131563.00

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			IN FIG.		
37	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.				
(A)	80x1.20 mm M.S. laths with 1.20 mm thick top cover.	10.00	2007.81	M ²	20078.10
38	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
(A)	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete.	20000.00	71.58	Kg.	1431600.00
(B)	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	20000.00	99.61	Kg.	1992200.00
39	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
(A)	For fixed portion: For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	2727.00	303.77	Kg.	828380.79
40	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
(A)	With float glass panes of 5.50 mm thickness.	136.35	927.89	M ²	126517.80

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			IN FIG.		
41	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge.				
(A)	Pre-laminated particle board with decorative lamination on both sides.	84.00	665.74	M ²	55922.16
42	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
(A)	200x10 mm.	20.00	63.56	Each	1271.20
(B)	150x10 mm.	20.00	52.89	Each	1057.80
(C)	100x10 mm.	20.00	41.06	Each	821.20
43	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868),transparent or dyed to required colour or shade, with nuts and screws etc. complete :				
(A)	300x16 mm.	20.00	182.21	Each	3644.20
(B)	250x16 mm.	20.00	164.43	Each	3288.60
44	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc.				
(A)	125mm.	20.00	42.04	Each	840.80
(B)	100mm.	20.00	37.28	Each	745.60
45	Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:				
(A)	125x75x4 mm	25.00	96.99	Each	2424.75
46	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with IS : 3564,embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	10.00	599.41	Each	5994.10
47	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors,including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.				
(A)	With stainless steel cover plate minimum 1.25 mm	10.00	1714.20	Each	17142.00

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			IN FIG.		
48	Providing and laying four courses water proofing treatment with bitumen felt over roofs consisting of first and third courses of blown bitumen 85/25 or 90/15 conforming to IS : 702 applied hot @ 1.45 Kg per square metre of area for each course, second course of roofing felt type 3 grade-I (hessian based self finished bitumen felt) and fourth and final course of stone grit 6 mm and down size or peasized gravel spread at 6 cubic decimeter per square metre, including preparation of surface but excluding grading complete with :				
(A)	Bitumen felt (hessian base) type 3 grade I	210.00	302.47	M ²	63518.70
49	Applying priming coat :				
(A)	With ready mixed pink or Grey primer of approved brand and manufacture on wood work. (hard and soft wood)	180.00	43.02	M ²	7743.60
(B)	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works.	300.00	38.85	M ²	11655.00
50	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	180.00	101.43	M ²	18257.40
51	French spirit polishing :				
(A)	Two or more coats on new works including a coat of wood filler.	120.00	257.81	M ²	30937.20
52	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
(A)	Two or more coats on new work.	1800.00	92.02	M ²	165636.00
53	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.				
(A)	On steel work Walkways	1000.00	141.19	M ²	141190.00
54	Painting one coat of marine primer on previously painted steel and other metal surfaces with paint anti-corrosive brushing to give an even shade including cleaning the surfaces of all dirt, dust, and other foreign mater on surfaces over 10cm in width / girth. On Walkways	1000.00	147.50	M ²	147500.00
55	Painting two coat of marine paint (excluding priming coat) on previously painted steel and other metal surfaces with paint anti-corrosive brushing to give an even shade including cleaning the surfaces of all dirt, dust, and other foreign mater on surfaces over 10cm in width / girth.	1000.00	205.30	M ²	205300.00
56	Floor painting with floor enamel paint of approved brand and manufacture of required colour to give an even shade :				
(A)	Two Coats	1500.00	75.23	M ²	112845.00
57	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification.	1212.00	64.93	M ²	78695.16

