

COCHIN PORT AUTHORITY					
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Tender No: T6/T-2106/2026-C Date:-12-08-2026					
Name of Work: Annual Civil maintenance Contract (ACMC) for the year 2026-27					
SCHEDULE-A- SCHEDULE OF ITEMS TO BE DONE ON CONTRACT					
NAME OF CONTRACTOR					
Sl.No:	Sub- heads and items of work	Unit	Departmental rates (Rs.) in figures	Departmental rates (Rs.) in Words)	
	PART-A -Labour oriented work [Rs.40Lakhs]				
1	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	one square metre	9.96	Rupees Nine and Ninety Six Paise Only	
2	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	one square metre	19.59	Rupees Nineteen and Fifty Nine Paise Only	
3	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m. All kinds of soil.	one square metre	38.02	Rupees Thirty Eight and One Paise Only	
4	Cutting , sectioning & levelling the earth heaps, vegetation growth, waste materials etc. complete using JCB including all labour and consumables etc as per the directions of the Engineer-in-charge.	One hour	1160.51	Rupees One Thousand One Hundred Sixty and Fifty One Paise Only	
5	Transporting surplus materials and debris using tipper lorry(6m3), dumping and levelling with in a lead of 6 Km including all labour and consumables etc as per the directions of the Engineer-in-charge.	Per day of 8 Hrs	8451.49	Rupees Eight Thousand Four Hundred Fifty One and Forty Nine Paise Only	
6	Transporting surplus materials and debris using Mini tipper lorry(3m3), dumping and levelling with in a lead of 6 Km including all labour and consumables etc as per the directions of the Engineer-in-charge.	Per day of 8 Hrs	5844.35	Rupees Five Thousand Eight Hundred Forty Four and Thirty Five Paise Only	
7	Sweeping/cleaning the wharf frontage/ berths, container yards etc. with wire brooms, brushes and depositing the sweepings within a lead of 500 m as per the directions of the Engineer-in-charge.	One Square metre	8.44	Rupees Eight and Forty Three Paise Only	

8	Demolishing brick work in cement mortar manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	one cubic metre	2293.44	Rupees Two Thousand Two Hundred Ninety Three and Forty Three Paise Only	
9	Demolishing stone rubble masonry in cement mortar manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	one cubic metre	2737.33	Rupees Two Thousand Seven Hundred Thirty Seven and Thirty Two Paise Only	
10	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.	one cubic metre	2709.83	Rupees Two Thousand Seven Hundred Nine and Eighty Three Paise Only	
11	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix.	one cubic metre	1673.82	Rupees One Thousand Six Hundred Seventy Three and Eighty Two Paise Only	
12	Dismantling tiled roofing with battens, boarding etc. complete including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	one square metre	233.66	Rupees Two Hundred Thirty Three and Sixty Six Paise Only	
13	Dismantling G.S. Sheet roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead as directed by the Engineer-in-charge	One square metre	183.62	Rupees One Hundred Eighty Three and Sixty Two Paise Only	
14	Dismantling Asbestose Cement sheet roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead as directed by the Engineer-in-charge	One square metre	86.05	Rupees Eighty Six and Five Paise Only	
15	Dismantling wood work in frames, trusses,purlins, rafters up to 10m span and 5m height including stacking the material at place pointed out by the Engineer-in-Charge.				
a	Sectional area 40 square centimetres and above	One cubic metre	4963.91	Rupees Four Thousand Nine Hundred Sixty Three and Ninety One Paise Only	
b	Sectional area below 40 square centimetres	One metre	19.87	Rupees Nineteen and Eighty Seven Paise Only	
16	Taking out doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead as directed by the Engineer-in-charge				
a	Area 3 sq. metres and below	each	408.77	Rupees Four Hundred Eight and Seventy Seven Paise Only	
b	Area beyond 3 sq. metres	each	559.67	Rupees Five Hundred Fifty Nine and Sixty Six Paise Only	

17	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 within 50 metres lead with cement mortar 1:4 (1 cement : 4 fine sand) as directed by the Engineer-in-charge	One square metre	609.37	Rupees Six Hundred Nine and Thirty Seven Paise Only	
18	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead as directed by the Engineer-in-charge	One square metre	60.84	Rupees Sixty and Eighty Three Paise Only	
19	Renewing wooden battens in roofs, including making good the holes in wall and painting with oil type wood preservative of approved brand and manufacture complete, including removal of rubbish to the dumping ground within 50 metres lead as directed by the Engineer-in-charge	one cubic metre	110342.10	Rupees One Lakh Ten Thousand Three Hundred Forty Two and Nine Paise Only	
20	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.	one cubic metre	3953.29	Rupees Three Thousand Nine Hundred Fifty Three and Twenty Eight Paise Only	
21	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead as directed by the Engineer-in-charge.	One square metre	62.73	Rupees Sixty Two and Seventy Two Paise Only	
22	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed : All kinds of soil as directed by the Engineer-in-charge	one square metre	144.55	Rupees One Hundred Forty Four and Fifty Five Paise Only	
23	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. All kinds of soil as directed by the Engineer-in-charge.	one cubic metre	197.59	Rupees One Hundred Ninety Seven and Fifty Nine Paise Only	
24	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 as directed by the Engineer-in-charge	one cubic metre	289.77	Rupees Two Hundred Eighty Nine and Seventy Six Paise Only	

25	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 as directed by the Engineer-in-charge	one cubic metre	293.83	Rupees Two Hundred Ninety Three and Eighty Three Paise Only	
26	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 as directed by the Engineer-in-charge	One cubic metre	218.19	Rupees Two Hundred Eighteen and Eighteen Paise Only	
27	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete as directed by the Engineer-in-charge	One square metre	28.00	Rupees Twenty Seven and Ninety Nine Paise Only	
28	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete as directed by the Engineer-in-charge	One square metre	21.99	Rupees Twenty One and Ninety Eight Paise Only	
29	Re-roofing with single Mangalore tiles including set in lime mortar and finished complete using the tiles supplied by the department free of cost as per the direction of Engineer-in-Charge	One square metre	498.82	Rupees Four Hundred Ninety Eight and Eighty One Paise Only	
29a	Re-roofing with double Mangalore tiles including set in lime mortar and finished complete using the tiles supplied by the department free of cost as per the direction of Engineer-in-Charge	One square metre	549.57	Rupees Five Hundred Forty Nine and Fifty Six Paise Only	
30	Removing existing precast RCC slabs of various sizes across the drain at various location stacking the slabs on the side berm/ convenient places without damaging and making any hindrance to traffic, transporting and relaying the same in the original position after the work including removing the silt from inside the drain, removal garbage and transporting and disposing the rubbish within a lead of 6km etc. complete as per the direction of Engineer-in-Charge	One square metre	323.13	Rupees Three Hundred Twenty Three and Thirteen Paise Only	
31	Clearing the dust, earth, rubbish etc accumulated in the side of the road, wharf frontage/berths, container yard etc including sweeping and depositing the materials upto a lead of 6km as per the direction of Engineer-in-Charge	One square metre	14.33	Rupees Fourteen and Thirty Two Paise Only	

32	Clearing the garbage from dust bins and its surroundings including clearing garbage/branches of trees etc. laying along the sides of road or other places by loading in to lorries transporting unloading levelling at the designated area near new Mattancherry Bridge or any other dumping places pointed out by the Engineer-in-Charge by deploying vehicle/vehicles and paraphernalia of the contractor including spreading gravel/red earth supplied by the dept.free of cost over the garbage.	One load	2326.24	Rupees Two Thousand Three Hundred Twenty Six and Twenty Four Paise Only	
33	Mixing and spraying weedicide supplied by the department free of cost anywhere on W/Island as per the direction of Engineer- in-Charge.The rate inclusive of cost of all labour hire charges of pumps etc	One square metre	10.66	Rupees Ten and Sixty Six Paise Only	
34	Cutting through hard surface area (road surface) including transporting within a lead of 50m and lift up to 1.50m as directed by the Engineer-in-charge	One cubic metre	1340.30	Rupees One Thousand Three Hundred Forty and Thirty Paise Only	
35	Clearing blockage in central drains of Q sheds/ Warehouses/ OF Sheds by removing deposited wastes from inside of hume pipe drains including clearing manholes, transporting and disposing the rubbish as per the directions of the Engineer in charge.	One metre	88.78	Rupees Eighty Eight and Seventy Seven Paise Only	
36	Dismantling barbed wire or flexible wire rope in fencing including making rolls and stacking within 50 metres lead as per directions of the Engineer-in-charge.	One metre	40.97	Rupees Forty and Ninety Six Paise Only	
37	Dismantling Aluminium /Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material within 50meters lead as directed by the Engineer-in-Charge	One Square Metre	62.73	Rupees Sixty Two and Seventy Two Paise Only	
38	Dismantling eaves gutter , clamp and down pipes and disposing as per the directions of Engineer-in-Charge	One Metre	78.79	Rupees Seventy Eight and Seventy Eight Paise Only	
39	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 50metres lead.	One Kilogram	6.29	Rupees Six and Twenty Eight Paise Only	
40	Raking out joints in lime or cement mortar and preparing the surface for repointing or replastering including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-charge.	One Square Metre	80.65	Rupees Eighty and Sixty Five Paise Only	
41	Laying old cement concrete slabs 400mm x 400mm x 60mm laid in required line, level etc. using old CC pave blocks supplied by the department free of cost including cost of all labour, equipments etc. complete as per directions of the Engineer-in-charge	One Square Metre	218.44	Rupees Two Hundred Eighteen and Forty Four Paise Only	

42	Providing and fixing ridges and hips in fibre cement reinforced by organic fibre and / or inorganic synthetic fibres roofing with suitable fixing accessories or self drilling fasteners and EPDM washer etc. complete Corrugated serrated adjustable ridges using Cement corrugated sheets supplied by department at free of cost including cost of all labour etc. complete as per directions of the Engineer-in-charge.	One Metre	582.15	Rupees Five Hundred Eighty Two and Fifteen Paise Only	
43	Removing mortar from and cleaning stones and concrete articles (net quantity of stacks of cleaned material will be measured) in cement mortar including cost of all labour, etc. complete as per directions of the Engineer-in-charge	One Square Metre	767.22	Rupees Seven Hundred Sixty Seven and Twenty Two Paise Only	
44	Cleaning the fresh water RCC U.G water tank 326 KL Capacity, after bailing out water using necessary tools, brush, bleaching powder, pump etc. as per the direction of Engineer-in-charge.	Each	3020.92	Rupees Three Thousand Twenty and Ninety One Paise Only	
45	Cleaning the fresh water Steel OH water tank 546 KL Capacity after bailing out water using necessary tools, brush, bleaching powder etc. as per the direction of engineer-in-charge.	Each	4234.43	Rupees Four Thousand Two Hundred Thirty Four and Forty Two Paise Only	
46	Dismantling the existing damaged tile flooring including the cement plastering.	One Square Metre	101.76	Rupees One Hundred One and Seventy Five Paise Only	
47	Dismantling of C.I. sluice valve including stacking of useful materials within a lead of 50 metres. Above 150mm dia.	Each	1318.21	Rupees One Thousand Three Hundred Eighteen and Twenty Paise Only	
48	Dismantling tile work in floors and roofs laid in cement mortar including stacking materials within 50metres lead, for thickness of tiles 10mm to 25mm.	One Square Metre	81.71	Rupees Eighty One and Seventy Paise Only	
49	Dismantling tiled roofing with battens, boarding etc., complete including stacking of serviceable material and disposal of unserviceable materials within 50metre lead	One Square Metre	233.66	Rupees Two Hundred Thirty Three and Sixty Six Paise Only	
50	Clearing and maintaining various drains at different locations, so as to ensure fluent flow of water and stripping the road berms including disposal of silt, debris/rubbish to the dumping ground within a lead of 6Km as per detailed specification and direction of Engineer-in-charge.	One Square Metre	13.18	Rupees Thirteen and Seventeen Paise Only	
51	Cutting and removing existing G I Pipe (4") line laid for fresh water as per the direction of the Engineer -In-Charge	One Metre	487.52	Rupees Four Hundred Eighty Seven and Fifty Two Paise Only	
52	Laying G I pipe for (4 ") using pipe line supplied by department free of cost as per the direction of the Engineer -in-Charge	One Metre	924.36	Rupees Nine Hundred Twenty Four and Thirty Six Paise Only	

53	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-incharge . The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding.	One Square Metre	376.54	Rupees Three Hundred Seventy Six and Fifty Four Paise Only	
54	Loading ,Transporting , Unloading the Concrete bollard stacked at different locations of W/ island for laying at walk way as per the direction of the Engineer in-charge	Each	835.17	Rupees Eight Hundred Thirty Five and Sixteen Paise Only	
55	Washing and Cleaning of Revolving Chair at various offices as directed by the Engineer-in-charge.	Each	292.66	Rupees Two Hundred Ninety Two and Sixty Six Paise Only	
	PART-B-Material & labour involved Miscellaneous work [Rs.110Lakhs]				
1	Providing & filling with quarry dust inside basement including consolidation as directed by the Engineer-in-Charge	One cubic metre	2364.18	Rupees Two Thousand Three Hundred Sixty Four and Seventeen Paise Only	
2	Providing & filling with 6mm metal mixed with quarry dust inside basement including consolidation as directed by the Engineer-in-charge.	One cubic metre	3367.25	Rupees Three Thousand Three Hundred Sixty Seven and Twenty Four Paise Only	
3	Providing & spreading gravel 100mm thick including spreading crusher run screening for 15mm thickness, watering, rolling and consolidation to 75mm thick as directed by the Engineer-in-charge.	One Square metre	240.90	Rupees Two Hundred Forty and Eighty Nine Paise Only	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
a	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	One cubic metre	9285.12	Rupees Nine Thousand Two Hundred Eighty Five and Eleven Paise Only	
b	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	One cubic metre	8770.42	Rupees Eight Thousand Seven Hundred Seventy and Forty Two Paise Only	
c	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	One cubic metre	8120.53	Rupees Eight Thousand One Hundred Twenty and Fifty Three Paise Only	

d	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	One cubic metre	7991.46	Rupees Seven Thousand Nine Hundred Ninety One and Forty Five Paise Only	
e	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	One cubic metre	7583.19	Rupees Seven Thousand Five Hundred Eighty Three and Eighteen Paise Only	
5	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns	one square metre	436.55	Rupees Four Hundred Thirty Six and Fifty Four Paise Only	
6	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	one square metre	937.88	Rupees Nine Hundred Thirty Seven and Eighty Seven Paise Only	
7	Centering and shuttering including strutting, propping etc. and removal of form work for : Columns, piers, abutments, pillars, posts and struts	one square metre	1070.13	Rupees One Thousand Seventy and Twelve Paise Only	
8	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	One cubic metre	11263.01	Rupees Eleven Thousand Two Hundred Sixty Three and One Paise Only	
9	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc., up to floor five level, excluding the cost of centering, shuttering and finishing :				
a	1:1½:3 (1 cement:1½ coarse sand:3 graded stone aggregate 20 mm nominal size)	One cubic metre	11530.13	Rupees Eleven Thousand Five Hundred Thirty and Twelve Paise Only	
b	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	One cubic metre	11015.44	Rupees Eleven Thousand Fifteen and Forty Three Paise Only	
c	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	One cubic metre	10365.54	Rupees Ten Thousand Three Hundred Sixty Five and Fifty Four Paise Only	
10	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with : Cement mortar 1:6 (1 cement : 6 coarse sand)	one cubic metre	8138.96	Rupees Eight Thousand One Hundred Thirty Eight and Ninety Five Paise Only	

