

Schedule-B

Name of Work:- Maintenance Contract for Residential & Non-residential Buildings of New Port Colony at New Kandla for the period of two years.

Sr. No.	Description of Items	Quantity	Unit		Rate	Amount (in Figures)
			(in Fig.)	(in Words)	(in Fig.)	
1	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.	25.00	m ³	Cubic Meter	143.82	₹ 3,595.50
2	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.	25.00	m ³	Cubic Meter	177.77	₹ 4,444.25
3	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.	33557.68	m ²	Squire Meter	10.15	₹ 3,40,610.43
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal	10.00	m ³	Cubic Meter	4428.24	₹ 44,282.40
5	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 :1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	50.00	m ³	Cubic Meter	7129.54	₹ 3,56,477.00

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			(in Fig.)	(in Words)	(in Fig.)	
6	Centering and shuttering including strutting, propping etc. and removal of form for all heights :					
6.1	Foundations, footings, bases for columns	50.00	m ²	Squire Meter	215.57	₹ 10,778.50
6.2	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	50.00	m ²	Squire Meter	468.69	₹ 23,434.50
6.3	Suspended floors, roofs, landings, balconies and access platform	50.00	m ²	Squire Meter	536.59	₹ 26,829.50
7	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level: Thermo-Mechanically Treated bars of grade Fe-500	4000.00	KG	Kilogram	62.76	₹ 2,51,040.00
8	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	25.00	m ³	Cubic Meter	4,660.78	₹ 1,16,519.50
9	Random rubble masonry with hard stone in super structure above plinth level up to floor five level, including levelling up with cement concrete 1:6:12 (1 cement, 6 coarse sand, 12 graded trap stone aggregates 20 mm nominal size) at window seals, ceiling level and the like. In cement mortar 1:6 (1 cement, 6 coarse sand).	25.00	m ³	Cubic Meter	5792.99	₹ 1,44,824.75
10	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	50.00	m ²	Squire Meter	2,736.16	₹ 1,36,808.00

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			(in Fig.)	(in Words)	(in Fig.)	
11	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).Kiln seasoned and chemically treated hollock	5.00	m ³	Cubic Meter	51,939.79	₹ 2,59,698.95
12	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary.: 30 mm thick	100.00	m ²	Squire Meter	2,352.49	₹ 2,35,249.00
13	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete :					
13.1	100X58X1.90 mm	500.00	No.	No.	27.34	₹ 13,670.00
13.2	75x47x1.80 mm	500.00	No.	No.	22.93	₹ 11,465.00
14	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 :					
14.1	300x16 mm	200.00	each	each	182.21	₹ 36,442.00
14.2	250x16 mm	200.00	each	each	164.43	₹ 32,886.00
15	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 :					
15.1	150x10 mm	200.00	each	each	52.89	₹ 10,578.00
15.2	250x16 mm	200.00	each	each	41.06	₹ 8,212.00

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Sr. No.	Description of Items	Quantity	Unit		Rate	Amount (in Figures)
			(in Fig.)	(in Words)	(in Fig.)	
16	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.					
16.1	125 mm	200.00	each	each	42.04	₹ 8,408.00
16.2	100 mm	200.00	each	each	37.28	₹ 7,456.00
17	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	10000.00	Kg.	Kilogram	78.37	₹ 7,83,700.00
18	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. 40 mm thick with 20 mm nominal size stone aggregate	700.00	m ²	Squire Meter	381.50	₹ 2,67,050.00
19	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.	100.00	m ²	Squire Meter	1,426.99	₹ 1,42,699.00
20	Providing and fixing 1st quality ceramic glazed wall 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	200.00	m ²	Squire Meter	744.42	₹ 1,48,884.00

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Sr. No.	Description of Items	Quantity	Unit		Rate	Amount (in Figures)
			(in Fig.)	(in Words)	(in Fig.)	
21	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 colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick 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 pigment etc. complete.	200.00	m ²	Squire Meter	654.92	₹ 1,30,984.00
22	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. : Size of Tile 600x600 mm	400.00	m ²	Squire Meter	991.66	₹ 3,96,664.00
23	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. Size of Tile 600x600 mm.	75.00	m ²	Squire Meter	1,026.55	₹ 76,991.25
24	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	2000.00	m ²	Squire Meter	206.40	₹ 4,12,800.00
25	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	15000.00	m ²	Squire Meter	11.45	₹ 1,71,750.00
26	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification.	15000.00	m ²	Squire Meter	64.93	₹ 9,73,950.00
27	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm	10000.00	m ²	Squire Meter	68.32	₹ 6,83,200.00

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Sr. No.	Description of Items	Quantity	Unit		Rate	Amount (in Figures)
			(in Fig.)	(in Words)	(in Fig.)	
28	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :					
28.1	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	8000.00	m ²	Squire Meter	101.43	₹ 8,11,440.00
29	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	1800.00	m ²	Squire Meter	98.04	₹ 1,76,472.00
30	Lettering with black Japan/ Synthetic enamel/ floor enamel/ enamel paint of approved brand and manufacture as directed by engineering incharge.	1000.00	per letter per cm height	per letter per cm height	3.54	₹ 3,540.00
31	Cleaning of terrace/loft water storage tank (inside surface area) upto 2000 litre capacity at all heights with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank, including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba, all complete as per direction of Engineer-in-Charge. (The old date already written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this	200000.00	litre	litre	0.28	₹ 56,000.00
32	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material i/c malba, all complete as per the direction of Engineer-in-charge. Orissa pattern W.C Pan of size 580x440 mm	50.00	each		2,695.46	₹ 1,34,773.00

