

SCHEDULE B**Name of Work:- Annual Maintenance Contract for A. O. Building at Gandhidham for 02 years.**

Sr. No.	Description of Items	Quantity	Rate	Unit		Amount
			In fig.	In Fig.	In Words	
1	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.All kinds of soil.	200	200.80	m3	One meter cube	40,160.00
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.	200	177.77	m3	One meter cube	35,554.00
3	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.					
	(A) All kind of soils	40,000	19.71	m2	One Square meter	7,88,400.00
4	Providing and laying cement concrete mix in bed blocks consisting of ingredients of cement sand and crushed graded trap stone metal etc including mixing, depositing, consolidating, leveling, curing and necessary shuttering etc. complete.					
	(A) 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	40.00	6,562.64	m3	One meter cube	2,62,505.60

5	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 aggregate 40 mm nominal size)	20.00	4,428.24	m3	One meter cube	88,564.80
6	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, including the cost of centering, shuttering,finishing (excluding the cost of reinforcement) with 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	40.00	7,503.51	m3	One meter cube	3,00,140.40
7	Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete in shelves, including setting in cement mortar 1:3 (1cement : 3 coarse sand), cost of required centering, shuttering and finishing with neat cement punning on exposed surfaces but ,excluding the cost of reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size): Precast Slab for Manholes /SWD covers.	20.00	13,051.22	m3	One meter cube	2,61,024.40
8	Steel reinforcement for R.C.C. work including straightening, cutting,bending, placing in position and binding all complete above plinth level.					
	(A) Thermo-Mechanically Treated bars of grade Fe-500 D or more.	2,000.00	62.76	Kg	kilogram	1,25,520.00
9	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :					

	(A) Cement mortar 1:6 (1 cement : 6 coarse sand)	20.00	5,801.85	m3	One meter cube	1,16,037.00
10	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in:					
	(A) Cement mortar 1:4 (1 cement : 4 coarse sand)	200.00	586.50	m2	One Square meter	1,17,300.00
11	Providing & laying cement concrete solid blocks 1:8:6 (machine made) confirming to relevant IS (Latest Edition) masonry 200 mm thick set in cement mortar 1:6 including curing etc. complete as directed.					
	(A) In superstructure upto floor two level. (O.P.C.)	40.00	3,301.00	m3	One meter cube	1,32,040.00
12	Providing & laying cement concrete solid block masonry 1:8:6 (machine made) 100mm thick set in cement mortar 1:6 including curing etc. complete as directed.					
	(A) In superstructure upto floor two level.	100.00	1,085.00	m2	One Square meter	1,08,500.00
13	12 mm thick pre laminated prartical board (decorative lamination on both sides) grade-I, medium density that pressed, three layer particle board FPT-I or graded wood particle board FPT-I, confirming to IS:3087, bonded with BWP type synthetic resin adhesive as per IS:848 and pre-laminated confirming to IS-12823 Grade-I type-II marked.	20.00	1,971.10	m2	One Square meter	39,422.00
14	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	Each	1,271.20
	(B) 100x10 mm	20.00	41.06	Each	Each	821.20
15	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. complete :					
	BRASS/C.P BRASS FITTINGS :					
	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete :					
	(A) 200x10 mm	30.00	210.39	Each	Each	6,311.70
	(B) 100x10 mm	60.00	112.21	Each	Each	6,732.60
16	Providing and fixing chromium plated brass handles with necessary screws etc. complete:					
	(A) 125 mm	60.00	158.55	Each	Each	9,513.00
	(B) 100 mm	60.00	139.44	Each	Each	8,366.40
17	Providing and fixing chromium plated brass night latch of approved quality including necessary screws etc.complete.	24.00	600.32	Each	Each	14,407.68
18	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.	300.00	599.41	Each	Each	1,79,823.00

19	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) : for fixed position					
	(A) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	400.00	303.77	kg	One Kilogram	1,21,508.00
20	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 4.0 mm thickness	80.00	713.86	m2	One Square meter	57,108.80
	(B) With float glass panes of 8 mm thickness	20.00	1,047.31	m2	One Square meter	20,946.20
	(C) With float glass panes of 5.50 mm thickness	100.00	927.89	m2	One Square meter	92,789.00

21	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	80.00	665.74	m2	One Square meter	53,259.20
22	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	1,714.20	Each	Each	17,142.00

23	<p>Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on interlocking metal grid of hot dipped galvanized steel sections (galvanized @ 120 suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.</p>					
	<p>(A) 8 mm thick fully perforated calcium silicate board made with Calcareous & Siliceous materials reinforced with cellulose fiber manufactured through autoclaving process to give stable crystalline structure with minimum compressive strength 225 kg/ sq. cm, bending strength 100 kg/sq. cm , of size 595x595 mm, having perforation of dia. 10 mm with minimum perforated area 18 % with non woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.85, with 50 mm thick rockwool of 48 kg /cum backing</p>	700.00	1,296.05	m2	One Square meter	9,07,235.00