11	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with : Cement mortar 1:6 (1 cement : 6 coarse sand) using retrieved rubble/ rubble supplied by the department free of cost	one cubic metre	6957.63	Rupees Six Thousand Nine Hundred Fifty Seven and Sixty Two Paise Only	
12	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and basement in :				
a	Cement mortar 1:4 (1 cement : 4 coarse sand)	one cubic metre	8205.08	Rupees Eight Thousand Two Hundred Five and Eight Paise Only	
b	Cement mortar 1:6 (1 cement : 6 coarse sand)	one cubic metre	7939.69	Rupees Seven Thousand Nine Hundred Thirty Nine and Sixty Nine Paise Only	
13	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 1:4 (1 cement : 4 coarse sand)	one cubic metre	10402.22	Rupees Ten Thousand Four Hundred Two and Twenty Two Paise Only	
b	Cement mortar 1:6 (1 cement : 6 coarse sand)	one cubic metre	10136.83	Rupees Ten Thousand One Hundred Thirty Six and Eighty Three Paise Only	
14	Providing and fixing up to floor five level precast cement concrete solid block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete :				
a	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	one cubic metre	19914.49	Rupees Nineteen Thousand Nine Hundred Fourteen and Forty Nine Paise Only	
b	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	one cubic metre	22997.52	Rupees Twenty Two Thousand Nine Hundred Ninety Seven and Fifty Two Paise Only	
c	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	one cubic metre	22116.38	Rupees Twenty Two Thousand One Hundred Sixteen and Thirty Seven Paise Only	
15	Providing and fixing up to floor five level precast cement concrete hollow block, including hoisting and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering complete.				
a	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	one cubic metre	16279.81	Rupees Sixteen Thousand Two Hundred Seventy Nine and Eighty Paise Only	

b	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	one cubic metre	18594.30	Rupees Eighteen Thousand Five Hundred Ninety Four and Twenty Nine Paise Only	
c	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	one cubic metre	18153.61	Rupees Eighteen Thousand One Hundred Fifty Three and Sixty One Paise Only	
16	Providing Ayini/ Jack 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.	one cubic metre	175284.12	Rupees One Lakh Seventy Five Thousand Two Hundred Eighty Four and Eleven Paise Only	
17	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, in Ayini/Jack wood including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge.				
a	35 mm thick shutters	One square metre	4050.25	Rupees Four Thousand Fifty and Twenty Four Paise Only	
b	30 mm thick shutters	One square metre	3716.62	Rupees Three Thousand Seven Hundred Sixteen and Sixty One Paise Only	
18	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	Ayini or Jack wood	One square metre	2020.05	Rupees Two Thousand Twenty and Four Paise Only	
b	4 mm thick glass pane (weight not less than 10 kg per sqm)	One square metre	2495.59	Rupees Two Thousand Four Hundred Ninety Five and Fifty Nine Paise Only	
c	5.0 mm thick glass panes (weight not less than 12.5 kg per sqm)	One square metre	2894.85	Rupees Two Thousand Eight Hundred Ninety Four and Eighty Four Paise Only	

19	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. 80x1.25 mm M.S. laths with 1.25 mm thick top cover	One square metre	4066.78	Rupees Four Thousand Sixty Six and Seventy Seven Paise Only	
19a	Extra for providing mechanical device chain and crank operation for operating rolling shutters. Exceeding 10.00 sqm and upto 16.80 sqm in the area.	One square metre	1426.41	Rupees One Thousand Four Hundred Twenty Six and Forty One Paise Only	
20	Providing and fixing ball bearing for rolling shutters.	Each	548.09	Rupees Five Hundred Forty Eight and Eight Paise Only	
21	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 portion- Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	One Kilogram	551.09	Rupees Five Hundred Fifty One and Nine Paise Only	
22	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. Pre-laminated particle board with decorative lamination on both sides	one square metre	1241.67	Rupees One Thousand Two Hundred Forty One and Sixty Seven Paise Only	

23	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): With float glass panes of 4.0 mm thickness.	one square metre	1310.03	Rupees One Thousand Three Hundred Ten and Two Paise Only	
24	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete. With 12 mm mild steel U beading	one square metre	1367.02	Rupees One Thousand Three Hundred Sixty Seven and Two Paise Only	
25	Providing 40x5 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 30x10x15cm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size).	Each	254.76	Rupees Two Hundred Fifty Four and Seventy Five Paise Only	
26	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	each	951.40	Rupees Nine Hundred Fifty One and Forty Paise Only	
27	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineerin- Charge.	metre	548.48	Rupees Five Hundred Forty Eight and Forty Seven Paise Only	

28	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing. 30 mm thick plain/ prelaminated PVC door shutters	One square metre	4078.58	Rupees Four Thousand Seventy Eight and Fifty Seven Paise Only	
29	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness .The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat . Door frame laminate shall be 2 mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.	One metre	635.59	Rupees Six Hundred Thirty Five and Fifty Eight Paise Only	
30	Providing and fixing to existing door frames, 30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames.	one square metre	4141.98	Rupees Four Thousand One Hundred Forty One and Ninety Seven Paise Only	

31	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.	one square metre	12734.68	Rupees Twelve Thousand Seven Hundred Thirty Four and Sixty Seven Paise Only	
32	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)	One cubic metre	10069.82	Rupees Ten Thousand Sixty Nine and Eighty One Paise Only	
b	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	One cubic metre	9555.13	Rupees Nine Thousand Five Hundred Fifty Five and Twelve Paise Only	
33	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. 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)	One cubic metre	12081.61	Rupees Twelve Thousand Eighty One and Sixty One Paise Only	
34	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 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).	One cubic metre	12808.04	Rupees Twelve Thousand Eight Hundred Eight and Three Paise Only	
35	Providing and laying up to floor five level reinforced cement concrete in kerbs, steps and the like, 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).	One cubic metre	9820.35	Rupees Nine Thousand Eight Hundred Twenty and Thirty Four Paise Only	
36	Reinforced cement concrete work in arches, archribs, domes, vaults, shells, folded plate and roofs having slope more than 15° 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).	One cubic metre	13587.67	Rupees Thirteen Thousand Five Hundred Eighty Seven and Sixty Seven Paise Only	
37	Centering and shuttering including strutting, propping etc. and removal of form for :				

a	Foundations, footings, bases of columns, etc. for mass concrete	One square metre	436.55	Rupees Four Hundred Thirty Six and Fifty Four Paise Only	
b	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	One square metre	937.88	Rupees Nine Hundred Thirty Seven and Eighty Seven Paise Only	
c	Suspended floors, roofs, landings, balconies and access platform	One square metre	1032.22	Rupees One Thousand Thirty Two and Twenty Two Paise Only	
d	Shelves (Cast in situ)	One square metre	1032.22	Rupees One Thousand Thirty Two and Twenty Two Paise Only	
e	Lintels, beams, plinth beams, girders, bressumers and cantilevers	One square metre	819.77	Rupees Eight Hundred Nineteen and Seventy Six Paise Only	
f	Columns, Pillars, Piers, Abutments, Posts and Struts	One square metre	1070.13	Rupees One Thousand Seventy and Twelve Paise Only	
g	Stairs, (excluding landings) except spiral-staircases	One square metre	851.55	Rupees Eight Hundred Fifty One and Fifty Four Paise Only	
38	Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like	One square metre	436.55	Rupees Four Hundred Thirty Six and Fifty Four Paise Only	
39	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. All works upto plinth level	One Cubic metre	10580.78	Rupees Ten Thousand Five Hundred Eighty and Seventy Eight Paise Only	

40	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. All works above plinth level upto floor V level	One Cubic metre	10976.70	Rupees Ten Thousand Nine Hundred Seventy Six and Sixty Nine Paise Only	
41	Providing and laying in position machine batched and machine mixed design mix M-30 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. All works upto plinth level	One Cubic metre	10748.82	Rupees Ten Thousand Seven Hundred Forty Eight and Eighty Two Paise Only	
42	Providing and laying in position machine batched and machine mixed design mix M-30 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. All works above plinth level upto floor V level	One Cubic metre	11144.73	Rupees Eleven Thousand One Hundred Forty Four and Seventy Three Paise Only	
43	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete in lintels, beams and bressumers, including setting in cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering and shuttering but excluding the cost of reinforcement, with 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	One cubic metre	15472.73	Rupees Fifteen Thousand Four Hundred Seventy Two and Seventy Two Paise Only	

44	Providing, hoisting and fixing up to floor five level precast reinforced cement concrete in shelves, including setting in cement mortar 1:3 (1 cement : 3 coarse sand), cost of required centering, shuttering and finishing with neat cement punning on exposed surfaces but excluding the cost of reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size).	One cubic metre	22660.28	Rupees Twenty Two Thousand Six Hundred Sixty and Twenty Eight Paise Only	
45	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted / Thermo Mechanicclay Treated bars	One kilogram	120.06	Rupees One Hundred Twenty and Five Paise Only	
46	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Cold twisted/ Thermo Mechanically Treated bars	One Kilogram	120.06	Rupees One Hundred Twenty and Five Paise Only	
47	Add for using extra cement in the items of concrete mix over and above the specified cement content therein.	One quintel	816.54	Rupees Eight Hundred Sixteen and Fifty Three Paise Only	
48	Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovigs incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified. 2mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3" or 6") as specified.	One square metre	1560.00	Rupees One Thousand Five Hundred Fifty Nine and Ninety Nine Paise Only	
49	Providing valleys/ Central valleys of 90 cm wide overall in plain G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete : 1.60 mm thick with zinc coating not less than 350 gm/m ²	One metre	2074.91	Rupees Two Thousand Seventy Four and Ninety One Paise Only	
50	Providing and fixing on wall face unplastised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
a	75 mm diameter	One metre	276.97	Rupees Two Hundred Seventy Six and Ninety Six Paise Only	
b	110 mm diameter	One metre	420.13	Rupees Four Hundred Twenty and Twelve Paise Only	

51	Providing and fixing 15 cm wide, 45 cm overall semi-circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete. 0.80 mm thick with zinc coating not less than 275 gm/m ²	One metre	1146.22	Rupees One Thousand One Hundred Forty Six and Twenty One Paise Only	
52	Providing 300mm dia (class 2) Semicircular PVC eaves gutter with M.S. brackets 50x6mm about 1m c/c as directed by the Engineer-in-charge.	One metre	1424.01	Rupees One Thousand Four Hundred Twenty Four Only	
53	Providing 200mm dia (class 2) Semicircular PVC eaves gutter with M.S. brackets 50x6mm about 1m c/c as directed by the Engineer-in-charge.	One metre	809.99	Rupees Eight Hundred Nine and Ninety Nine Paise Only	
54	Providing 160mm dia (class 2) Semicircular PVC eaves gutter with M.S. brackets 50x6mm about 1m c/c as directed by the Engineer-in-charge.	One metre	655.30	Rupees Six Hundred Fifty Five and Thirty Paise Only	
55	Providing 110mm dia (class 2) Semicircular PVC eaves gutter with M.S. brackets 50x6mm about 1m c/c as directed by the Engineer-in-charge.	One metre	480.26	Rupees Four Hundred Eighty and Twenty Six Paise Only	
56	Providing ceiling with PVC panelled sheet using Aluminium square, aluminium angles, PVC beeding etc. complete. As directed by the Engineer-in-charge.	One square metre	1325.19	Rupees One Thousand Three Hundred Twenty Five and Eighteen Paise Only	
57	Plastering with cement mortar 1:3 (1 cement : 3 fine sand) 6 mm thick including, finishing curing etc. complete.	One square metre	334.46	Rupees Three Hundred Thirty Four and Forty Six Paise Only	
58	6 mm cement plaster 1:3 (1 cement : 3 fine sand) finished with a floating coat of neat cement and thick coat of Lime wash on top of walls when dry for bearing of R.C.C. slabs and beams.	One square metre	441.55	Rupees Four Hundred Forty One and Fifty Five Paise Only	
59	Plastering with cement mortar 1:4 (1 cement: 4 fine sand) 12 mm thick including finishing, curing etc. complete.	One square metre	386.34	Rupees Three Hundred Eighty Six and Thirty Three Paise Only	
60	Plastering with cement mortar 1:4 (1 cement: 4 fine sand) 20 mm thick including finishing, curing etc. complete.	One square metre	524.71	Rupees Five Hundred Twenty Four and Seventy One Paise Only	
61	Plastering with cement mortar 1:3 (1 cement: 3 fine sand) 12 mm cement plaster finished with a floating coat of neat cement slurry.	One square metre	488.98	Rupees Four Hundred Eighty Eight and Ninety Seven Paise Only	
62	Plastering with cement mortar 1:4 (1 cement: 4 fine sand) 12 mm cement plaster finished with a floating coat of neat cement slurry.	One square metre	473.73	Rupees Four Hundred Seventy Three and Seventy Two Paise Only	
63	Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers (per Kg of cement used in the work).	Kg of cement	2.00	Rupees One and Ninety Nine Paise Only	

64	Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) : Flush/ Ruled pointing .	One square metre	429.03	Rupees Four Hundred Twenty Nine and Three Paise Only	
65	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) 40 mm thick with 20 mm nominal size stone aggregate finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete as directed by the Engineer-in-charge.	One square metre	683.73	Rupees Six Hundred Eighty Three and Seventy Three Paise Only	
66	52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete as directed by the Engineer-in-charge.	One square metre	1089.22	Rupees One Thousand Eighty Nine and Twenty Two Paise Only	
67	62 mm thick cement concrete flooring with concrete hardener topping, under layer 50 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate, 6mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacture's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	One square metre	1175.72	Rupees One Thousand One Hundred Seventy Five and Seventy One Paise Only	
68	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.	One square metre	683.73	Rupees Six Hundred Eighty Three and Seventy Three Paise Only	
69	Providing 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	One square metre	1070.24	Rupees One Thousand Seventy and Twenty Four Paise Only	