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			(in Fig.)	(in Words)	(in Fig.)	
33	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.	50.00	each	each	228.17	₹ 11,408.50
34	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	50.00	m ³	Cubic Meter	1,404.97	₹ 70,248.50
35	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.	50.00	m ³	Cubic Meter	2,049.67	₹ 1,02,483.50
36	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	200.00	m ³	Cubic Meter	153.55	₹ 30,710.00
37	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.	600.00	m ²	Squire Meter	652.65	₹ 3,91,590.00

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			(in Fig.)	(in Words)	(in Fig.)	
38	Providing and placing in position 100 mm thick factory made machine batched & machine mixed Precast RCC Rectangular Covers on drains of footpath of various sizes, of M-25 grade cement concrete for RCC work, including cost of centering, shuttering, reinforcement of 8 mm dia TMT bars of Fe 500 grade @ maximum 100mm c/c on both ways , neat cement punning on finished surface, properly encased on all edges with 1.6 mm thick , 100 mm wide MS sheet duly painted over priming coat , reinforcement to be welded at edges with MS sheet and providing 2 Nos. 12 mm dia bar for hooks etc i/c cost of cartage, all leads & lift, handling at site etc. all complete as per direction of Engineer-in-Charge.	100.00	m ²	Squire Meter	1,832.01	₹ 1,83,201.00
39	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	20.00	Each	Each	4,858.91	₹ 97,178.20
40	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: White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	20.00	Each	Each	1,428.60	₹ 28,572.00
41	Providing and fixing 100 mm sand cast Iron grating for gully trap.	50.00	Each	Each	31.68	₹ 1,584.00
42	Providing and fixing soil, waste and vent pipes : 100 mm dia	100.00	Meter	Meter	712.64	₹ 71,264.00

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			(in Fig.)	(in Words)	(in Fig.)	
43	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.					
43.1	20 mm nominal outer dia Pipes	200.00	metre	metre	192.68	₹ 38,536.00
43.2	25 mm nominal outer dia Pipes	200.00	metre	metre	259.46	₹ 51,892.00
43.3	32 mm nominal outer dia Pipes	200.00	metre	metre	304.54	₹ 60,908.00
44	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore	300.00	each	each	303.94	₹ 91,182.00
45	Providing and fixing PTMT grating of approved quality and colour. 100 mm nominal dia	100.00	each	each	23.24	₹ 2,324.00
46	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	20.00	each	each	372.65	₹ 7,453.00
47	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 150 mm dia.	100.00	metre	metre	345.17	₹ 34,517.00
48	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	50.00	m ²	Squire Meter	361.62	₹ 18,081.00

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			(in Fig.)	(in Words)	(in Fig.)	
49	Crazy ceramic tile flooring, with under layer 12 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), with joints not exceeding 5 mm, including filling the gaps with ordinary cement mixture & mixing with synthetic polyester fibre, triangular in shape having specific gravity of 1.34 to 1.40, cross section size ranging from 10 to 40 micron & length upto 6 mm , mixing fibre @ 125 grams per 50 kg of cement in cement mortar,including providing and mixing water proofing material in mortar @ 1 kg per 50 kg of cement, all complete as per direction of Engineer-in charge	400.00	m ²	Squire Meter	570.82	₹ 2,28,328.00
50	Supplying of Tractor with trolley including O&M charges	150.00	Day	Day	1113.00	₹ 1,66,950.00
51	Supplying of Carpenter for repairing of Existing Buildings door/ window etc,all types of wooden work in New Port Colony as directed by Engineer In Charge.	400.00	day	day	695	₹ 2,78,000.00
52	Supplying of Plumber/ Fitter for repairing/ Replacing of Existing water supply pipe etc,all types of plumbing work in New Port Colony as directed by Engineer In Charge.	400.00	day	day	727.00	₹ 2,90,800.00
53	Supplying of mason for repairing of Existing buildings, work in New Port Colony as directed by Engineer In Charge.	400.00	day	day	695.00	₹ 2,78,000.00
54	Supplying of Helper for repairing of Existing buildings, work in New Port Colony as directed by Engineer In Charge.	500.00	day	day	662.00	₹ 3,31,000.00
55	Providing of Cement (OPC grade) including loading and unloding and satcking On site	48.35	MT	Metric Tonne	4772.00	₹ 2,30,726.20

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56	Providing of aggregate size of 20-40mm including loading and unloading and sacking On site .	50.00	M3	Cubic Meter	1450.00	₹ 72,500.00
57	Providing of course/ fine sand including loading and unloading and sacking On site.	150.00	M3	Cubic Meter	987.00	₹ 1,48,050.00
Amount						₹ 1,07,72,093.00

I / We am/are willing to carry out this work at _____ % below / above. (Percentage should be written in figures and words) of the tendered rates. Mention to above amount of my / our tender are put as under:

Estimate cost put to Tender Rs. **₹ 1,07,72,093.00**
Tender _____ % above / below.
Net Rs. _____

CONTRACTOR

Executive Engineer (R)
Deendayal Port Authority