24	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 conforming to IS : 1322	200.00	302.47	m2	One Square meter	60,494.00
25	Supplying and applying bituminous solution primer on roof and / or wall surface at 0.24 litre per sqm.	200.00	35.18	m2	One Square meter	7,036.00
26	Cement concrete pavement with 1:2:4 (1 cement : 2 coarse sand :4 graded stone aggregate 20 mm nominal size), including finishing complete.	40.00	5,571.06	cum	One meter cube	2,22,842.40
27	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 aggregate	400.00	381.50	m2	One Square meter	1,52,600.00

28	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (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 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.	20.00	857.57	m2	One Square meter	17,151.40
29	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	100.00	744.42	m2	One Square meter	74,442.00
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) Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble Area of slab over 0.50 sqm sqm	10.00	1,847.62	m2	One Square meter	18,476.20

31	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	200.00	991.66	m2	One Square meter	1,98,332.00
32	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	20.00	1,173.31	m2	One Square meter	23,466.20
33	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 (1cement: 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.	100.00	656.95	m2	One Square meter	65,695.00

34	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 & direction of Engineer-in-Charge.					
	(A) 60mm thick Cement concrete paver block of M- 35 grade with approved colour, design & pattern.	1,000.00	652.65	m2	One Square meter	6,52,645.00
35	12 mm cement plaster of mix 1:4 (1 cement: 4 fine sand)	1,000.00	206.40	m2	One Square meter	2,06,395.00
36	Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5 sqm and under, including cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, including disposal of rubbish, all complete as per the direction of Engineer-In- Charge.	300.00	378.25	m2	One Square meter	1,13,475.00
37	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :					
	(A) 15 mm nominal bore	50.00	303.94	Each	Each	15,197.00
38	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.					

	(A) 15 mm nominal bore	10.00	500.54	Each	Each	5,005.35
39	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS. 8021					
	(A) 15 mm nominal bore	40.00	416.33	Each	Each	16,653.00
40	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) Sal wood	4.00	74,704.60	M3	One Cubic Meter	2,98,818.40
41	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : (A) Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :					

	(A) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	6.00	8,180.97	Each	Each	49,085.82
42	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall					
	(A) 15 mm nominal outer dia Pipes	100.00	179.13	Rmt	One Running Meter	17,913.00
	(B) 20 mm nominal outer dia Pipes	100.00	227.57	Rmt	One Running Meter	22,757.00
	(C) 25 mm nominal outer dia Pipes	100.00	285.99	Rmt	One Running Meter	28,599.00
	(D) 32 mm nominal outer dia Pipes	100.00	350.67	Rmt	One Running Meter	35,067.00
	(E) 40 mm nominal outer dia Pipes	100.00	472.05	Rmt	One Running Meter	47,205.00
	(F) 50 mm nominal outer dia Pipes	100.00	648.90	Rmt	One Running Meter	64,890.00
43	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.					

	(A) 15 mm nominal outer dia Pipes	100.00	308.81	Rmt	One Running Meter	30,881.00
	(B) 20 mm nominal outer dia Pipes	100.00	359.63	Rmt	One Running Meter	35,963.00
	(C) 25 mm nominal outer dia Pipes	100.00	438.24	Rmt	One Running Meter	43,824.00
44	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: External work					
	(A) 15 mm nominal outer dia Pipes	100.00	154.95	Rmt	One Running Meter	15,495.00
	(B) 20 mm nominal outer dia Pipes	100.00	192.68	Rmt	One Running Meter	19,268.00
	(C) 25 mm nominal outer dia Pipes	100.00	259.46	Rmt	One Running Meter	25,946.00
	(D) 32 mm nominal outer dia Pipes	100.00	304.54	Rmt	One Running Meter	30,454.00
	(E) 40 mm nominal outer dia Pipes	100.00	391.44	Rmt	One Running Meter	39,144.00
	(F) 50 mm nominal outer dia Pipes	100.00	568.30	Rmt	One Running Meter	56,830.00

45	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) Circular tank	8,000.00	6.79	per Litre	One Liter	54,320.00
46	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	10.00	3,688.20	Each	Each	36,881.95
47	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively.	10.00	967.61	Each	Each	9,676.10
48	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 630x450 mm with a single 15 mm C.P. brass pillar tap	10.00	1,339.63	Each	Each	13,396.30
49	White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	10.00	1,175.72	Each	Each	11,757.20

	(A) Stainless Steel AISI-304(18/8) Wash basin 530x345 mm with single 15 mm C.P. brass pillar tap	20.00	2,533.72	Each	Each	50,674.40
50	Providing & fixing 15mm dia. C.P. brass pillar taps of approved quality to hand wash basins.					
	(A) Providing and fixing 15mm dia C.P. Brass Pillar Tap with weight not less than 450grams as directed by the Engineer-in-charge.	50.00	974.00	Each	Each	48,700.00
51	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.					
	(A) 10 litre capacity - White (Basic rate of Flushing Cistern P.V.C. 10 litre capacity (low level) (White) (with fittings, accessories and flush pipe) : Rs. 575/Each)	10.00	716.14	Each	Each	7,161.35
52	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.					
	(A) 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms. (Basic Rate of PTMT - Towel Rail (600 mm) : Rs.145.00/each)	10.00	420.25	Each	Each	4,202.50
53	Providing & fixing White/coloured 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.					