70	62 mm thick cement concrete flooring with concrete hardener topping, under layer 50 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate, 6mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacture's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	One square metre	1161.03	Rupees One Thousand One Hundred Sixty One and Three Paise Only	
71	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), including pointing the joints with white cement and matching pigment etc., complete.	One square metre	1220.69	Rupees One Thousand Two Hundred Twenty and Sixty Nine Paise Only	
72	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), including pointing the joints with white cement and matching pigments etc., complete.	One square metre	1464.21	Rupees One Thousand Four Hundred Sixty Four and Twenty Paise Only	
73	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 colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), including grouting the joints with white cement and matching pigments etc., complete.	One square metre	1480.57	Rupees One Thousand Four Hundred Eighty and Fifty Six Paise Only	
74	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), including pointing the joints with white cement and matching pigments etc., complete.	One square metre	1602.35	Rupees One Thousand Six Hundred Two and Thirty Five Paise Only	

75	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), including grouting the joints with white cement and matching pigments etc., complete.				
a	Size of Tile 500x500 mm	One square metre	1696.87	Rupees One Thousand Six Hundred Ninety Six and Eighty Six Paise Only	
b	Size of Tile 600x600 mm	One square metre	1729.32	Rupees One Thousand Seven Hundred Twenty Nine and Thirty One Paise Only	
c	Size of Tile 800x800 mm	One square metre	2098.96	Rupees Two Thousand Ninety Eight and Ninety Five Paise Only	
d	Size of Tile 1000x1000 mm	One square metre	2326.22	Rupees Two Thousand Three Hundred Twenty Six and Twenty One Paise Only	
76	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622 , of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).				
a	Size of Tile 500x500 mm	One square metre	19887.22	Rupees Nineteen Thousand Eight Hundred Eighty Seven and Twenty One Paise Only	
b	Size of Tile 600x600 mm	One square metre	2108.31	Rupees Two Thousand One Hundred Eight and Thirty Paise Only	
c	Size of Tile 800x800 mm	One square metre	2481.62	Rupees Two Thousand Four Hundred Eighty One and Sixty Two Paise Only	
d	Size of Tile 1000x1000 mm	One square metre	2708.89	Rupees Two Thousand Seven Hundred Eight and Eighty Eight Paise Only	

77	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.	One square metre	1220.69	Rupees One Thousand Two Hundred Twenty and Sixty Nine Paise Only	
78	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), including grouting the joint with white cement & matching pigments etc. complete.				
a	Size of Tile 500x500 mm	One square metre	1784.83	Rupees One Thousand Seven Hundred Eighty Four and Eighty Three Paise Only	
b	Size of Tile 600x600 mm	One square metre	2100.87	Rupees Two Thousand One Hundred and Eighty Seven Paise Only	
c	Size of Tile 800x800 mm	One square metre	2455.51	Rupees Two Thousand Four Hundred Fifty Five and Fifty One Paise Only	
d	Size of Tile 1000x1000 mm	One square metre	2407.43	Rupees Two Thousand Four Hundred Seven and Forty Two Paise Only	
79	Providing and laying Vitrified 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 brand & manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).				
a	Size of Tile 500x500 mm	One square metre	2075.86	Rupees Two Thousand Seventy Five and Eighty Five Paise Only	
b	Size of Tile 600x600 mm	One square metre	2108.31	Rupees Two Thousand One Hundred Eight and Thirty Paise Only	

c	Size of Tile 800x800 mm	One square metre	2481.62	Rupees Two Thousand Four Hundred Eighty One and Sixty Two Paise Only	
d	Size of Tile 1000x1000 mm	One square metre	2708.89	Rupees Two Thousand Seven Hundred Eight and Eighty Eight Paise Only	
80	Mirror polishing on Mosaic /marble work/ Granite work/ stone work where ever required to give high gloss finish complete.	One square metre	564.06	Rupees Five Hundred Sixty Four and Six Paise Only	
81	Distempering with dry distemper of approved brand and manufacture (two or more coats) of required shade on new work, over and including water thinnable priming coat to give an even shade.	One square metre	195.96	Rupees One Hundred Ninety Five and Ninety Six Paise Only	
82	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer	One square metre	255.36	Rupees Two Hundred Fifty Five and Thirty Six Paise Only	
83	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work	One square metre	206.67	Rupees Two Hundred Six and Sixty Six Paise Only	
84	Distempering with 1st quality acrylic distemper, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.				
a	One coat	One square metre	84.21	Rupees Eighty Four and Twenty One Paise Only	
b	Two coats	One square metre	206.67	Rupees Two Hundred Six and Sixty Six Paise Only	
85	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.				
a	One coat	One square metre	102.42	Rupees One Hundred Two and Forty One Paise Only	

b	Two coats	One square metre	153.01	Rupees One Hundred Fifty Three and One Paise Only	
86	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : Water thinnable cement primer	One square metre	82.32	Rupees Eighty Two and Thirty Two Paise Only	
87	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)	One square metre	130.13	Rupees One Hundred Thirty and Thirteen Paise Only	
88	Finishing walls with water proofing cement paint of required shade : Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 litres/10 sqm complete including cost of Priming coat.	One square metre	125.68	Rupees One Hundred Twenty Five and Sixty Eight Paise Only	
89	Finishing walls with water proofing cement paint of required shade : Old work (one or more coats @ 2.20 kg/10 sqm) complete.	One square metre	84.38	Rupees Eighty Four and Thirty Eight Paise Only	
90	Finishing walls with Acrylic Smooth exterior paint of required shade : 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)	One square metre	178.78	Rupees One Hundred Seventy Eight and Seventy Eight Paise Only	
91	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	One square metre	134.42	Rupees One Hundred Thirty Four and Forty Two Paise Only	
b	Old work (One or more coat applied @ 0.90 ltr/10 sqm).	One square metre	89.78	Rupees Eighty Nine and Seventy Eight Paise Only	
92	Applying priming coat : With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	One square metre	78.31	Rupees Seventy Eight and Thirty One Paise Only	
93	Applying priming coat : With ready mixed aluminium primer of approved brand and manufacture on resinous wood and plywood	One square metre	83.10	Rupees Eighty Three and Ten Paise Only	
94	Applying priming coat : With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	One square metre	75.03	Rupees Seventy Five and Three Paise Only	
95	Applying priming coat : With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel work (second coat)	One square metre	40.19	Rupees Forty and Eighteen Paise Only	

96	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : New work (two or more coats) including a coat of approved steel primer but excluding a coat of mordant solution	One square metre	201.32	Rupees Two Hundred One and Thirty Two Paise Only	
97	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	One square metre	251.86	Rupees Two Hundred Fifty One and Eighty Six Paise Only	
98	Painting with aluminium paint of approved brand and manufacture to give an even shade. Two or more coats on new work	One square metre	163.42	Rupees One Hundred Sixty Three and Forty One Paise Only	
99	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work	One square metre	114.44	Rupees One Hundred Fourteen and Forty Three Paise Only	
100	Painting with aluminium paint of approved brand and manufacture to give an even shade : One or more coats on old work	One square metre	106.87	Rupees One Hundred Six and Eighty Six Paise Only	
101	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade : One or more coats on old work	One square metre	104.31	Rupees One Hundred Four and Thirty Paise Only	
102	Applying priming coat with ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	One square metre	78.31	Rupees Seventy Eight and Thirty One Paise Only	
103	Applying priming coat with ready mixed aluminium primer of approved brand and manufacture on resinous wood and plywood	One square metre	83.10	Rupees Eighty Three and Ten Paise Only	
104	Applying priming coat With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	One square metre	75.03	Rupees Seventy Five and Three Paise Only	
105	Applying priming coat With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel work (second coat)	One square metre	40.19	Rupees Forty and Eighteen Paise Only	
106	coal tarring two coats on new work using 0.16 Litre and 0.12 litre coal tar per sqm in the first coat and second coat respectively.	One square metre	74.47	Rupees Seventy Four and Forty Seven Paise Only	

107	Painting with aluminium paint of approved brand and manufacture to give an even shade Two or more coats on new work	One square metre	163.42	Rupees One Hundred Sixty Three and Forty One Paise Only	
108	Painting with aluminium paint of approved brand and manufacture to give an even shade One or more coats on old work	One square metre	106.87	Rupees One Hundred Six and Eighty Six Paise Only	
109	Supplying and laying/ fixing 63mm dia. PVC pipe(class 2) buried/ above ground for drainage disposal	One metre	217.69	Rupees Two Hundred Seventeen and Sixty Eight Paise Only	
110	Supplying and laying/ fixing 110mm dia. PVC pipe(class 2) buried/ above ground for drainage disposal	One metre	342.37	Rupees Three Hundred Forty Two and Thirty Six Paise Only	
111	Supplying and laying/ fixing 160mm dia. PVC pipe(class 2) buried/ above ground for drainage disposal	One metre	558.12	Rupees Five Hundred Fifty Eight and Eleven Paise Only	
112	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 : White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests each	Each	7533.54	Rupees Seven Thousand Five Hundred Thirty Three and Fifty Three Paise Only	
113	Providing and fixing white vitreous china water closet squatting pan (Indian type) : Long pattern W.C. pan of size 580 mm	Each	3898.13	Rupees Three Thousand Eight Hundred Ninety Eight and Twelve Paise Only	
114	Providing and fixing white vitreous china water closet squatting pan (Indian type) : Orissa pattern W.C. pan of size 580x440 mm	Each	4985.79	Rupees Four Thousand Nine Hundred Eighty Five and Seventy Eight Paise Only	
115	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 : One urinal basin with 5 litre white P.V.C. automatic flushing cistern each	Each	6967.30	Rupees Six Thousand Nine Hundred Sixty Seven and Thirty Paise Only	

116	Providing and fixing white vitreous china pedestal type (European type/ wash down type) water closet pan.	Each	3100.23	Rupees Three Thousand One Hundred and Twenty Three Paise Only	
117	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 : W.C. pan with ISI marked black solid plastic seat and lid	Each	7105.90	Rupees Seven Thousand One Hundred Five and Eighty Nine Paise Only	
118	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 required :				
a	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	Each	2478.40	Rupees Two Thousand Four Hundred Seventy Eight and Thirty Nine Paise Only	
b	White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	Each	2091.94	Rupees Two Thousand Ninety One and Ninety Four Paise Only	
c	White Vitreous China Angle back wash basin size 400x 400 mm with single 15 mm C.P. brass pillar tap	Each	1955.74	Rupees One Thousand Nine Hundred Fifty Five and Seventy Four Paise Only	
d	White Vitreous China Flat back wash basin size 450x 300 mm with single 15 mm C.P. brass pillar tap	Each	1684.95	Rupees One Thousand Six Hundred Eighty Four and Ninety Five Paise Only	
119	Supplying, Laying and jointing PVC pipe (class 5) with ISI mark including all specials for water supply line.				
a	20 mm dia	One metre	97.64	Rupees Ninety Seven and Sixty Three Paise Only	
b	25 mm dia	One metre	111.89	Rupees One Hundred Eleven and Eighty Eight Paise Only	

c	32 mm dia	One metre	140.97	Rupees One Hundred Forty and Ninety Six Paise Only	
d	40 mm dia	One metre	171.69	Rupees One Hundred Seventy One and Sixty Nine Paise Only	
e	50 mm dia	One metre	214.44	Rupees Two Hundred Fourteen and Forty Three Paise Only	
f	63 mm dia	One metre	287.92	Rupees Two Hundred Eighty Seven and Ninety Two Paise Only	
120	Laying and jointing PVC pipe (class 5) with ISI mark on walls including all specials for water supply line				
a	20 mm dia	One metre	109.70	Rupees One Hundred Nine and Seventy Paise Only	
b	25 mm dia	One metre	119.20	Rupees One Hundred Nineteen and Twenty Paise Only	
c	32 mm dia	One metre	156.30	Rupees One Hundred Fifty Six and Thirty Paise Only	
d	40 mm dia	One metre	215.60	Rupees Two Hundred Fifteen and Sixty Paise Only	
e	50 mm dia	One metre	293.90	Rupees Two Hundred Ninety Three and Ninety Paise Only	
f	63 mm dia	One metre	393.30	Rupees Three Hundred Ninety Three and Thirty Paise Only	

121	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	15mm Nominal outer dia pipes	One metre	319.27	Rupees Three Hundred Nineteen and Twenty Six Paise Only	
b	20mm Nominal outer dia pipes	One metre	372.93	Rupees Three Hundred Seventy Two and Ninety Two Paise Only	
c	25mm Nominal outer dia pipes	One metre	447.01	Rupees Four Hundred Forty Seven Only	
d	32mm Nominal outer dia pipes	One metre	577.48	Rupees Five Hundred Seventy Seven and Forty Seven Paise Only	
e	40mm Nominal outer dia pipes	One metre	782.53	Rupees Seven Hundred Eighty Two and Fifty Three Paise Only	
f	50mm Nominal outer dia pipes	One metre	1039.91	Rupees One Thousand Thirty Nine and Ninety Paise Only	
122	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	15mm Nominal outer dia pipes	One metre	554.16	Rupees Five Hundred Fifty Four and Fifteen Paise Only	
b	20mm Nominal outer dia pipes	One metre	598.46	Rupees Five Hundred Ninety Eight and Forty Six Paise Only	
c	25mm Nominal outer dia pipes	One metre	698.26	Rupees Six Hundred Ninety Eight and Twenty Six Paise Only	
d	32mm Nominal outer dia pipes	One metre	823.00	Rupees Eight Hundred Twenty Two and Ninety Nine Paise Only	
123	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	15mm Nominal outer dia pipes	One metre	272.40	Rupees Two Hundred Seventy Two and Forty Paise Only	
b	20mm Nominal outer dia pipes	One metre	305.35	Rupees Three Hundred Five and Thirty Five Paise Only	
c	25mm Nominal outer dia pipes	One metre	395.63	Rupees Three Hundred Ninety Five and Sixty Three Paise Only	
d	32mm Nominal outer dia pipes	One metre	488.25	Rupees Four Hundred Eighty Eight and Twenty Five Paise Only	
e	40mm Nominal outer dia pipes	One metre	626.79	Rupees Six Hundred Twenty Six and Seventy Nine Paise Only	
f	50mm Nominal outer dia pipes	One metre	884.17	Rupees Eight Hundred Eighty Four and Sixteen Paise Only	

g	62.5mm Nominal inner dia pipes	One metre	1863.96	Rupees One Thousand Eight Hundred Sixty Three and Ninety Five Paise Only	
h	75mm Nominal inner dia pipes	One metre	2411.60	Rupees Two Thousand Four Hundred Eleven and Sixty Paise Only	
i	100mm Nominal inner dia pipes	One metre	3642.09	Rupees Three Thousand Six Hundred Forty Two and Eight Paise Only	
j	150mm Nominal inner dia pipes	One metre	7595.10	Rupees Seven Thousand Five Hundred Ninety Five and Nine Paise Only	
124	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. Internal work - Exposed on wall				
a	15mm dia. Nominal bore	One metre	407.88	Rupees Four Hundred Seven and Eighty Eight Paise Only	
b	20mm dia. Nominal bore	One metre	486.81	Rupees Four Hundred Eighty Six and Eighty Paise Only	
c	25mm dia. Nominal bore	One metre	614.16	Rupees Six Hundred Fourteen and Fifteen Paise Only	
d	32mm dia. Nominal bore	One metre	742.51	Rupees Seven Hundred Forty Two and Fifty One Paise Only	
e	40mm dia. Nominal bore	One metre	903.82	Rupees Nine Hundred Three and Eighty One Paise Only	
f	50mm dia. Nominal bore	One metre	1167.03	Rupees One Thousand One Hundred Sixty Seven and Three Paise Only	