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			IN FIG.		
58	Finishing walls with Acrylic Smooth exterior paint of required shade : Boundry Wall				
(A)	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	7200.00	116.80	M ²	840960.00
59	Letter writing and painting to name on wall / steel surface with all size of letter in English, Hindi and Gujarati on cement surface with SYNTHETIC ENEMAL PAINT including all labours and materials with scaffolding as required and 250 mm to 500mm height two coat of background and border complete as directed.	100.00	207.00	M ²	20700.00
60	Lettering / overhead signs with synthetic enamel paint of approved brand, shade and manufacture complete all labour & material as directed by Engineer-in-charge.				
(A)	100 mm height.	500.00	28.53	Each	14265.00
61	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in niform layers of specified thickness with motor grader on prepared surface and compacting with bratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.			M ³	
(A)	With material conforming to Grade-I (size range 75 mm to 0.075 mm) having CBR Value-30	630.00	1860.67		1172222.10
62	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 mechanical paverfinisher 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	1260.00	1962.56	M ³	2472825.60
63	Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributor including preparing the surface & cleaning with mechanical broom.				
(A)	On W.B.M / W.M.M. @ 0.4kg/sqm	13140.00	8.12	M ²	106696.80
(B)	On bituminous surface @ 0.25kg/sqm	13140.00	5.53	M ²	72664.20
64	Providing and laying bituminous macadam using crushed stone aggregates of specified grading premixed with bituminous binder, transported to site by tippers, laid over a previously prepared surface with paver finisher equiped 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 specifcatons and directions of Engineer-in-Charge.				

Sr.No	DESCRIPTION	Quantity	Rate	Unit	Amount
			IN FIG.		
(A)	50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 3.50% (percentage by weight of total mix) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.	985.50	5429.48	M ³	5350752.54
65	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 equiped 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.				
(A)	40/50 mm compacted thickness with bitumen of grade VG-30 @ 5.5% (percentage by weight of total mix) and lime filler @ 3% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.	525.60	7609.53	M ³	3999568.97
66	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre. (cost of M.S. angle, C.C. blocks shall be paid separately)	900.00	212.56	R.Mt.	191304.00
67	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	14250.00	10.15	M ²	144637.50
68	Providing and laying green grass carpet loan inside island complete with all labours and materials as directed by engineer in charge.	800.00	565.40	M ²	452320.00
69	Collection of sweet earth with 5% manure (goat dropping & cow dung dried) free from foreign materials subject to the approval of Engineer-in-Charge including excavation, royalty loading, unloading, stacking, filling, spreading, watering and , transportation, up to lead of 20 Km etc. as directed (With all labour and materials)	984.00	893.93	M ³	879627.12
70	Providing and laying green trees in said position inside and outside cargo jetty area including loosung the soil placing the plants providing necessary support, watering etc. all complete as directed by Engineer-in-charge.	650.00	145.92	No.	94848.00

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			IN FIG.		
71	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.				
(A)	15 mm nominal outer dia. Pipes.	720.00	154.95	R.Mt.	111564.00
(B)	20 mm nominal outer dia. Pipes.	400.00	192.68	R.Mt.	77072.00
(C)	25 mm nominal outer dia. Pipes.	300.00	259.46	R.Mt.	77838.00
(D)	32 mm nominal outer dia. Pipes	100.00	304.54	R.Mt.	30454.00
(E)	40 mm nominal outer dia. Pipes.	20.00	391.44	R.Mt.	7828.80
(F)	50 mm nominal outer dia. Pipes.	20.00	568.30	R.Mt.	11366.00
(G)	62.50 mm nominal inner dia. Pipes.	20.00	1103.83	R.Mt.	22076.60
(H)	75 mm nominal inner dia. Pipes.	20.00	1393.28	R.Mt.	27865.60
(I)	100 mm nominal inner dia. Pipes.	20.00	1968.23	R.Mt.	39364.60
72	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.				
(A)	1000 liter capacity.	5000.00	6.79	Ltr.	33950.00
(B)	500 liter capacity.	5000.00	6.79	Ltr.	33950.00
73	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:				
(A)	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests.	5.00	4046.95	Each	20234.75
74	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :				
(A)	W.C. pan with ISI marked white solid plastic seat and lid.	15.00	3878.39	Each	58175.85
75	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required.				
(A)	One urinal basin with 5 litre white P.V.C. automatic flushing cistern.	15.00	3688.20	Each	55323.00