	(A) Orissa pattern W.C Pan of size 580x440 mm (Basic Rate of Vitreous china orrisa type W.C. pan size 580 mm : Rs.1290.00/each)	10.00	2,695.46	Each	Each	26,954.55
54	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	20.00	4,858.91	Each	One Number	97,178.20
55	Supplying of Name plates, Designation Plate / Notice Board etc. made of superior quality 3mm thick acrylic material milky sheet with blue vinayle computerized letter writing in different sizes including cost of adhesive labour and material etc.complete as directed by Engineer-in-charge.	4,078.00	5.00	Sq.inch	One Square Inch	20,390.00
56	Repairing / Rewinding of electric driven motors of required HP and installation of the same in the proper place with cost of rewinding, capacitor, repairing of body, bush etc and other accessories of motors etc complete as directed.					
	(A) 1/2 HP motor	6.00	1,610.00	Each	Each	9,660.00
	(B) 1.5 HP motor	2.00	2,000.00	Each	Each	4,000.00
	(C) 2.0 HP Motor	4.00	3,000.00	Each	Each	12,000.00
	(D) 3.0 HP Motor	4.00	4,450.00	Each	Each	17,800.00
	(E) 7.5 HP Motor	4.00	5,950.00	Each	Each	23,800.00
57	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade					
	(A) One or more coats on old work	1,000.00	60.59	m2	One Square Meter	60,590.00

58	Lettering with black Japan/ Synthetic enamel/ floor enamel/ enamel paint of approved brand and manufacture as directed by Engineer-in-charge.	1,000.00	3.54	m2	One Square Meter	3,540.00
59	Providing and fixing sets of Bathroom Accessories of reputed brand and matching designs with concealed/ hidden screws strictly upon approval by engineer-in-charge. The cost shall include proper and careful fixing of all sets with Galvanised countersunk screws and nylon gattis as required without damaging existing pipelines, conduits, cables, wires, switchboards or any such item concealed inside wall below the tiles. The fixing must be in proper level and at places as directed by the engineer-in- charge					
	(A) 32 mm dia Waste pipe	100.00	73.05	Each	Each	7,305.00
	(B) PVC Connector to Wash Basin(0.60 m)	100.00	46.00	Each	Each	4,600.00
	(C) Steel Jalli of Nahni Trap(15 cm X15 Cm)	60.00	139.00	Each	Each	8,340.00
	(D) C.P.Brass Waste Coupling of wash basin (Basic Rate: Rs 339 per No.)	50.00	209.00	Each	Each	10,450.00
	(E) C.P.Brass Soap Dish (Basic Rate: Rs 499 per No.)	10.00	111.27	Each	Each	1,112.70
	(F) C.P.Brass Hand faucet (Basic Rate: Rs 2060 per No.)	60.00	231.82	Each	Each	13,909.20

60	Trimming the branches of tree within and surrounding area of Buildings trimming should be done upto 3.00 mtr. height from ground level. It is to be ensured that no branches of trees remain below 3.00 mtr height from ground. The trimmed material is to be removed outside the area by tractor/trolley upto lead 4.00km as directed by Engineer-in-charge. The rate are inclusive all tools, plants, manpower & tractor with Driver labour diesel etc.	1,000.00	50.00	one tree	One Tree	50,000.00
61	Painting road surface marking with adequate nos of coats to give uniform finish with ready mixed road marking paint conforming to IS the surface of all dirt, scales, oil, grease and foreign material etc. complete.					
	(A) Old work (One or more coats)	200.00	110.32	m2	One square meter	22,064.00
62	Demolition above ground level upto floor two level including disposal of unserviceable materials within 100 meter lead.					
	(A) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	40.00	1,404.97	m3	one meter cube	56,198.80
	(B) Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	20.00	867.72	m3	one meter cube	17,354.40
63	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.	30.00	2,049.67	m3	one meter cube	61,490.10
64	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineerin- charge :					