125	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :				
a	15mm dia. Nominal bore	One metre	646.16	Rupees Six Hundred Forty Six and Sixteen Paise Only	
b	20mm dia. Nominal bore	One metre	707.11	Rupees Seven Hundred Seven and Eleven Paise Only	
125A	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.				
a	15mm dia. Nominal bore	One metre	358.62	Rupees Three Hundred Fifty Eight and Sixty Two Paise Only	
b	20mm dia. Nominal bore	One metre	410.33	Rupees Four Hundred Ten and Thirty Two Paise Only	
c	25mm dia. Nominal bore	One metre	520.70	Rupees Five Hundred Twenty and Seventy Paise Only	
d	32mm dia. Nominal bore	One metre	601.47	Rupees Six Hundred One and Forty Six Paise Only	
e	40mm dia. Nominal bore	One metre	686.91	Rupees Six Hundred Eighty Six and Ninety Paise Only	
f	50mm dia. Nominal bore	One metre	848.43	Rupees Eight Hundred Forty Eight and Forty Three Paise Only	
g	65mm dia. Nominal bore	One metre	998.10	Rupees Nine Hundred Ninety Eight and Ten Paise Only	

h	80mm dia. Nominal bore	One metre	1159.63	Rupees One Thousand One Hundred Fifty Nine and Sixty Three Paise Only	
126	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :				
a	25 to 40 mm nominal bore	Each	1015.14	Rupees One Thousand Fifteen and Thirteen Paise Only	
b	50 to 80 mm nominal bore	Each	1987.47	Rupees One Thousand Nine Hundred Eighty Seven and Forty Six Paise Only	
127	Fixing water meter and stop cock in G.I. pipe line including cutting and threading the pipe and making long screws etc. complete (cost of water meter and stop cock to be paid separately).	Each	904.26	Rupees Nine Hundred Four and Twenty Six Paise Only	
128	Providing and fixing 15mm dia. or nearest available size Chromium plated brass tap (Heavy Type) of weight not less than 400g	Each	357.24	Rupees Three Hundred Fifty Seven and Twenty Four Paise Only	
129	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :				
a	Circular shape 450 mm dia	Each	1646.49	Rupees One Thousand Six Hundred Forty Six and Forty Nine Paise Only	
b	Rectangular shape 453x357 mm	Each	1515.97	Rupees One Thousand Five Hundred Fifteen and Ninety Six Paise Only	
c	Oval shape 450x350 mm (outer dimensions)	Each	1533.00	Rupees One Thousand Five Hundred Thirty Three Only	
d	Rectangular shape 1500x450 mm	Each	2329.95	Rupees Two Thousand Three Hundred Twenty Nine and Ninety Four Paise Only	

130	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	450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms each	Each	749.64	Rupees Seven Hundred Forty Nine and Sixty Three Paise Only	
b	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 each	Each	789.21	Rupees Seven Hundred Eighty Nine and Twenty One Paise Only	
131	Providing and fixing brass bib cock of approved quality :				
a	15 mm nominal bore	Each	393.24	Rupees Three Hundred Ninety Three and Twenty Four Paise Only	
b	20 mm nominal bore	Each	422.13	Rupees Four Hundred Twenty Two and Twelve Paise Only	
132	Supplying and fixing C.I. cover without frame for manholes : 455x610 mm rectangular C.I. cover (light duty) the weight of the cover to be not less than 23 kg	Each	1511.74	Rupees One Thousand Five Hundred Eleven and Seventy Three Paise Only	
133	Supplying and fixing PVC floor traps 110mm dia. with 50mm deep seal and 63/75mm outlet.	Each	556.61	Rupees Five Hundred Fifty Six and Sixty Paise Only	
134	Supplying and fixing HDPE water tanks of SYNTEX or equivalent apporved brands	One Ltr	11.13	Rupees Eleven and Thirteen Paise Only	
135	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 in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	One Kilogram	192.14	Rupees One Hundred Ninety Two and Fourteen Paise Only	

136	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Flashings/ Aprons.(Upto 600 mm).	One metre	540.57	Rupees Five Hundred Forty and Fifty Seven Paise Only	
137	Grouting the crevices of existing rough stone masonry with cement mortar 1:3, (1cement: 3 sand)	One square metre	533.61	Rupees Five Hundred Thirty Three and Sixty Paise Only	
138	Providing cement concrete M 15 grade precast slab of size 400mmX400mmX60mm including paving, pointing with cement mortar 1:3, curing etc. complete .	One square metre	924.21	Rupees Nine Hundred Twenty Four and Twenty Paise Only	
139	Painting road kerbs and Traffic Islands 2 coats using synthetic enamel paint white, black and yellow in colour after cleaning the surface with wire brush as per directions of the Engineer-in-Charge	One square metre	165.20	Rupees One Hundred Sixty Five and Twenty Paise Only	
140	Painting road kerbs and Traffic Islands 1 coat using synthetic enamel paint white, black and yellow in colour after cleaning the surface with wire brush as per directions of the Engineer-in-Charge	One square metre	110.21	Rupees One Hundred Ten and Twenty Paise Only	
141	Recanning the bottom seat and back of office chairs in ring design/ diamond design with best approved quality plastic cane . Necessary labour and all the materials including cane, tools etc. required for the work shall be arranged by the Contractor at their cost. (The chairs will not be permitted to be taken out for recanning purposes.)	One square metre	3770.92	Rupees Three Thousand Seven Hundred Seventy and Ninety Two Paise Only	

142	Clearing of septic tanks of various sizes depth varying from 90 cms to 240 cms including disposal of the contents in trenches dug sufficient deep and covered with good earth as directed by the Engineer- in - charge. Cleaned tanks should be got inspected by the Engineer - in - charge/ authorised representative before replacing the slab. Special care should be taken to see that materials are not sprinkled on road or premises and the same transported in sufficiently big containers. Work should be done only during night between 10.00 o'clock & 5.00 o'clock (payment will be taken for the total inside cubical capacity of the tank).	One cubic metre	1522.55	Rupees One Thousand Five Hundred Twenty Two and Fifty Four Paise Only	
143	Applying Bitumen compound on the bolt holes (projected part) of AC sheet roofing after replacing damaged bolts, nuts, washers etc., using the materials supplied by the department free of cost.	One square metre	8.12	Rupees Eight and Eleven Paise Only	
144	Providing and fixing plastic felt of approved make (plastifelt & roofing compound supplied by the department free of cost) over the central valley gutter/ flashing provided at gable ends, after removing and cleaning the existing damaged plastifelt, removing and replacing the required MP tiles, making necessary openings at down pipe area etc. complete as per the direction of the Engineer- in-Charge.	One square metre	37.96	Rupees Thirty Seven and Ninety Six Paise Only	
145	Fixing sanitary fittings like valve, bib taps, anglecocks, PVC connector using the materials supplied by the department free of cost.	One square metre	187.13	Rupees One Hundred Eighty Seven and Thirteen Paise Only	
146	Replacing the damaged 300mm dia. AC pipe line with new AC pipe supplied under separate item excluding earth work excavation, dewatering and refilling etc.	One Point	13063.91	Rupees Thirteen Thousand Sixty Three and Ninety Paise Only	
147	Replacing the damaged 200mm dia. AC pipe line with new AC pipe supplied under separate item excluding earth work excavation, dewatering and refilling etc.	One Point	13063.91	Rupees Thirteen Thousand Sixty Three and Ninety Paise Only	

148	Replacing the damaged 150mm dia. AC pipe line with new AC pipe supplied under separate item excluding earth work excavation, dewatering and refilling etc.	One Point	10546.03	Rupees Ten Thousand Five Hundred Forty Six and Two Paise Only	
149	Replacing the damaged 100mm dia. AC pipe line with new AC pipe supplied under separate item excluding earth work excavation, dewatering and refilling etc.	One Point	8072.23	Rupees Eight Thousand Seventy Two and Twenty Three Paise Only	
150	Replacing the damaged 200mm dia. HDPE pipe line with new HDPE pipe supplied under separate item excluding earth work excavation, dewatering and refilling etc.	One Point	13063.91	Rupees Thirteen Thousand Sixty Three and Ninety Paise Only	
151	Replacing the damaged 150mm dia. HDPE pipe line with new HDPE pipe supplied under separate item excluding earth work excavation, dewatering and refilling etc.	One Point	10546.03	Rupees Ten Thousand Five Hundred Forty Six and Two Paise Only	
152	Replacing the damaged 100mm dia. HDPE pipe line with new HDPE pipe supplied under separate item excluding earth work excavation, dewatering and refilling etc.	One Point	8072.23	Rupees Eight Thousand Seventy Two and Twenty Three Paise Only	
153	Replacing the damaged 80mm dia. HDPE pipe line with new HDPE pipe supplied under separate item excluding earth work excavation, dewatering and refilling etc.	One Point	8072.23	Rupees Eight Thousand Seventy Two and Twenty Three Paise Only	
154	Arresting leakage of pipe line using MS clamps for 100mm dia. AC Pipes excluding earth work excavation, dewatering and refilling etc.	One Point	3999.93	Rupees Three Thousand Nine Hundred Ninety Nine and Ninety Three Paise Only	
155	Arresting leakage of pipe line using MS clamps for 150mm dia. AC Pipes excluding earth work excavation, dewatering and refilling etc.	One Point	3999.93	Rupees Three Thousand Nine Hundred Ninety Nine and Ninety Three Paise Only	
156	Arresting leakage of pipe line using MS clamp for 200mm dia. AC Pipes excluding earth work excavation, dewatering and refilling etc.	One Point	4176.63	Rupees Four Thousand One Hundred Seventy Six and Sixty Three Paise Only	
157	Arresting leakage of pipe line using MS clamp for 300mm dia. AC Pipes excluding earth work excavation, dewatering and refilling etc.	One Point	5399.45	Rupees Five Thousand Three Hundred Ninety Nine and Forty Four Paise Only	

158	Arresting leakage of pipe line using MS clamps for 200mm dia. HDPE Pipes	One Point	4176.63	Rupees Four Thousand One Hundred Seventy Six and Sixty Three Paise Only	
159	Arresting leakage of pipe line using MS clamps for 150mm dia. HDPE Pipes	One Point	3999.93	Rupees Three Thousand Nine Hundred Ninety Nine and Ninety Three Paise Only	
160	Arresting leakage of pipe line using MS clamp for 100mm dia.HDPE Pipes	one point	3999.93	Rupees Three Thousand Nine Hundred Ninety Nine and Ninety Three Paise Only	
161	Hire charges of Pump Set for de-watering	One day	890.57	Rupees Eight Hundred Ninety and Fifty Six Paise Only	
162	Replacing the damaged EDPM U rubber beading for super sliding windows with new beadings by removing the existing glass panes and aluminum section and refixing the same glass panes and aluminum sections along with the new rubber beading including cleaning the glass panes , applying silicon sealant clear for sealing etc. complete.	One Metre	62.45	Rupees Sixty Two and Forty Five Paise Only	
163	Supplying ferro cement septic tank with wall thickness 2" with 8 mm steel frame work , full covering with welded chicken mesh with 14 gauge on both sides of frame work including transporting, loading, unloading, installing as per the direction of the Engineer-in charge.	One Litre	18.37	Rupees Eighteen and Thirty Six Paise Only	
164	Filling the crevices of existing damaged dry rubble masonry (Reclamation wall) work with broken rubble pieces including all materials and labour etc. complete	One Square Metre	275.52	Rupees Two Hundred Seventy Five and Fifty One Paise Only	
165	Pointing with CM 1:3 for RR masonry work.	One Square Metre	246.45	Rupees Two Hundred Forty Six and Forty Four Paise Only	

166	Providing and fixing mosquito shuttering to windows, ventilators/ opening/ grills using powder coated aluminium section no.9948 of shell thickness of 1.5mm , SS net grade 316, including all labour and materials, SS handles 3"/2", SS hinges 3"/2", Magnet,tower bolt, spring, bush and beedings etc. complete as per the directions of the Engineer in charge.	One Square Metre	2057.21	Rupees Two Thousand Fifty Seven and Twenty One Paise Only	
167	Providing and fixing mosquito shuttering to doors using powder coated aluminium section no.9948 of shell thickness 1.5 mm, SS net grade 316, including all labour and materials,SS handles 3"/2", SS hinges 3"/2", Magnet,tower bolt, spring, bush and beedings etc. complete as per the directions of the Engineer in charge.	One Square Metre	2571.52	Rupees Two Thousand Five Hundred Seventy One and Fifty One Paise Only	
168	Providing and fixing sign boards with 18 gauge GI sheet on 1" GI square tube 16 gauge frame (15" x 18" size) with post of 2" GI pipe 16 gauge, 9 feet height, single side frame work including digital colour printed letters on vinyl sheeting and fixing in position with PCC 1:2:4 (0.45m x 0.45m x 0.60 m),painting 2 coats over a coat of Zinc Chromate primer etc. complete.	Each	6000.20	Rupees Six Thousand and Twenty Paise Only	
169	Supplying and fixing boards of size (4' x 2') of reflective cutting letter on vinyl pasted sheet over 16 gauge GI sheet with 1.5" GI square tube framing and ,2" dia GI pipe post 2.1 m height above ground level including painting and fixing in position with PCC 1:2:4 , 40x40x45 cm at various locations on W / Island etc. complete. Caption :(As required)including all materials and labour etc. complete,	Each	8204.36	Rupees Eight Thousand Two Hundred Four and Thirty Five Paise Only	
170	Supplying and fixing Swachh Bharat hoardings of size (6' x 4') on vinyl pasted sheet over 16 gauge GI sheet with 1.5" GI square tube framing and, 2" dia GI pipe post 2.1 m height above ground level including painting and fixing in position with PCC 1:2:4 , 40x40x45 cm at W / Island etc. complete. Caption :(As required)including all materials and labour etc. complete,	Each	14082.11	Rupees Fourteen Thousand Eighty Two and Ten Paise Only	