Sr.No	DESCRIPTION	Quantity	Rate	Unit	Amount
			IN FIG.		
76	Providing and fixing wash basin with C.I.brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:				
(A)	White Vitreous China Wash basin size 630x450mm with a single 15 mm C.P. brass pillar tap.	10.00	1339.63	Each	13396.30
77	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
(A)	20 mm dia. nominal bore.	5.00	323.23	Each	1616.15
(B)	25 mm dia. nominal bore.	5.00	372.65	Each	1863.25
(C)	32 mm dia. nominal bore.	5.00	412.93	Each	2064.65
(D)	50 mm dia. nominal bore.	5.00	614.78	Each	3073.90
78	Providing and fixing brass stop cock of approved quality				
(A)	15 mm dia. nominal bore.	20.00	212.70	Each	4254.00
(B)	20 mm dia. nominal bore.	20.00	229.57	Each	4591.40
79	Providing and fixing brass bib cock of approved quality :				
(A)	15 mm dia. nominal bore.	20.00	212.70	Each	4254.00
80	Providing and fixing PTMT pillar cock of approved quality and colour.				
(A)	15 mm nominal bore, 107 mm long, weighing not less than 110 gms.	10.00	126.56	Each	1265.60
81	Providing and fixing PTMT urinal cock of approved quality and colour.				
(A)	15 mm nominal bore, 80 mm long, 42 mm high and 30mm wide with BSP female threads weighing not less than 48 gms.	10.00	104.97	Each	1049.70
82	Providing and fixing uplasticised PVC connection pipe with brass unions :				
(A)	30 cm length 15 mm nominal bore.	20.00	52.36	Each	1047.20
83	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
(A)	Flexible pipe 40mm dia.	30.00	31.68	Each	950.40
84	Cleaning of under ground sump, Over Head R.C.C. Tank (independent staging) including disposal of slit and rubbish, all as per direction of Engineer-in-Charge. Tank shall be emptied of water by pumping & bottom shall be cleaned of slit and other deposits. Entire surface area of the sump shall then scrubbed thoroughly with wire brush etc. and pressure washed with water. Chlorination of RCC internal surface by liquid chlorine. The treated surface shall be dried using air jetting and all loose particles shall be removal from the surface. Finally the surface shall be treated with ultraviolet radiation etc. as per direction of Engineer-in-Charge.	360.00	49.91	M ²	17967.60