	(A) In cement mortar	10.00	1,418.97	m3	one meter cube	14,189.70
65	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.					
	(A) For thickness of tiles 10 mm to 25 mm	200.00	42.35	m2	one meter cube	8,470.00
66	Leakage repair of various existing water supply lines by carrying excavation and refilling of trenches dewatering if any, including all the jointing material etc. all material and labour complete required for leakage repairs excluding cost of M.S.clamp, M.S. fitting PVC/RCC/DI/CI pipe fittings.					
	(A) 50 mm to 150 mm dia	40.00	4,210.00	No	One Number	1,68,400.00
67	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC Slab/balconies/ chajjas etc. as per specifications and direction of Engineer-In-charge complete in all respect.					
	(A) SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer.	400.00	117.75	m2	one meter cube	47,100.00
68	Upkeeping the area inside A.O.building including open grounds and inside compound wall of all the bungalows and with approach by sweeping, collecting and removing, dressing, cutting the grass, jungle weeds, small unwanted trees, plants, babools, vegetation and removal of waste from dust bins. (all the work will be operated together) and disposed off from A.O. Building by tractor / trolley upto 13 km lead or as directed by Engineer-in-charge.					

	(A) A.O. Building	208.00	6,680.00	1 time	Per One Time	13,89,440.00
69	Cleaning and removal of deposited waste sludge / garbage's debris etc. what ever is accumulated from gully trap, manhole and inspection chamber of drainage at various location in A.O. building including disposal of garbage by tractor / trolley up to the lead of 13 Km as directed by Engineer - in -charge.					
	(i) Gully trap.	320.00	25.00	01 No.	One Number	8,000.00
	(ii) inspection Chamber	320.00	205.00	01 No.	One Number	65,600.00
	(iii) Manhole	80.00	422.00	01 No.	One Number	33,760.00
70	Disposal of dead body of animals including loading unloading manually or mechanically and disposal the same by tractor /trolley with necessary cover and at appropriate place lead of 4.00 Km including all labour, tools, machinery required complete as directed.					
	(A) Dog, pig, cat etc.(as and when required) A.O.Building inside area	100.00	152.00	01 No.	One Number	15,200.00
71	Removal of garbages and waste etc. by tractor / trolley having 4.50 m3 capacity with four labour, tools & plants. Rates inclusive labour, tools & plants, Tractor / trolley, Driver & diesel etc. complete. (as and when required) for lead upto 13 KM from AO Building .	400.00	1,070.00	1 Trip	One Trip	4,28,000.00

72	Upkeeping of the area of A.O. Buildingy (as & when required) by providing & engaging average (04) Four workers / persons maximum of 8 working hours a day for maintaining the drainage line, office dust bin, etc.with personal supervision and monitoring the above mentioned job inclusive of all taxes as per labour laws, Service tax duties etc. and incurred for execution of this job as directed by <u>Engineer-in-charge.</u>	2,880.00	607.00	01 No.	Per person per day	17,48,160.00
73	Providing and antitermite tretment with termiseal green to the surrounding area of building by using W.H.O enlisted chemical by service operator manually operating by spray pump for the rodent control using imported gum pad and rat traps etc. completed as directed	11,000.00	55.00	01 M2	One Meter Square	6,05,000.00

74	Providing and Supplying Fogging Machine with following features:Light Weight , portable & extremely user friendly.It should be equipped with superior quality VAC motors, non rotating vortex design nozzle assembly & precision flow metering valves Machine should be highly versatile & ideal equipment to dispense wide range of chemical solutions like disinfectants, fungicides, germicides etc.Power supply 220V AC, 50 or 60 HZIt should have rugged design power head housing & 5 liter chemical solution tank from corrosion resistant HDPE plasticSize of aerosol should be submicron.Nozzle assembly should be Non clogging design-Stain Steel needle non reactive Eng. Plastic. Can treat 15000 cuft or larger space within few minutes It should spread to50 ft. distance and reach to 25 ft.height. Auto switch off timer in separate box 0 to 60 minutes.Silicon tubing comlies to FDA and USP class VI. Machine should be CE certified and SSI registre It should have rugged design power head housing & 5 liter chemical solution tank from corrosion resistant HDPE plastic.					
	(A) A.O.Building	32.00	15,000.00	1 Time	One Time	4,80,000.00
75	Removing old whitewash / distempering from wall surface even by thoroughly cleaning oil, grease, dirt & other foreign matter and with wire brushes, fine steel wool, scrapers and sand paper complete as directed by Engineer- in-charge.	2,000.00	11.45	Sqm	One Meter Square	22,900.00
76	Finishing & smoothing the wall surface with two coats of acrylic based cement putty of approved make & brand including and over the one of cement primer on new / old surface etc. complete all labour and material as directed by the Engineer-In-Charge.	4,000.00	65.00	Sqm	One Meter Square	2,60,000.00