171	Removing the accumulated silt in the water passage of Tide Gauge room,clearing the debries fom the roof top of CAD canteen building, including transporting the debries from both the sites etc. complete.	Each Cleaning	17878.15	Rupees Seventeen Thousand Eight Hundred Seventy Eight and Fifteen Paise Only	
172	Providing and applying Superplast strips (10 cm wide, 10 m roll,STP brand) over the joints of AC ridge cap of CFS godown.	One Number	207.80	Rupees Two Hundred Seven and Eighty Paise Only	
173	Providing and applying Superplast strips (10cm , 10 m roll,STP brand)over the lap joints of Galvalume sheet of CFS office roof and flashing.	One Metre	212.33	Rupees Two Hundred Twelve and Thirty Three Paise Only	
174	Providing and applying Superplast strips, Roofing compound (STP brand)etc. at Central valley gutter at CFS.	One Number	1746.30	Rupees One Thousand Seven Hundred Forty Six and Thirty Paise Only	
175	Washing and cleaning the existing marble flooring after cleaning with oxalic acid,applying white cement, grinding and polishing with Mansion polish etc. complete.	One Square Metre	230.09	Rupees Two Hundred Thirty and Eight Paise Only	
176	Washing and cleaning the existing glazed wall tiles by using oxalic acid, and polishing with Mansion polish etc. complete.	One Square Metre	61.23	Rupees Sixty One and Twenty Two Paise Only	
177	Providing Aluminium venetian blinds, horizontal 1" size.	One Square Metre	1763.32	Rupees One Thousand Seven Hundred Sixty Three and Thirty Two Paise Only	
178	Cutting and removing coconut trees of various heights and disposing the debris as directed by the Engineer-in-Charge	Each	3673.59	Rupees Three Thousand Six Hundred Seventy Three and Fifty Nine Paise Only	
179	Providing Eurocone tile flooring over the existing concrete floor including leveling with 20 mm thick cement mortar 1:4 after cleaning and preparation of the existing surface etc complete as per the direction of Engineer in charge.	One Square Metre	1049.59	Rupees One Thousand Forty Nine and Fifty Nine Paise Only	

180	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and provided with horizontal lines and two diagonals interwoven with horizontal end post on one side only and wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the wire used. With G.I. barbed wire(Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per metre cost of total length of barbed wire.	One Metre	24.60	Rupees Twenty Four and Sixty Paise Only	
181	Supplying and providing at site Angle iron post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete.	One Kg	139.99	Rupees One Hundred Thirty Nine and Ninety Eight Paise Only	
182	Leak proofing works on existing tile profile roofing sheets using tar felt sheets(STP brand) / leak proofing compound (STP Brand) / approved quality on over all joints , laps, valley and where ever required for arresting leakages including cleaning over all roof areas including cost and conveyance of all materials , labour, tools for all leads and lifts including all safety measures etc complete as per the directions of Engineer- in - Charge.	One Metre	117.55	Rupees One Hundred Seventeen and Fifty Five Paise Only	
183	Providing and fixing warning boards with 18 gauge GI sheet on 1" GI square tube (16 gauge) frame (3' x 2' size) with post of 2" GI pipe (16 gauge) 7 feet height, single side frame work including digital colour printed letters on vinyl sheeting and fixing in position with PCC 1:2:4 (0.45m x0.45m x0.60 m), painting 2 cots over a cot of Zinc Chromate primer etc. complete. Caption : As required-Along with Port logo.	Each	7310.45	Rupees Seven Thousand Three Hundred Ten and Forty Five Paise Only	
184	Removing the existing damaged ceiling tiles and re-laying /re-installing the existing good condition ceiling tiles of size 600X600X15mm thick on existing modular grids to true line and level including labour for all leads and lifts ,other incidentals etc complete.	One Square Metre	63.68	Rupees Sixty Three and Sixty Seven Paise Only	

185	Removing the existing damaged ceiling grids and providing & installing to true line and level commercial type suspended Calcium Silicate ceiling by re-using the existing good condition ceiling tiles of size 600X600X15mm thick ,suspended using suitable support system at every 1200mm intervals by providing grids having width of 24mm finished and approved shade(white).The main runners and cross Tees to be of 'stab' installation systems made of corrosion protected galvanized steel of approved make,including all grid membrs,drops edge mouldings,etc.complete.	One Square Metre	592.43	Rupees Five Hundred Ninety Two and Forty Two Paise Only	
186	Supplying and fixing reflector (PVC road stud) including cost of material, all labour etc complete , as per the direction of the Engineer-in charge.	Each	222.86	Rupees Two Hundred Twenty Two and Eighty Six Paise Only	
187	Providing curtain with polister and satine fabric cloth, fixed with powder coated Aluminium 'C' channel, clamp,hooks etc. complete.	One Square Metre	838.80	Rupees Eight Hundred Thirty Eight and Eighty Paise Only	
188	Providing and fixing Aluminium mosquito shuttering to the windows using powder coated Aluminium mosquito section No.9948 of shell thickness 1.50 mm, Aluminium mosquito net including all Aluminium fittingsetc as directed by Engineer in charge	One Square Metre	2755.19	Rupees Two Thousand Seven Hundred Fifty Five and Nineteen Paise Only	
189	Providing and fixing Aluminium frame for fixing mosquito shutters to the windows using powder coated Aluminium section shell thickness 1.50 mm, including all Aluminium fittings etc as directed by Engineer in charge	One Metre	239.27	Rupees Two Hundred Thirty Nine and Twenty Seven Paise Only	
190	Dismantling water meter provided at Jn'rum supply line/KWA line of dia 14"/9" for repairing and fixing fabricated MS flange pipe to water line for receiving water	Each	10614.23	Rupees Ten Thousand Six Hundred Fourteen and Twenty Three Paise Only	
191	Dismantling MS flange pipe from Jn'rum supply line/KWA line of dia 14"/9" and re fixing the repaired water meter at water line	Each	10614.23	Rupees Ten Thousand Six Hundred Fourteen and Twenty Three Paise Only	

192	Supplying and fixing sign boards of size 0.9m x 0.9m x 0.9m triangular "Toll Booth Sign" and 0.9 x 1.20m "DEAD SLOW- Toll Booth Ahead" square board of reflective vinyl stickers on 16g GI sheet, GI square tube framing and 2" GI pipe post, 2.10m height above ground level including painting and fixing in position with PCC 1:2:4 and 0.4 x 0.4 x 0.45 m including all materials and labour charges.	Each	9796.25	Rupees Nine Thousand Seven Hundred Ninety Six and Twenty Four Paise Only	
193	Providing hump / Rumble strips with 2.5cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm and 52 kg and 56 kg of hot bitumen per cum of stone chippings of 13.2mm and 11.2mm size respectively , including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete(tack coat to be paid for seperately).With paving Asphalt grade VG-30 with tack coat using bitumen emulsion conforming to IS:8887@ 0.25kg/sqm.(data)	One Metre	319.48	Rupees Three Hundred Nineteen and Forty Eight Paise Only	
194	Providing and fixing RCC Standards post/ struts/ rails /pales of mix 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 12.5 mm nominal size) with wooden plugs or 6mm bar nibs wherever required as per direction of Engineer-incharge.(Cost of earth work in excavation ,concrete works in foundation to be paid separately)	One Cubic Metre	36284.94	Rupees Thirty Six Thousand Two Hundred Eighty Four and Ninety Three Paise Only	
195	Fencing with RCC post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be struttred on both sides and end post one side only,provided with horizontal lines and two diagonals of barbed wire weighing 9.38 kg per 100 metres (minimum) between the two posts fitted and fixed with G.I staples on wooden plugs or G.I binding wire tied to 6mm bar nibs fixed while casting the post(Cost of RCC posts, struts, earth work and concrete to be paid for separately):- Payment to be made per metre cost of total length of barbed wire used	One Metre	15.58	Rupees Fifteen and Fifty Eight Paise Only	

196	Providing and fixing warning/signage boards with (18 gauge) GI square tube (16 gauge) frame (600mmx300mm size) with post of 2" GI pipe (16gauge) at 1.8m height, single side frame work including digital colour printed letters on vinyl sheeting and fixing in position with PCC 1:2:4 (0.30mx0.30mx0.40m), painting 2 coats of enamel paint over a coat of zinc chromate primer etc complete. Caption: as required along with Port Logo .	Each	6122.66	Rupees Six Thousand One Hundred Twenty Two and Sixty Five Paise Only	
197	Providing and fixing warning/signage boards with (18 gauge) GI square tube (16 gauge) frame (500mmx250mm size) with post of 1.5" GI pipe (16gauge) at 1.6m height, single side frame work including digital colour printed letters on vinyl sheeting and fixing in position with PCC 1:2:4 (0.30mx0.30mx0.40m), painting 2 coats of enamel paint over a coat of zinc chromate primer etc complete. Caption: as required along with Port Logo .	Each	4530.76	Rupees Four Thousand Five Hundred Thirty and Seventy Six Paise Only	
198	Providing and fixing warning/signage boards with (18 gauge) GI square tube (16 gauge) frame (500mmx250mm size) with post of 1.5" GI pipe (16gauge) at 1.6m height, single side frame work including digital colour printed letters on vinyl sheeting and fixing in position with PCC 1:2:4 (0.30mx0.30mx0.40m), painting 2 coats of enamel paint over a coat of zinc chromate primer etc complete. Caption: as required along with Port Logo .	Each	3061.33	Rupees Three Thousand Sixty One and Thirty Two Paise Only	
199	Leak proofing works on existing roofing sheets using tarfelt sheets (150mm width) of approved quality over all joints, laps, valley and where ever required as per the instructions of the Engineer-in-Charge, including cost and conveyance of all materials, leak proofing compounds, labour for all leads and lifts, other incidents etc. complete	One Metre	186.13	Rupees One Hundred Eighty Six and Twelve Paise Only	

200	Leak proofing works on existing rectangular eaves gutter using tarfelt sheets (150mm width) of approved quality over all joints, laps and where ever required after dismantling, repairing and refitting the eaves gutters and MS brackets to the required line and level as per the instructions of the Engineer-in-Charge, including cost and conveyance of all materials, leak proofing compounds, labour for all leads and lifts, other incidents etc. complete	One Metre	255.93	Rupees Two Hundred Fifty Five and Ninety Two Paise Only	
201	Supplying and fixing high quality vinyl on all old signage boards of Cochin Port	One Square Metre	1054.47	Rupees One Thousand Fifty Four and Forty Six Paise Only	
202	Providing Rumble Strips : 2 cm premix carpet surfacing with 1.8 cum and 0.90 cum of stone chippings 13.2 mm size and 11.2 mm size respectively per 100 sqm and 52 kg and 56 kg of hot bitumen per cum of stone chipping of 13.2 mm and 11.2 mm size respectively, including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc.complete with paving Asphalt grade VG - 30 for rumble strips 150 mm width and 60 mm crown size.	One Metre	504.02	Rupees Five Hundred Four and One Paise Only	
203	Speed Breaker (Humps) : Providing 2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm and 52 kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively, including a tack coat with bitumen emulsion, including consolidation with road roller of 6 to 9 tonne capacity etc.complete with paving Asphalt grade VG - 30 for Speed breaker 3500 mm width.	One Metre	3751.72	Rupees Three Thousand Seven Hundred Fifty One and Seventy One Paise Only	
204	Supplying and fixing sign boards of size 0.60mx0.60mx0.60m triangular and 0.60mx1.20m with UV resistant reflective vinyl stickers on 16g GI sheet, GI square tube framing and 2" GI pipe post, 2.10m height above ground level including painting and fixing in position by cutting hard surface, with PCC 1:2:4 and 0.40mx0.40mx0.45m including all materials and labour charge.	Each	12245.31	Rupees Twelve Thousand Two Hundred Forty Five and Thirty One Paise Only	

205	Supplying and fixing sign boards of size 0.60mx0.60mx0.60m triangular and 0.60mx0.60m of reflective vinyl stickers on 16g GI sheet, GI square tube framing and 2" GI pipe post, 2.10m height above ground level including painting and fixing in position by cutting hard surface with PCC 1:2:4 and 0.40mx0.40mx0.45m including all materials and labour charge.	Each	9183.98	Rupees Nine Thousand One Hundred Eighty Three and Ninety Eight Paise Only	
206	Replacing the damaged top hinges of the UPVC windows of the Samudrika hall including dismantling the window shutter and refixing with all cost of labour and materials.	Each	1084.69	Rupees One Thousand Eighty Four and Sixty Eight Paise Only	
207	Felling trees of the girth (measured at a height of 1 m above ground level), including cutting of trunks and branches, removing the roots and stacking of serviceable material and disposal of unserviceable material.				
a	Beyond 30 cm girth upto and including 60 cm girth	Each	592.62	Rupees Five Hundred Ninety Two and Sixty One Paise Only	
b	Beyond 60 cm girth upto and including 120 cm girth	Each	2642.20	Rupees Two Thousand Six Hundred Forty Two and Twenty Paise Only	
c	Beyond 120 cm girth upto and including 240 cm girth	Each	12267.74	Rupees Twelve Thousand Two Hundred Sixty Seven and Seventy Four Paise Only	
d	Above 240 cm girth	Each	24574.33	Rupees Twenty Four Thousand Five Hundred Seventy Four and Thirty Three Paise Only	
208	Providing and fixing roofing with orlaim or equivalent coloured Aluminium sheet 0.56mm thick including J bolts, L hooks, washers and self drilling screws wherever necessary.	One Square Metre	923.05	Rupees Nine Hundred Twenty Three and Five Paise Only	