Sr.No	DESCRIPTION	Quantity	Rate	Unit	Amount
			IN FIG.		
85	Removing of damaged fender frontal frame, fascia pad, cell fenders from its position by detaching all its fixtures, cutting of all 'D' shackles and chains etc. detaching all nuts & bolts removing the frontal frame from its position and transport and unload the same at site office of contractor or at sub store inside oil jetty work comprise of hire charges of hydra/craina/any equipments required for the removal of frontal frame from its position as directed by the engineer in charge. (Work to be done under tidal conditions)	4.00	26824.00	Job Work	107296.00
86	Fixing of frontal frame to its position over cell fender, fascia pad to over frontal frame, cell fender to connect with frontal frame and quayface. which includes fixing all fixtures like 40/38mm, 150mm long BSW, SS 304 nut bolts with two washers comprise of hire charges of hydra/craina/any equipments required for the removal of frontal frame from its position complete as directed by Engineer-In-Charge. (Work to be done under tidal conditions)	8.00	27332.49	Job Work	218659.92
87	Manufacturing ,supplying and fixing of 1000H Cell Fender at oil jetty in good condition with no defect. The work comprises transportation of cell fender from sub store of oil jetty to work place with all labours etc complete as directed by engineer in charge. For Old fender damaged fender.	6.00	196743.18	Each	1180459.08
88	Providing & fixing 16mm dia. Anchor fastener of 150mm length with drilling holes in concrete with all labour & materials as directed by Engineer in Charge. (Work to be done under tidal conditions)	100.00	366.26	No.	36626.00
89	Providing & fixing following fixtures to the existing 1000H cell fenders at various location inside oil jetty area including cost of labour and materials as directed by Engineer-In-Charge.				
(A)	40mm thick Antifriction and anti sparking UHMW synthetic resin double coloured fascia pad of required size to be fitted on top of frontal steel frame with 9 Nos. SS304 nut and washer M -16 x 60mm long stud and washers for fixing resin pad with frontal frame for fendering system. (Work to be done under tidal conditions)	22.50	17550.10	M ²	394877.25
(B)	S.S. - 304 U-Hook of dia. 40mm x 400mm long taper pin to be fixed in quay wall face to anchor Horizontal chain / Suspension chain / Shear chain etc, complete all labour material as directed by Engineer-In-Charge. (Work to be done under tidal conditions)	20.00	4230.40	No.	84608.00
(C)	32mm dia Hot dipped galvanized high tensile stud link shear / Suspension chain with suitable cushion link and Hot Dip Galvanised 40/42mm D - Shackle at one end and S.S. - 304 adjustable shackle 28mm x 300mm long at the other end fixed with U-Hook of 40mm dia and 400mm long in quay wall face. (Work exclusive of cost of providing & fixing of U - hook) (Work to be done under tidal conditions)	25.00	11050.70	R.Mt.	276267.50

Sr.No	DESCRIPTION	Quantity	Rate	Unit	Amount
			IN FIG.		
(D)	S.S. - 304 38mm x 120mm long bolt with nut and washer to the existing Quay wall to Cell type fender and Cell type fender to frontal frame of fender. Matching the holes of frontal frame and cell type fender fixing the bolt etc. complete as directed. (Work to be done under tidal conditions)	12.00	1650.50	No.	19806.00
(E)	S.S. - 304 38mm x 390mm long stud type anchor bolt with sleeve, nut and washer for fixing the base frame or cell type fender to existing RCC muff which includes making core cutting holes in RCC muff and lifting the base frame or cell fender with hydra or crane to carry necessary weight as directed by engineer in charge. (Work exclusive of cost of base frame or cell fender) (Work to be done under tidal conditions)	20.00	3810.20	No.	76204.00
90	Providing and suppling following men power for regular maintance of oil jetty area.				
(A)	Masoon	600.00	784.00	Day	470400.00
(B)	Carpenter	400.00	714.00	Day	285600.00
(C)	Fitter	200.00	784.00	Day	156800.00
(D)	Belder (7x720days)	5040.00	645.00	Day	3250800.00
(E)	Mistry / Supervisor (2x720days)	1440.00	784.00	Day	1128960.00
(F)	SHW (15x720days)	10800.00	645.00	Day	6966000.00
91	Providing and suppling following equipment for day to day maintance of oil jetty area with Operater,fuil etc all complet.				
(A)	Tractor with Trolley	720.00	1200.00	Day	864000.00
(B)	Tractor with Tanker	720.00	1200.00	Day	864000.00
(C)	JCB	125.00	7000.00	Day	875000.00
(D)	Hydra	125.00	3500.00	Day	437500.00
				Total	46650953.30
	I / We am/are willing to carry out this work at _____ % above/below (percentage should be written in figure and words).				
	The tendered rates mentioned above amount of my / our tender are put as under:-				
	Estimated amont put to tender Rs. _____				
	Deduct _____ % below (-) Rs. _____				
	Net Rs. _____				
	_____)				
	CONTRACTOR		Executive Engineer (PL)		
			DEENDAYAL PORT AUTHORITY		