77	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: (A) One or more coats on old work	14,000.00	63.60	Sqm	One Meter Square	8,90,400.00
78	Painting with aluminium paint of approved brand and manufacture to give an even shade: (A) One or more coats on old work	200.00	55.58	Sqm	One Meter Square	11,116.00
79	Distempering with dry distempering of approved brand and manufacture (one or more coats) and of required shade on old work to give an even shade. Old work (one or more coats)	2,000.00	39.76	Sqm	One Meter Square	79,520.00
80	Finishing walls with Acrylic Smooth exterior paint of required shade: (A) Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	10,000.00	78.12	Sqm	One Meter Square	7,81,200.00
81	Melamine polishing on wood work (one or more coat).	400.00	82.85	Sqm	One Meter Square	33,140.00
82	Providing and fixing plywood partition between working tables (as shown in Drawing) consist of frame work of hard wood of size 50 x 50mm thick with required numbers of bracings horizontally as well as vertically covered with 6mm thick ply on both side of frame and finished with 1mm thick of laminated sheet all materials shall be used of approved quality brand and shed complete with cost of nails, fevicol, screws, etc of all labours and materials as directed by the Engineer-in-charge.	100.00	5,500.00	Sqm	One Meter Square	5,50,000.00
83	Providing and fixing 12 mm thick frosted glass partition between working tables (As Shown In Drawing) including cost of "D" shape brackets, screws, making the edges of glass bevelled on all sides, taxes complete with all labour and material	40.00	3,500.00	Sqm	One Meter Square	1,40,000.00

84	Providing and fixing vertical blinds 100mm Louver width, quality of approved make fabric made of 100% polyester woven fabric thickness 0.40mm with Acrylic coating resistance to Cracking & Fraying and treated for dust repellency, UV proof , virtually maintenance free having plastic bottom chain thickness of chain-0.50mm and diameter-3mm, Plastic with metal bottom weight - 116.20mmX48.30mm and suitable coating on exterior, including all fixtures and fittings complete in all respect as per design/color/shade including requisite installation brackets etc as required for installation at site with anchoring arrangements complete as directed by the Engineer-in-charge	100.00	2,100.00	Sqm	One Meter Square	2,10,000.00
85	Providing & Fixing of room name plate of size 22" x 7" with Chrome polish front over a base of wood including cutting, fixing at size all taxes with all material & labour as directed by Engineer-in-charge	80.00	7,000.00	Each	Each	5,60,000.00
86	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : (A) Two or more coats on new work	4,000.00	92.02	M2	One Meter Square	3,68,080.00
87	Repairing of existing aluminium window including cutting in required size & shape, fixing as directed by Engineer in	70.00	2,000.00	Sqm	One Meter Square	1,40,000.00
88	Providing and laying/fixing Vinyl flooring 1mm thick as directed by the Engineer-in-charge.	100.00	550.00	Sqm	One Meter Square	55,000.00

89	<p>Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying:</p> <p>(A) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm.</p> <p>(B) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm.</p> <p>(C) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around.</p>	1,400.00	409.89	Sqm	One Meter Square	5,73,846.00
90	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.	1,000.00	78.37	Kg.	One Kilogram	78,370.00
91	Providing and fixing coloured FRP plain sheet 1.70 to 2.00 mm thick of approved "A" class first quality on top of M.S. Structure and fixing with necessary nuts, bolts with washers etc. at required spacing etc. complete as directed by Engineer in charge.	150.00	750.00	M2	One Meter Square	1,12,500.00
92	Providing and filling river sand / stone dust in plinth or foundation & trenches etc. In layers not exceeding 20cm leveling watering and consolidation of each layer by ramming etc. All labour and materials complete.	100.00	570.00	M3	One Cubic Meter	57,000.00

93	Providing and fixing 'Birdedge' stainless steel spikes on windows of A.O. Building; made out of moulded polycarbonate base with ultraviolet stabilizer and of width 0.8" dia of hole 0.156" and dia of centre projection 0.125" and spikes projections are made of stainless steel of wire of dia .061" and spread of 2".0" length fixed with adhesive of superior quality on top of steel structure complete with all labor and materials as directed.	200.00	450.00	Rmt.	One Running Meter	90,000.00
94	Polishing on wood work with ready mixed wax polish of approved brand and manufacture : (A) New work	300.00	114.91	M2	One Meter Square	34,473.00
95	Providing & fixing of Fine Fissured Midrolllok Edge with Silhouette Grid ceiling tiles of size 600mm x 600mm x 15mm having NRC 0.55, Light reflectance of >84% (WT), thermal conductivity k = 0.052 - 0.057 W/m0K, Humidity Resistance of 99%, having Fire Performance Class 0 / Class 1 (BS 476), and 40mm long anchor fasteners, surface having 3 coats of white paint with Fine Fissured, back of the tile duty sanded and finished with a coat of protective paint over the formed grid complete.	159.00	550.00	Each	One Number	87,450.00
96	Painting with Pure Acrylic paint to exterior wall of AO Building, the work includes preparing the surface for exterior wall by scrapping and removing all loose particles and filling up the cracks. Applying a coat of stabilizing solution, applying 2 coats of premium pure acrylic paint as directed by engineer in charge. The work shall be carried out with the help of scaffolding. The acrylic paint is poly fibre mesh and water resistant, super protective film with sun reflect.	1,000	175.00	M2	One Meter Square	1,75,000.00