209	Providing ridge cappings in required shape and size with Aluminium (Oralum or equivalent) capping 2.40mx0.60m, 0.56mm thick of approved colour including bolts, nuts, washers and self drilling screws wherever necessary.	One Metre	734.72	Rupees Seven Hundred Thirty Four and Seventy One Paise Only	
210	Providing roofing with troughed prepainted galvalume sheets, 0.50mm thick over purlins already fixed in position using respert grey /xylam coated anticorrosive fasteners like self drilling screws with EPDM/Neopreme washers including cost of all materials and labour, scaffolding all liofts etc. as per the directions of Engineer-in-Charge.	One Square Metre	977.30	Rupees Nine Hundred Seventy Seven and Twenty Nine Paise Only	
211	Rectifying the detached DI pipe line; by providing proper anchorage/ proper fittings, connected to the UG tank at Matt. Wharf pump House.	Each	5289.97	Rupees Five Thousand Two Hundred Eighty Nine and Ninety Seven Paise Only	
212	Supplying and fixing good approved quality Chromium Plated brass grating including all materials, labour etc. Complete as directed by the Engineer-in-Charge.	Each	183.68	Rupees One Hundred Eighty Three and Sixty Seven Paise Only	
213	Supplying and fixing good approved quality special type Push Cock for Urinals as directed by the Engineer-in-Charge	Each	1224.53	Rupees One Thousand Two Hundred Twenty Four and Fifty Three Paise Only	
214	Providing and fixing glazing with float glass panes of 5.50mm thickness in aluminium door, window, ventilator shutters and partition etc with EDPM rubber/neoprene gasket etc complete as per the architectural drawings and directions of Engineer-in-Charge.	One Square Metre	1675.66	Rupees One Thousand Six Hundred Seventy Five and Sixty Five Paise Only	

215	Providing & fixing double action hydraulic floor spring, with SS cover plate minimum 1.25mm thickness of approved brand and manufacture conforming to IS 6315 having brand logo embossed on the body /plate with double spring mechanism and door weight up to 125 kg, for door including cost of cutting floor, embedded 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.	Each	3143.54	Rupees Three Thousand One Hundred Forty Three and Fifty Three Paise Only	
216	Cutting & removing branches of trees of girth below 1.20m without causing damages to the building and disposing the wooden wastes within a lead of 6km as per the directions of the Engineer-in-Charge, including hire of necessary machineries, labour and transportation charges etc complete and the usable materials has to be stacked at the compound of kendriya Bhandar	Each	529.43	Rupees Five Hundred Twenty Nine and Forty Two Paise Only	
217	Cutting & removing branches of trees of girth between 1.20m to 3.00m without causing damages to the building and disposing the wooden wastes within a lead of 6km as per the directions of the Engineer-in-Charge.	Each	7044.73	Rupees Seven Thousand Forty Four and Seventy Two Paise Only	
218	Supplying and providing sensors (Battery system) for urinals	Each	7677.20	Rupees Seven Thousand Six Hundred Seventy Seven and Nineteen Paise Only	
219	Replacing battery case of urinal sensor	Each	498.87	Rupees Four Hundred Ninety Eight and Eighty Seven Paise Only	
220	Replacing flushing tank (Cascade)	Each	3342.36	Rupees Three Thousand Three Hundred Forty Two and Thirty Five Paise Only	
221	Supplying and laying/ fixing good approved quality 75mm dia PVC pipe (10Kg/cm2) of Finolex/ Supreme or approved equivalent make buried / above ground for water supply.	One Metre	475.98	Rupees Four Hundred Seventy Five and Ninety Seven Paise Only	

222	Supplying and fixing 75mm dia. good quality PVC valve	Each	582.88	Rupees Five Hundred Eighty Two and Eighty Seven Paise Only	
223	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	One Suare Metre	146.67	Rupees One Hundred Forty Six and Sixty Six Paise Only	
224	Providing and laying 60mm thick faciory 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.	One Suare Metre	1082.04	Rupees One Thousand Eighty Two and Four Paise Only	

225	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways 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 sand, compacting and proper embedding/laying of inter locking paver blocks into the sand sbedding 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. complete all as per direction of Engineer-in-Charge. 60mm thick cement concrete paver block of M-35 grade with approved colour, design & pattern.	One Suare Metre	1164.03	Rupees One Thousand One Hundred Sixty Four and Two Paise Only	
226	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways 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 sand, compacting and proper embedding/laying of inter locking paver blocks into the sand sbedding 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. complete all as per direction of Engineer-in-Charge. 80mm thick cement concrete paver block of M-30 grade with approved colour, design & pattern.	One Suare Metre	1215.07	Rupees One Thousand Two Hundred Fifteen and Six Paise Only	

227	Laying old cement concrete interlocking paver blocks of any design/ shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge. (Old CC paver blocks shall be supplied by the department free of cost).	One Square Metre	448.57	Rupees Four Hundred Forty Eight and Fifty Six Paise Only	
228	Providing and fixing of Name board of size 2'x1' black colour plastic board 4mm thick and brass colour plastic letters in English & Hindi on both side of board with frame for fixing board including all labour, materials etc. complete	Each	8417.00	Rupees Eight Thousand Four Hundred Seventeen Only	
229	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) :				
a	100mm Class I	Each	5333.61	Rupees Five Thousand Three Hundred Thirty Three and Sixty One Paise Only	
b	100mm Class II	Each	5550.30	Rupees Five Thousand Five Hundred Fifty and Twenty Nine Paise Only	
c	125mm Class I	Each	5745.05	Rupees Five Thousand Seven Hundred Forty Five and Five Paise Only	
d	125mm Class II	Each	6615.81	Rupees Six Thousand Six Hundred Fifteen and Eighty Paise Only	
e	150mm Class I	Each	7755.18	Rupees Seven Thousand Seven Hundred Fifty Five and Seventeen Paise Only	
f	150mm Class II	Each	8140.24	Rupees Eight Thousand One Hundred Forty and Twenty Three Paise Only	
g	200mm Class I	Each	15089.23	Rupees Fifteen Thousand Eighty Nine and Twenty Two Paise Only	

h	200mm Class II	Each	16278.41	Rupees Sixteen Thousand Two Hundred Seventy Eight and Forty One Paise Only	
i	250mm Class I	Each	21781.68	Rupees Twenty One Thousand Seven Hundred Eighty One and Sixty Seven Paise Only	
j	250mm Class II	Each	27411.13	Rupees Twenty Seven Thousand Four Hundred Eleven and Twelve Paise Only	
k	300mm Class I	Each	30122.68	Rupees Thirty Thousand One Hundred Twenty Two and Sixty Eight Paise Only	
l	300mm Class II	Each	33622.28	Rupees Thirty Three Thousand Six Hundred Twenty Two and Twenty Eight Paise Only	
230	Replacing damaged knod of flushing tank	Each	531.32	Rupees Five Hundred Thirty One and Thirty Two Paise Only	
231	Supplying and Providing Duracell batteries	Each	68.70	Rupees Sixty Eight and Sixty Nine Paise Only	
232	Welded steel wire fabric fencing with posts of specified material and of standard design placed and embedded in cement concrete blocks 45x45x 60 cm of mix 1:5:10 (1 cement:5 fine sand : 10 graded stone aggregate 40 mm nominal size), every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and struts embedded in cement concrete blocks 70x45x50 cm of the same mix, provided with welded steel wire fabric fixed between the posts fitted and fixed with G.I. staples on wooden plugs or tied to 6 mm bar nibs with G.I. binding wire (cost of posts, welded steel wire fabric, painting, earth work in excavation and concrete to be paid for separately).	One Square Metre	73.64	Rupees Seventy Three and Sixty Three Paise Only	

233	Constructing masonry Chamber 90x90x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design : With common burnt clay F.P.S.(non modular) bricks of class designation 7.5 each	Each	21036.00	Rupees Twenty One Thousand Thirty Five and Ninety Nine Paise Only	
234	Constructing masonry Chamber 120x120x100 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design : With common burnt clay F.P.S.(non modular) bricks of class designation 7.5 each	Each	29125.36	Rupees Twenty Nine Thousand One Hundred Twenty Five and Thirty Five Paise Only	
235	Providing and laying flanged C.I. standard specials such as tees, bends, collars, tapers, caps etc., suitable for flanged jointing as per IS : 1538 : Up to 300 mm dia	quintal	9605.44	Rupees Nine Thousand Six Hundred Five and Forty Four Paise Only	

236	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. Granite of any colour and shade Area of slab upto 0.50 sqm.	One square metre	5283.52	Rupees Five Thousand Two Hundred Eighty Three and Fifty One Paise Only	
237	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 :				
a	100mm dia. RCC pipe	One metre	564.45	Rupees Five Hundred Sixty Four and Forty Five Paise Only	
b	150mm dia. RCC pipe	One metre	619.45	Rupees Six Hundred Nineteen and Forty Four Paise Only	
c	250mm dia. RCC pipe	One metre	1001.67	Rupees One Thousand One and Sixty Six Paise Only	
d	300mm dia. RCC pipe	One metre	1106.86	Rupees One Thousand One Hundred Six and Eighty Six Paise Only	
e	450mm dia. RCC pipe	One metre	1804.46	Rupees One Thousand Eight Hundred Four and Forty Five Paise Only	
f	500mm dia. RCC pipe	One metre	2136.14	Rupees Two Thousand One Hundred Thirty Six and Thirteen Paise Only	
g	600mm dia. RCC pipe	One metre	2497.38	Rupees Two Thousand Four Hundred Ninety Seven and Thirty Seven Paise Only	

h	700mm dia. RCC pipe	One metre	3264.49	Rupees Three Thousand Two Hundred Sixty Four and Forty Eight Paise Only	
i	800mm dia. RCC pipe	One metre	3909.54	Rupees Three Thousand Nine Hundred Nine and Fifty Three Paise Only	
j	900mm dia. RCC pipe	One metre	5288.69	Rupees Five Thousand Two Hundred Eighty Eight and Sixty Nine Paise Only	
k	1000mm dia. RCC pipe	One metre	6192.34	Rupees Six Thousand One Hundred Ninety Two and Thirty Four Paise Only	
l	1100mm dia. RCC pipe	One metre	6987.17	Rupees Six Thousand Nine Hundred Eighty Seven and Seventeen Paise Only	
m	1200mm dia. RCC pipe	One metre	7906.18	Rupees Seven Thousand Nine Hundred Six and Eighteen Paise Only	
238	Supplying good quality European Type Water Closet of Parryware model Venus Rimless C8825 of size 520x360x340 with soft close seat cover or approved equivalent make including all required fitting etc.Complete.	One metre	14817.94	Rupees Fourteen Thousand Eight Hundred Seventeen and Ninety Three Paise Only	
239	Supplying good quality concealed flushing cistern of Geberit Kombifix Alpha-110.120.00.1 or approved equivalent make including all required fitting etc.Complete	One metre	12133.99	Rupees Twelve Thousand One Hundred Thirty Three and Ninety Eight Paise Only	
240	Supplying good quality Actuator Plates of Geberit Alpha 15,bright Chrome or approved equivalent make including all required fitting etc.Complete	One metre	2150.72	Rupees Two Thousand One Hundred Fifty and Seventy Two Paise Only	
241	Supplying good quality paper holder with cover of Parryware T6414A1 or approved equivalent make including all required fitting etc.Complete.	One metre	1614.15	Rupees One Thousand Six Hundred Fourteen and Fifteen Paise Only	

242	Supplying good quality Health Faucets of Parryware T9940A1 Slimline with SS Hose & Hook or approved equivalent make including all required fitting etc.Complete.	One metre	888.34	Rupees Eight Hundred Eighty Eight and Thirty Four Paise Only	
243	Providing mechanical anchor bolts for fixing frame and post 75mm long, 8mm dia. including cost of all labour, materials etc. complete as per directions of the Engineer-in-charge.	Each	91.84	Rupees Ninety One and Eighty Three Paise Only	
244	Providing cladding with AC cement 6mm thick corrugated sheets over purlins already fixed in position using respert grey/ xylem coated anticorrosive fasteners like self drilling screws with EPDM/ Neopreme washers/ GI bolts & nuts including cost of all materials and labour, scaffolding all lifts etc. as per directions of ENGINEER-IN-CHARGE (Cement corrugated sheets supplied by department at free of cost)	One Square Metre	192.73	Rupees One Hundred Ninety Two and Seventy Two Paise Only	
245	Excavation/ Refilling, providing 25mm dia. Ferrule in the old 4" AC pipe line with saddle piece, bolt, nuts, 25mm dia.. Brass full way valve including cost of all labour materials etc. complete as per the direction of the Engineer-in-charge.	Each	6636.14	Rupees Six Thousand Six Hundred Thirty Six and Thirteen Paise Only	
246	Providing 80mm dia. Medium class GI pipe sleeve at road cutting including cost of all labour, materials etc. complete as per directions of the Engineer-in-charge.	One Square Metre	1009.66	Rupees One Thousand Nine and Sixty Six Paise Only	
247	Supplying 25mm approved quality water meter with test certificate as per directions of the Engineer-in-charge.	Each	5009.45	Rupees Five Thousand Nine and Forty Four Paise Only	

248	Providing Asbestos Sheet 6mm thick corrugated sheets roofing up to any pitch and fixing with Polymer coated J, or L hooks, bolts & nuts 8mm dia. GI plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete (excluding cost of purlins, rafters and trusses) including cutting sheets to size and shape wherever required with the retrieved sheets supplied departmentally at free of cost including cost of all labour, material except roofing sheet etc. complete as per directions of the Engineer-in-charge.	One Square Metre	189.88	Rupees One Hundred Eighty Nine and Eighty Seven Paise Only	
249	Supplying 1 HP monoblock pump with motor set V-Guard/ Crompton Greaves or approved equivalent make single phase including fittings as per the direction of the Engineer-in-charge.	Each	10018.89	Rupees Ten Thousand Eighteen and Eighty Nine Paise Only	
250	Leak proofing works on existing tile profile roofing sheets using tar felt sheets/ leak proofing compound (STP brand or approved equivalent make & quality) on overall joints, laps, valley and wherever required for arresting leakages including cleaning overall roof areas including cost and conveyance of all material, labour, tools, for all leads and lifts including all safety measures including cost of all labour, materials etc. complete as per directions of the Engineer-in-charge.	One Square Metre	350.22	Rupees Three Hundred Fifty and Twenty One Paise Only	

251	Supplying and fixing with Mechanical Anchor bolts HAS M10 x 98 35/25, 100mm long including cost of all labour, materials etc. complete as per directions of the Engineer-in-charge.	Each	224.82	Rupees Two Hundred Twenty Four and Eighty Two Paise Only	
252	Making, supplying and fixing water level indicators using Aluminium rectangular tube 40 x 20mm @ 0.877 Kg/m, Aluminium composite panel, Brass pulley 100mm dia., Marine Ball 200mm dia., 700gms, Pointer guide channel, display sticker, Teflon string, M.S indicator needle 'T' frame, Angle frame for fixing board including cost of all labour, materials etc. complete as per directions of the Engineer-in-charge.	Each	13875.28	Rupees Thirteen Thousand Eight Hundred Seventy Five and Twenty Eight Paise Only	
253	Taking out the existing Aluminium partition and providing partition with the retrieved materials to new areas including cost of all labour, materials other than Aluminium frame & particle board etc. complete as per directions of the Engineer-in-charge.	One Square Metre	1054.08	Rupees One Thousand Fifty Four and Seven Paise Only	
254	Supplying and fixing Anodised Aluminium hanging type door stopper including cost of all labour, materials etc. complete as per directions of the Engineer-in-charge.	Each	30.04	Rupees Thirty and Three Paise Only	
255	Supplying and fixing Anodised Aluminium pull bolt lock (Bolting lock) of size 85mm x 42mm with screws, bolts, nuts and washers complete including cost of all labour, materials etc. complete as per directions of the Engineer-in-charge.	Each	54.55	Rupees Fifty Four and Fifty Four Paise Only	
256	Supplying and fixing Anodised Aluminium Casement stay 250mm including cost of all labour, materials etc. complete as per directions of the Engineer-in-charge.	Each	37.85	Rupees Thirty Seven and Eighty Four Paise Only	
257	Supplying and fixing Shower Rose CP brass for 15 to 20mm inlet 100mm dia including cost of all labour, materials etc. complete as per directions of the Engineer-in-charge	Each	134.70	Rupees One Hundred Thirty Four and Sixty Nine Paise Only	
258	Supplying and fixing CP Brass stop cock (concealed) 15mm including cost of all labour, materials etc. complete as per directions of the Engineer-in-charge	Each	495.38	Rupees Four Hundred Ninety Five and Thirty Seven Paise Only	

259	Supplying and fixing CP Brass angle valve 15mm including cost of all labour, materials etc. complete as per directions of the Engineer-in-charge	Each	420.79	Rupees Four Hundred Twenty and Seventy Nine Paise Only	
260	Random rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 Cement: 6 coarse sand: 12 graded stone aggregate 20mm nominal size) upto plinth level with Cement mortar 1:6 (1cement : 6 coarse sand) with retrieved rubbles including cost of all labour, materials except rubble etc. complete as per directions of the Engineer-in-charge.	m3	8138.96	Rupees Eight Thousand One Hundred Thirty Eight and Ninety Five Paise Only	
261	Supply and erection of 1 No. RCC precast water tank of size 90cm dia. 2500mm length and 60mm wall thickness including supplying, transporting including loading and unloading, erection in position, cost of all labour, material, tools, equipment etc. complete as directed by the Engineer-in-charge.	Each	55716.16	Rupees Fifty Five Thousand Seven Hundred Sixteen and Sixteen Paise Only	
262	Cleaning the existing wood floor and polishing the wood works with touch wood including cost of all labour, materials etc. complete as per directions of the Engineer-in-charge.	m2	189.50	Rupees One Hundred Eighty Nine and Forty Nine Paise Only	
263	Supply and fixing name board of size 2.40 x 0.90m using 25mm GI Square tube frame and flex printing in front, side cladding etc. including cost of all material, labour printing and fixing charges etc. complete as per the directions of the Engineer-in-charge.	Each	8939.08	Rupees Eight Thousand Nine Hundred Thirty Nine and Seven Paise Only	
264	Supplying 18" x 6" name boards for trees/ plants including cost of all labour, materials etc. complete as per the direction of the Engineer-in-charge.	Each	159.19	Rupees One Hundred Fifty Nine and Eighteen Paise Only	
265	Supplying and fixing 2 feet x 1 feet sign board using 16 Gauge 1 inch pipe post (4 feet) from G.L, 18 Gauge GI sheet on 16 Gauge 1 inch G.I Square tube Frame with High vinyl printing etc., including cost of all labour, materials etc. complete as per the direction of the Engineer-in-charge.	Each	3612.37	Rupees Three Thousand Six Hundred Twelve and Thirty Six Paise Only	

266	Providing and fixing "No Parking" Boards using 3mm MS sheet of size 18 guage round of 18" dia, post 9 feet including two rectangular boards of size 18'x8" and 18'x6" suitably below the round board, fixing, painting including cost of all labour, materials etc. complete as per the directions of the Engineer-in-charge.	Each	8326.81	Rupees Eight Thousand Three Hundred Twenty Six and Eighty One Paise Only	
267	Supplying and fixing warning boards of size 0.90mx0.60m using 3/4 " GI Square tube frame fixed with 5mm foarm board base painting warning notice on Vinyl including cost of all labour, materials etc. complete as per the direction of the Engineer-in-charge.	Each	4653.22	Rupees Four Thousand Six Hundred Fifty Three and Twenty One Paise Only	
268	Providing and fixing 3 feet x 2 feet sign boards using (A) 16 Gauge 2 inch Round Pipe Post (7 feet from the Ground level) (B) 18 Gauge GI sheet on 16 gauge 1.00 inch GI Square tube frame. (C) High Vinyl printing on post, including cost of all labour, materials etc. complete as per the directions of the Engineer-in-charge.	Each	10775.87	Rupees Ten Thousand Seven Hundred Seventy Five and Eighty Seven Paise Only	
269	Providing 3 feet x 2 feet board using 18 Gauge sheet on 16 Gauge 1 inch GI square tube frame with high vinyl printing, including cost of all labour, materials etc. complete as per the directions of the Engineer-in-charge..	Each	7347.19	Rupees Seven Thousand Three Hundred Forty Seven and Eighteen Paise Only	

270	Manufacturing, supplying and fixing retro reflective sign boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type - IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, message (bi-lingual), symbols and borders etc. as per IRC ; 67:2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class -2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminium alloy rivets @ 20 cm c/c to back support frame of M.S. angle iron of size 25x25x3 mm along with theft resistant measures, mounted and fixed with 2 Nos. M.S. angles of size 35x35x5 mm to a vertical post made up to M.S. Tee section ISMT 50x50x6 mm welded with base plate of size 100x100x5 mm at the bottom end and including making holes in pipes, angles flats, providing & fixing M.S. message plate of required size, steel work to be painted with two or more coats of synthetic enamel paint of required shade and of approved brand & manufacture over priming coat of zinc chromate yellow primer (vertical MS-Tee support to be painted in black and white colours).Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coat including all leads and lifts etc. complete as per drawing , specification and direction of Engineer-in-charge.				
A	Mandatory/ Regulatory sign boards of 900 mm diametre with support length of 3750 mm	Each	7996.58	Rupees Seven Thousand Nine Hundred Ninety Six and Fifty Seven Paise Only	
B	Cautionary /warning sign boards of equilateral triangular shape having each side of 900 mm with support length of 3650 mm	Each	6189.17	Rupees Six Thousand One Hundred Eighty Nine and Sixteen Paise Only	

271	Manufacturing, supplying and fixing retro reflective overhead signage boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity and encapsulated lens type heat activated retro reflective sheeting conforming to type - III of ASTM-D- 4956-01as approved by Engineer-in-charge, letters, borders etc. as per IRC : 67-2001 in silver white with blue colour back ground and with high intensity grade, pasted on substrate by pressure sensitive adhesive backing which shall be activated by applying pressure conforming to class II of ASTM-D-4956-01 and fixing the same to the plate of structural frame work by means of suitable sized aluminium alloys, rivets or bolts & nuts @ 300 mm centre to centre all along the periphery as well as in two vertical rows along with theft resistant measures, including the cost of painting with two or more coats of epoxy paint in grey colour on the back side of aluminium sheet including appropriate priming coat. The rate includes the cost of rounding off the corners, lowering down the structural frame work from the gantry, fixing and erecting the same in position all complete as per drawings, specification and direction of the engineer-in charge.(Structural frame work including M.S. plate to be provided separately. Rectangular area of the sheet only shall be measured for payment). Overhead informatory road signage.	One Square Metre	6545.56	Rupees Six Thousand Five Hundred Forty Five and Fifty Six Paise Only	
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272	Providing Retro-reflective regulatory sign board of size 900 mm dia metre made out of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated lens type retro -reflective sheeting as approved by Engineer-in-charge . Letter, symbols, borders etc. will be as per IRC - 67with required colour scheme on the boards and with the high intensity grade A. The aluminium sheet to be riveted to M.S. frame of angle iron of size 40x40x4 mm. The boards will be fixed to 1 No. 50x50 mm square post made of M.S. angle 50x50x4 mm, 4 m long welded to the frame with adequate anti-theft arrangement .Sheet work to be painted with two or more coats of synthetic enamel paint over an under coat (primer) and backside of aluminium sheet to be painted with two or more coats of epoxy paint including appropriate priming coat complete in all respects as per direction of Engineer-in-charge.	Each	9077.50	Rupees Nine Thousand Seventy Seven and Fifty Paise Only	
273	Providing and applying 2.5 mm thick road marking strips (retro- reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications.	One Square Metre	832.46	Rupees Eight Hundred Thirty Two and Forty Five Paise Only	
274	Providing, laying and making kerb channel 30 cm wide and 50 mm thick with cement concrete 1:3:6 (1 cement: 3 coarse sand:6 graded stone aggregate 20 mm nominal size) over 75 mm bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth etc. complete and as per direction of Engineer-in-charge.	One Square Metre	621.51	Rupees Six Hundred Twenty One and Fifty Paise Only	
275	Providing and fixing post delineators made of ABS round body fitted with 2 nos 100 mm dia high reflective reflectors and mounted on MS pipe of 65 mm dia duly powder coated anti-rust and anti theft steel to be installed as per direction of Engineer-in-charge.	Each	1006.56	Rupees One Thousand Six and Fifty Six Paise Only	

276	Providing and fixing Hylan sheet for various partition doors at New Ad. Block as per the direction of the Engineer-in-charge.	One Square Metre	1239.85	Rupees One Thousand Two Hundred Thirty Nine and Eighty Four Paise Only	
277	Providing and fixing Sun film on the existing windows/ doors of the New. Ad. Block building as per the direction of the Engineer-in-charge.	One Square Metre	832.09	Rupees Eight Hundred Thirty Two and Nine Paise Only	
278	Brick work with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in foundation and basement in Cement Mortar 1:4 using retrieved Bricks.	One Cubic Metre	8205.08	Rupees Eight Thousand Two Hundred Five and Eight Paise Only	
279	Providing roofing with FRP roofing sheets 3mm thick approved quality with GI J or L hooks and nuts 8mm dia, with bitumen and GI washers etc. as per the direction of Engineer-in-charge.	One Square Metre	1106.98	Rupees One Thousand One Hundred Six and Ninety Seven Paise Only	
280	Providing two component EPOXY Putty Sealant (M Seal) on the bolt heads/ holes of cladding AC sheet to make it water tight to all heights.	Each	24.49	Rupees Twenty Four and Forty Nine Paise Only	
281	Sypply and fixing new MS Laths and Lock rails of 2.50m wide opening after taking out the damaged MS Laths and lock rail of existing rolling shutter fixed at the Indoor Stadium including servicing and overhauling.	Each	11143.23	Rupees Eleven Thousand One Hundred Forty Three and Twenty Three Paise Only	
282	Providing NL brand Zebra Blinds Powder coated Aluminium pelvert frame and Nylon fabric at Chairman's chamber as per the direction of the Engineer-in-charge	One Square Metre	2071.15	Rupees Two Thousand Seventy One and Fourteen Paise Only	
283	Providing floor painting with required colour floor guard paint of approved brand and manufacturer one or more coats including cost of all material, labour, tools, equipments etc. complete as directed by the Engineer-in-charge	One Square Metre	462.30	Rupees Four Hundred Sixty Two and Twenty Nine Paise Only	

284	Providing Asbestose Cement 6mm thick corrugated sheets (as per IS:14871) roofing upto any pitch and fixing with polymer coated J or L hooks, bolts and nuts 8mm dia. GI plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete (excluding the cost of purlins, rafters and trusses) including cutting sheets kept at Ernakulam Wharf supplied departmentally at free of cost.	One Square Metre	197.77	Rupees One Hundred Ninety Seven and Seventy Seven Paise Only	
285	Replacing the damaged 2" Float valve with new 2" brass float valve and fittings of approved quality to the U.G tank inlet line.	Each	4928.74	Rupees Four Thousand Nine Hundred Twenty Eight and Seventy Three Paise Only	
286	Supplying, laying, compacting ready mixed bituminous compound for pot hole filling of roads at CFH area.	One bag	1915.73	Rupees One Thousand Nine Hundred Fifteen and Seventy Two Paise Only	
287	Designing, making, supplying and providing boards of following sizes with 5mm thickness foam board, UV Printing etc. as directed by the Engineer in charge. 1) 5 Nos. 24" x 12" 2) 1 No. 48" x 18" 3) 3 Nos. 24" x 12" (Double side pasting)	LS	6649.20	Rupees Six Thousand Six Hundred Forty Nine and Twenty Paise Only	
288	Dismantling of Cubicles from Traffic Operations office near Q9 area and making work stations using the dismantled materials and transporting and re fixing the work stations at Ernakulam Wharf Superintendent Office as per the direction of Engineer in charge.	Each	6367.56	Rupees Six Thousand Three Hundred Sixty Seven and Fifty Six Paise Only	
289	Providing and fixing GI Chain link fabric fencing of required width in mesh size 50x50mm including strengthening with 2mm dia. wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. Made of GI Wire of dia. 4mm.	One Square Metre	1133.03	Rupees One Thousand One Hundred Thirty Three and Two Paise Only	
290	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-in-charge complete in all respect SBR Polymer (@10% of cement weight) modified cementitious bonding coat @ 2.2Kg Cement per sqm of surface area mixed with specified proportion of approved polymer.	One Square Metre	157.19	Rupees One Hundred Fifty Seven and Eighteen Paise Only	

291	Wall painting with premium acrylic emulsion paint of interior grade, having VOC 9Volatile Organic Compound) content less than 50grams/litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour, Two Coats.	One Square Metre	158.97	Rupees One Hundred Fifty Eight and Ninety Six Paise Only	
292	Painting with Oil Type wood preservative of approved brand and manufacture Old Work (One or more coats)	One Square Metre	45.86	Rupees Forty Five and Eighty Six Paise Only	
293	Providing and fixing floor mounted, white vitreous china single piece, double traps symphonic water closet of approved brand / make, shape, size and pattern including integrated white vitreous china cistern of capacity 10 Litres with dual flashing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts & gasket etc., including making connection with the existing P/S trap. complete in all respect as per direction of Engineer-in-charge.	Each	20274.78	Rupees Twenty Thousand Two Hundred Seventy Four and Seventy Eight Paise Only	
294	Repairs to the various parts of Executive revolving Chairs including replacement of damaged parts of Godrej or equivalent make including service charges.				
A	Arm Rest	Each	1653.12	Rupees One Thousand Six Hundred Fifty Three and Eleven Paise Only	
B	Seat	Each	2387.84	Rupees Two Thousand Three Hundred Eighty Seven and Eighty Three Paise Only	
C	Wheel	Each	183.68	Rupees One Hundred Eighty Three and Sixty Seven Paise Only	
D	Gas Spring	Each	1530.66	Rupees One Thousand Five Hundred Thirty and Sixty Six Paise Only	
E	Mechanism	Each	2020.48	Rupees Two Thousand Twenty and Forty Seven Paise Only	