97	Painting on exterior black stone masonry with pointing work including preparing the surface by scrapping, removing all loose particals and filling of cracks with crack filler of approvad brand. Applying a coat of zinc phosphate primer and two coats of chloro rubber paint with white and black combination to give a glossy finish to the surface. The work shall be carried out with the help of scaffolding.	500.00	180.00	M2	One Meter Square	90,000.00
98	Repairing of existing Revolving chair including fixing of wheel, handle, top cover, threading, cutting and providing revolving chair wheel if required etc... complete as directed.	100.00	800.00	Each	One Number	80,000.00
99	Repairing of existing table including repairing of drawers, replacing of channel, locks, laminates of tables etc... complete as directed.	100.00	750.00	Each	One Number	75,000.00
100	Repairing of existing side rack / cup board including replacing of locks, runners, laminates etc... complete as	100.00	600.00	Each	One Number	60,000.00
101	providing & fixing of wall panels with following specifications including all material & labour as directed by engineer-in-charge:- (A) 12 mm ply box framing with internal hollow space of 80 mm to cover conduits/wires,1 mm sunmica on outerside,12mm x6mm polished groove in ply ,light and switch board (electric) point,palmet space for projector	50.00	6,500.00	M2	One Meter Square	3,25,000.00
102	Repairing of partition including removing of portion replacing of laminates wood frosted glass as and when required, fixing the partition as directed.	50.00	1,700.00	M2	One Meter Square	85,000.00

103	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	4,500.00	Rmt.	One Runnig Meter	2,25,000.00
104	Modification of existing flush door by applying 1.00mm thick sunmica on both side of door & framing with 18mm thick plywood on one side upto 25cm & fixing of same sunmica on it with fevicol S.S railway type hinges 100 mm size etc including all labour , materials etc.. by engineer in charge and as per drawing.	25.00	6,500.00	M2	One Meter Square	1,62,500.00
105	Providing 20mm thick POP punning in right angle on wall as directed by Engineer in charge.	100.00	800.00	M2	One Meter Square	80,000.00
106	Providing flooring with unpolished vitrified tiles 8 to 10mm thick of size 60cm x 60cm of approved make colour shade and size set in CM 1:3 bedding 20mm thick with grouting of joint 5mm deep & 3mm epoxy grout including finishing and curing etc.. complete with all labour and materials as directed.	40.00	2,200.00	M2	One Meter Square	88,000.00

107	Cleaning of toilet unit including bath, w.c., urinal & passages etc. at various places / location in A.O.Building by cleaning the entire toilet blocks including cleaning of sanitary ware, pillar trap, mirrors, wall tiles, cleaning ceiling, doors, windows, fans, lights, jambs etc... depute sweeper on each toilet everyday with latest equipment like floor mopping machine, bathroom cleaning machine & cleaning material & surrounding consisting of open drainage channels, floor drainage chamber, w.c. & urinals including the cost of all floor cleaning equipments like power mops, using necessary cleaning materials like Acid, phynile, neptheline balls, gova broom, air freshner, fibre broom, paper roll, soap dispensor etc. and for work from floor two level to floor four level as directed by the Engineer In Charge.	15,600.00	101.00	Day	One Day	15,75,600.00
108	Cleaning, washing and sweeping including cleaning of all side of walls, cupboards, racks, tables & chairs etc. all furniture, doors, window & window glass panels, fans, false ceiling, computer etc. with floor cleaning machine / wipers for office rooms / chambers / halls and cleaning of floors by using materials like acid, phynile etc. complete including removal of waste from dust bins placed at various locations & disposal of waste material upto lead of 2Km. and for work from floor two four to floor six level as directed by engineer in charge.					
	(A) Below 15.00m2 area.	38,400.00	65.00	Day	One Day	24,96,000.00
	(B) From 15.00m2 to 30.00m2 area	18,600.00	84.00	Day	One Day	15,62,400.00
	(C) Above 30.00m2 area	37,800.00	85.00	Day	One Day	32,13,000.00

109	Cleaning and sweeping of staircase, steps, railing, landing, balconies, passages & corridors etc. including removal of waste from dust bins placed at various locations including cleaning of passage wall, palmet notice board, name plates, doors, windows, grills, ceilling, spider web etc by using latest cleaning machines / power mop & disposal of waste material upto lead of 2Km. The Cleaning of floors by using material like acid, phynile and for work from floor two level to floor four level or as directed by engineer in charge.	9,000.00	121.00	Day	One Day	10,89,000.00
110	Cleaning, removing and disposing the garbage, silt earth, mud, loose rubber etc. from the storm water drains by means of excavating, conveying / depositing the same upto lead of 2.00 Km by tractor / truck, loading, unloading etc. complete with all labour and equipment as directed by Engineer - In - Charge. Outside A O Building 515 X 4 =2060	2,060.00	35.00	Rmt.	One Running Meter	72,100.00
111	Cleaning, removing and disposing the garbage silt, earth, mud, loose rubber etc. from the storm water drains by means of excavating, conveying / depositing the same upto lead of 2.00 Km by tractor / truck, loading, unloading including removing the existing RCC precast slab and placing in position etc. complete with all labour and equipment as directed by Engineer - In - Charge. Along main road. Inside A O Building =124 +200 =324, 324X 4=1296	1,296.00	64.00	Rmt.	One Running Meter	82,944.00
112	Providing Carpenter (First class) & Fitter (Grade-I) for A.O.Building at Gandhidham. (2*365*2=1460 days)	1,460.00	784.00	Day	One day.	11,44,640.00

113	Providing and fixing UPVC door and windows of approved make with frame size 69 mm x 58 mm, Sash size - 96 mm x 58 mm, mullion size 68 mm x 30 mm Casement & hinged with full reinforcement and white color, 8 mm thick heat strengthened glass, Drainage Base, up to floor two level with all materials and labour as directed by the Engineer incharge.	10.00	16,000.00	m2		1,60,000.00
114	Supplying and fixing the following S.S. fixtures for work up to floor two level of approved quality to the doors, windows, cupboards, etc. Complete as directed by Engineer-in-charge.					
	(A) S.S. mortise lock handle with lock body cylinder & adopter for double door.	10.00	5,493.00	Each		54,930.00
115	Cleaning and washing of outside ACP Paneling Glass and CVC sheet front side elevation from chairman's wing to Annexe Building with machine Up to height of 15 mtr including all materials & labour as drafted by Engineer in charge	12.00	70,000.00	Job Work		8,40,000.00
116	Cleaning washing the U/G and O/H tanks of various capacities the work consisting the cleaning of wall flooring and ceiling by means of spray gun of jet pressure pumps also removing of old sludge / mud and flooring deposits accumulated in water etc. by industrials vacuum pump after clearing the antic bacterial agent are to spread on all the walls. floor and ceiling etc. U.V radiation in the tank is to be followed to remove infection and flying insect etc.					
	A) Large main tank underground & overhead tank in water tower of A.O building capacity more than 30000 liters	12.00	3,269.00	One Number		39,228.00
	B) Small overhead tanks of A.O Building of capacity from 500 liters to 3000 liters	68.00	143.00	One Number		9,724.00

117	Providing & Fixing of roller blinds on the windows with all necessary fixtures and all its accessories as per requirement and of approved color and make complete with all labour and material etc. as directed by engineer incharge	50.00	2,500.00	m2		1,25,000.00
118	Providing and fixing Aluminium Composite panel cladding including at all levels & framing as per the elevation, section and the plan drawings provided, fabricated out of heavy duty Aluminium extruded profiles conforming to alloy 643900 WP with chemical composition and mechanical properties as per IS-733 and as per specifications including the cost of scaffolding and other incidentals. b) The contractor must design the cladding as per the prevalent site conditions and building elevations profiles. No extra claims shall be entertained at any stage for aluminum profile/ wall thickness and size dimensions. The Contractor must quote rates accordingly. c) The anchoring / bracing of the wall cladding to the RCC beams/ columns shall be done with non-corrosive galvanized brackets of approved design (Galvanizing to be done conforming to IS 4759-1996 up to 610 gms. Per Sq. M. (80- 90 micron thickness). d) The framework shall be aligned for the entire height of each Mullion and of the entire width of each Transom by laser beam equipment to ensure 100 percent , "X" axis and "Y" axis alignment. e) EPDM Gaskets of suitable profiles (to accommodate shall be provided including the labour element for fixing in appropriate locations is to be included in the rate). f) The Periphery of the framework shall be sealed both from inside and outside with silicon weather sealant to make the cladding watertight.					

	<p>g) Cost of Aluminium composite panel consisting of a core of polyethylene sandwiched between two aluminium skins of 0.5 mm thickness with a mild edge. 4 mm total thickness with surface finish of PVDF coating as approved by the Engineer-in-charge, as shown in the elevation, plan and cross section drawings along with labour element for cutting stacking, carrying to heights and fixing to appropriate locations is included in the rates. h) All the vertical and horizontal section grooves are to be sealed non staining silicon sealant of make as specified in the list of approved make to make the entire system synchronies with the basic structural glazing/curtain wall structure and also make the system air tight and watertight. The fixing details should be got approved by the Engineer- in-charge. The peel off foil should be removed at the time of handing over as may be required by the Engineer-in-charge.</p>					
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	<p>I (i) ACP shall be as approved with high fiber filled sandwiched panel 4 mm installed on Aluminium framing and Galvanised brackets. Aluminium cladding panel to be PVDF fluorocarbon coated factory applied colours. Reverse side to be in mill finish. All the joints shall be sealed with silicon sealant of approved make. The colour of sealant to be decided by Engineer-in-Charge. ii) A sample of panels and installation methods to be submitted to the Engineer-in-Charge for approval. j) Manufacture i) The panels must be visually flat. Any stiffener applied to compensate for wind load must not read through. k) Installation i) The panels shall be fixed in accordance with manufacture's recommendations. ii) Technical Properties of Aluminium Composite Panels iii) All cladding shall be of 4.0 mm thick aluminium composite panel comprising of high mineral filled core sandwiched between two skins of aluminium alloy. 1. Mechanical Properties : Tensile strength >130 N / mm² : 0.2 % proof stress 90 N / mm² : Elongation 5 % : Modulus of elasticity 70,000 N/mm² 2. Vibration and Noise :Average airborne-Sound Damping Transmission loss R/N 25db (DIN 4109) 3. Thermal Transmittance"s: 0.014 m² °C/W 4. Moment of Inertia :0.347 cm⁴/m 5. Panel Weight :5.5 Kg/m² 6. Finish :PVDF stove lacquered (Fluoro carbon) on one side and reverse side in mill finish. 7. Colour :Colour to be selected by Engineer-in-Charge Representative using standard PVDF colour chart from manufacturer</p>	100.00	2,200.00	m2		2,20,000.00
119	<p>Specifications to be same as item number 119 but for providing and fixing ACP having wooden shades with 4 mm thickness full (Through) of approved shade and make so as to achieve desired design pattern</p>	25.00	3,500.00	m2		87,500.00

120	<p>Providing and erecting fully glazed frameless glass door made out of 12 mm thick toughened glass with pencil polish edges all around. Door shall be fixed with double leaf (2.5ft each) at main entrance & the top edge firmly connected with solid partition which further jointed to roof lintel/beam through proper glass shall be fitted with PATCH FITTING assembly inclusive of top and bottom patches,(ENOX) Floor spring & all necessary hardware such as Bottom lock, SS brushed handle of 2'0" long 1"dia on both sides. Cost of Floor spring & Etching design on glass door paid separately but other accessories mentioned here are inclusive in the rate which also includes the dismantling of existing Door.</p>	20.00	4,500.00	m2		90,000.00
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121	<p>Designing, providing, fabricating and installing curtain glazing system (inclusive of vision, spandrel and openable panels) with back structure framing arrangement, as per approved design (based on concept architectural elevation drawings), Anodised Aluminium members like mullions, etc. in approved shade, including required stainless steel fitting and fixtures, required hot dip galvanised / non ferrous metal anchor fasteners, jointing and sealing with approved compatible silicon sealant (Dow Corning or equivalent approved), required fire stop, sheaves. Work to include preparing and finishing of junctions with concrete, masonry, aluminium including use of flashing if any as approved by the Engineer in charge etc. all complete, at all levels. Taking actual site measurements and modifying and coordinating with site and fabrication yard; giving waterproofing test etc. all confirming to international standards and to the entire satisfaction of the Engineer in charge. Further the system installed and tested shall be guaranteed for 10 years in approved proforma on stamp paper of appropriate value</p> <p>i) Vision panel of DGU with 5 mm toughened glass of SKN 265 of Saint Gobain or Eclipse advantage bronze of Pilkington Glass India PVT. Ltd or Bronze Brook of AIS, heat strengthen high performance clear glass of approved shade of reflective glass.</p> <p>ii) including openable panels</p>	50.00	30,000.00	m2		15,00,000.00
122	<p>Providing and fixing CNC cut of 12 mm thick MDF board, duco painted on both the sides & inside cut outs with MS supporting structure so as to achieve desired design pattern up to satisfaction of engineer in charge</p>	50.00	9,000.00	m2		4,50,000.00

123	providing & fixing of artefacts ex. paintings,flower vase,wall pieces,doormat,carpet/rugs etc are placed/fixed in tumbler, bucket, mirror of size 3'x3', vending machine for sanitary napkins, automatic hand dryer machine, dustbins, tissue paper roll holder, roll etc.as directed by engineer-in -charge	20.00	5,000.00	NOS		1,00,000.00
Total (A) ==>						3,38,93,836.49

I/ We am/are willing to carry out this work at _____ % above/ below (percentage should be written in figure and
Estimated amount put to tender Rs.3,38,93,836.49
Add / Deduct _____ % Above / below Rs. _____
Net Rs. _____
In words (Rupees _____)

CONTRACTOR

EXECUTIVE ENGINEER (TD)
DEENDAYAL PORT AUTHORITY