295	Fabrication supplying and fixing 200mm Clamp for ferule point for taking connection from 200mm/ 150mm dia DI Pipe.	Each	2449.06	Rupees Two Thousand Four Hundred Forty Nine and Six Paise Only	
296	Providing and fixing Gun Metal gate valve with CI Wheel of approved quality. Above 65mm dia.	Each	2899.41	Rupees Two Thousand Eight Hundred Ninety Nine and Forty One Paise Only	
297	Providing and laying flanged C.I. standard specials such as tees, bends, collars, apers, caps etc., suitable for flanged jointing as per IS: 1538. Up to 300 mm dia. 12" to 8" Reducing TEE & 8" TEE.	Qtl	9922.21	Rupees Nine Thousand Nine Hundred Twenty Two and Twenty Paise Only	
298	Supplying flanged C.I. standard bends suitable for flanged jointing as per IS: 1538. Up to 300 mm dia. 8" Bend	Qtl	9605.44	Rupees Nine Thousand Six Hundred Five and Forty Four Paise Only	
299	Providing and laying in position machine batched and machine mixed design mix M-30 grade cement concrete for concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering,	One Cubic Metre	10748.82	Rupees Ten Thousand Seven Hundred Forty Eight and Eighty Two Paise Only	
300	Repairing and waterproofing the UG water tank of size 2.20 x 1.00 x 2.00M including all labour, materials, equipments and supervision charges for chipping and removing existing plastering by manually or mechanically. Plaster the surface using polymer modified mortar added with latex. Apply two coats of food grade Epoxy waterproof coating. Smart care APCOREP Food Grade Epoxy of ASIAN, MYK or equivalent. All complete as per the directions of the Engineer in Charge.	Each	41634.05	Rupees Forty One Thousand Six Hundred Thirty Four and Five Paise Only	
301	Providing and laying damp proof course 40mm thick with cement concrete 1:2:4 (1 Cement: 2 Course Sand (Zone-III): 4 Graded stone aggregate 12.50mm nominal size)	One Square Metre	457.36	Rupees Four Hundred Fifty Seven and Thirty Six Paise Only	
302	Supplying and providing 4 "New G I fresh water Pipe line as per the direction of the Engineer in charge.	One Metre	2567.16	Rupees Two Thousand Five Hundred Sixty Seven and Fifteen Paise Only	

303	Supplying and fixing 5.8 grade fully treaded GI anchor rod M12x120mm up to a minimum chemical anchoring of 90mm in concrete with Hilti HY 170 or approved equivalent chemical including cost of of all labour, materials, consumables, plants, power and application cost etc. complete	Each	251.03	Rupees Two Hundred Fifty One and Two Paise Only	
304	Shear Connector: Drilling suitable holes in reinforced or plain cement concrete with power driven drill machine to a minimum depth of 100mm up to 200mm in RC beams, columns to introduce steel bars-hear key, cleaning the drilled holes of loose dust by blowing, insertion of anchoring chemical from cartridges(the anchoring chemical shall be mixed as per manufacturer' s specification placingthe shear key bar at every 500mm c/c on the surfaces of the column in position and allowing it to stay undisturbed for 24 hours all complete as per direction of Engineer-in-Charge. Rate quoted shall be inclusive of cost & conveyance of all materials, labour, T&P for power drilling in concrete, anchoring chemical cartridges, plastic nozzle, etc. complete	One Kilogram	1744.96	Rupees One Thousand Seven Hundred Forty Four and Ninety Five Paise Only	
305	Supplying and applying Epoxy Resin based concrete bonding agent (a solvent free epoxy resin, which is supplied as a two-pack component in pre- weighed quantities for ready mix and use condition) for bonding between old & new concrete including cost of all labour, bonding agent, tools, equipments etc. complete	One Kilogram	1102.08	Rupees One Thousand One Hundred Two and Seven Paise Only	
306	Providing and fixing sliding / fixed door by using 12 mm thick marine plywood (Over wooden frame work to be paid a separate item above) Marine plywood conforming to IS: 710.	One Square Metre	2455.37	Rupees Two Thousand Four Hundred Fifty Five and Thirty Six Paise Only	
307	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality. 1.0 mm thick	One Square Metre	998.88	Rupees Nine Hundred Ninety Eight and Eighty Eight Paise Only	
308	Supplying & fixing channel over the sliding door & lock with locking arrangements including all labour and Materials.	One Number	6383.48	Rupees Six Thousand Three Hundred Eighty Three and Forty Eight Paise Only	
309	Providing and fixing Welded mesh mesh of size 50x50mm and 3.50mm including cost of all materials, labour, consumables etc.	One Square Metre	486.44	Rupees Four Hundred Eighty Six and Forty Four Paise Only	

310	Providing 3 mm form board with UV print of size 20"x6" as directed by the Engineer-in-charge	Each	1087.87	Rupees One Thousand Eighty Seven and Eighty Seven Paise Only	
311	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge	One Square Metre	194.26	Rupees One Hundred Ninety Four and Twenty Five Paise Only	
312	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	One Square Metre	173.72	Rupees One Hundred Seventy Three and Seventy One Paise Only	
313	Supplying and fixing approved good quality & brand Zebra blinds including all materials, labour, transporting charges etc complete.	One Square Metre	1184.08	Rupees One Thousand One Hundred Eighty Four and Eight Paise Only	
314	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	One Kilogram	148.84	Rupees One Hundred Forty Eight and Eighty Three Paise Only	
315	Providing and fixing Aluminium Chequered plate, 3mm thick over the wooden battens of jetties including cost of all labour, materials, tools etc. complete as per the direction of Engineer-in-charge.	One Square Metre	2764.99	Rupees Two Thousand Seven Hundred Sixty Four and Ninety Nine Paise Only	
316	Providing and fixing Sun film on the existing windows having visible light transmittance is 18% and total solar Energy rejection is 78% including cost of all labour, materials, tools etc. complete as per the direction of Engineer-in-charge.	One Square Metre	1119.96	Rupees One Thousand One Hundred Nineteen and Ninety Five Paise Only	
317	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, cost of all labour, materials, tools etc. complete as per the direction of Engineer-in-charge.etc. complete.	One Square Metre	269.12	Rupees Two Hundred Sixty Nine and Eleven Paise Only	
318	Supplying good quality Mexican Grass including loading, unloading and transportation as per the directions of the Engineer-in-Charge.	One Square Metre	239.56	Rupees Two Hundred Thirty Nine and Fifty Six Paise Only	

319	Supplying good quality Pearl Grass including loading, unloading and transportation as per the directions of the Engineer-in-Charge.	One Square Metre	299.45	Rupees Two Hundred Ninety Nine and Forty Five Paise Only	
320	Supplying Cocopeat Blocks of 5 kg including loading, inloading and transportation as per the directions of the Engineer-in-Charge.	1 Bag	222.64	Rupees Two Hundred Twenty Two and Sixty Four Paise Only	
321	Supplying insectide (Regent) for pest control including loading, unloading and transportation as per the directions of the Engineer-in-Charge.	One Kilogram	471.44	Rupees Four Hundred Seventy One and Forty Four Paise Only	
322	Supplying Vermi Compost including loading, unloading and transportation as per the directions of the Engineer-in-Charge.	One Kilogram	35.62	Rupees Thirty Five and Sixty Two Paise Only	
323	Providing and laying Vittrified tiles in floor with tiles of sizes 600mm x 600mm supplied by the department at free of cost (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622 , of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).	One Square Metre	1920.68	Rupees One Thousand Nine Hundred Twenty and Sixty Seven Paise Only	
324	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Gutter (600 mm over all girth)	One Square Metre	1462.42	Rupees One Thousand Four Hundred Sixty Two and Forty Two Paise Only	

325	Providing seven layer water proofing Coating with 15 GSM Fiber Glass Mesh over concrete roof after making the surface free from dirt, dust, algae, fungi & other contaminants by using suitable tools&equipemenet. 1. First Coating: Apply a single coat of modified styrene butadiene emulsion (bonding agent) 2._Second_Coating: Fix fiber glass mesh above the first coating in wet condition. 3.Third_Coating; Apply one coat of single component acrylic based polymer for cement based waterproof composite coating membrane. 4.Fourth_Coating: Apply a single coat of primer for enhanced bonding. 5.Fifth_&_sixth_coating: apply Two coats of high build fibre reinforced acrylic based modified polyurethane-Elastomeric solar reflective cum water poofing coating by roller or brush on the primed surface. 6.Seventh_Coating: Single coat of acrylic slip resistance surface coating, sealer and hardner(transparent water repellent coating). Ther rate for waterproofing work shall include chemicals, manpower, tools and supervision. Re-plastering if any required will be paid extra.	One Square Metre	857.17	Rupees Eight Hundred Fifty Seven and Seventeen Paise Only	
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326	Providing seven layer water proofing Coating with 15 GSM Fiber Glass Mesh over concrete roof after making the surface free from dirt, dust, algae, fungi & other contaminants by using suitable tools&equipemenet. 1. First Coating: Apply a single coat of modified styrene butadiene emulsion (bonding agent) 2. _Second_Coating: Fix fiber glass mesh above the first coating in wet condition. 3.Third_Coating; Apply one coat of single component acrylic based polymer for cement based waterproof composite coating membrane. 4.Fourth_Coating: Apply a single coat of primer for enhanced bonding. 5.Fifth_&_sixth_coating: apply Two coats of high build fibre reinforced acrylic based modified polyurethane-Elastomeric solar reflective cum water pooofing coating by roller or brush on the primed surface. 6.Seventh_Coating: Single coat of acrylic slip resistance surface coating, sealer and hardner(transparent water repellent coating). Ther rate for waterproofing work shall include chemicals, manpower, tools and supervision. Re-plastering if any required will be paid extra.	One Square Metre	857.17	Rupees Eight Hundred Fifty Seven and Seventeen Paise Only	
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327	Providing and laying in situ seven course water proofing treatment with APP (Atactic poly-propylene) modified Polymeric memberane over roof consisting of first coat of bitumen primer @ 0.40 litre per sqm, 2nd, 4th & 6th courses of bonding material @ 1.20 Kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 1.5 mm thick of 2.25 Kg/sqm weight consisting of five layers prefabricated with centre core as 20 micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20 micron HMHDPE film. 7th, the top most layer shall be finished with brick tiles of class designation 10 grouted with cement mortar 1:3 (1cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat (item of laying brick tiles shall be paid for separately).	One Square Metre	813.26	Rupees Eight Hundred Thirteen and Twenty Five Paise Only	
328	Providing and laying in situ five course water proofing treatment with APP (Atactic Polypropylene) modified Polymeric memberane over roof consisting of first coat of bitumen primer @ 0.40 litre per sqm, 2nd & 4th courses of bonding material @ 1.20 kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd layer of roofing membrane APP modified Polymeric membrane 2.0 mm thick of 3.00 Kg/sqm weight consisting of five layers prefabricated with centre core as 100 micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20 micron HMHDPE film. 5th, the top most layer shall be finished with brick tiles of class designation 10 grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat (item of laying brick tiles shall be paid for separately).	One Square Metre	592.28	Rupees Five Hundred Ninety Two and Twenty Eight Paise Only	

329	Providing and laying in situ seven course water proofing treatment with APP (Atactic Polypropylene) modified Polymeric memberane over roof consisting of first coat of bitumen primer @ 0.40 litre per sqm, 2nd, 4th & 6th courses of bonding material @ 1.20 kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS : 702, 3rd and 5th layers of roofing membrane APP modified Polymeric membrane 2.0 mm thick of 3.00 Kg/sqm weight consisting of five layers prefabricated with centre core as 100 micron HMHDPE film sandwiched on both sides with polymeric mix and the polymeric mix is protected on both side with 20 micron HMHDPE film. 7th, the top most layer shall be finished with brick tiles of class designation 10 grouted with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% integral water proofing compound by weight of cement over a 12 mm layer of cement mortar 1:3 (1 cement : 3 fine sand) and finished neat (item of laying brick tiles shall be paid for separately).		952.57	Rupees Nine Hundred Fifty Two and Fifty Seven Paise Only	
	PART-C ROAD WORK- [Rs.15 Lakhs]				
1	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 mechanical mix plant, carriage of mixed material by tipper to site, for all leads & lifts, laying in uniform layers with mechanical paver finisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.	One cubic metre	3244.23	Rupees Three Thousand Two Hundred Forty Four and Twenty Two Paise Only	
2	Providing 200 mm thick rubble soling including blinding with sand, rolling, finishing etc., including cost of all labour, materials etc. complete as per detailed specification and directions of Engineer - in - charge.	one square metre	568.18	Rupees Five Hundred Sixty Eight and Eighteen Paise Only	

3	Providing Bitumen premix in 80mm layers for filling pot holes, easening the undulations etc. to the required level and camber, hire charges of tools etc.	One cubic metre	7725.34	Rupees Seven Thousand Seven Hundred Twenty Five and Thirty Four Paise Only	
4	Providing Bitumen premix in 50mm layers for filling pot holes, easening the undulations etc. to the required level and camber, hire charges of tools etc.	One cubic metre	7725.34	Rupees Seven Thousand Seven Hundred Twenty Five and Thirty Four Paise Only	
5	Providing bottom layer of built- up- spray grout for raising the existing road level / filling up the undulations and making up the surface to the required level and camber etc. using 40 mm graded metal. Bitumen for coating the metal surface is 30 kg/m ³ . Necessary provision has been made for the hire charges of wheel barrows, lighting, watching and other sundry expenses etc.	One Cubic Metre	5839.40	Rupees Five Thousand Eight Hundred Thirty Nine and Thirty Nine Paise Only	
6	Providing top layer of built- up- spray grout for raising the existing road level / filling up the undulations and making up the surface to the required level and camber etc. using 40 mm graded metal/ 20 mm graded metal. Quantity of 20 mm graded metal is 0.26 m ³ /m ³ . Bitumen for coating the metal surface is 30 kg/m ³ . Necessary provision has been made for the hire charges of wheel barrows, lighting, watching and other sundry expenses etc.	One Cubic Metre	6433.00	Rupees Six Thousand Four Hundred Thirty Two and Ninety Nine Paise Only	
7	Providing close graded premix surfacing 25 mm thick using materials 12 mm metal, 6 mm metal, Crusher run screening and bitumen as per detailed specification and direction of Engineer in charge.	One square metre	364.63	Rupees Three Hundred Sixty Four and Sixty Three Paise Only	
8	Sectioning and forming the sides of roads and spreading gravel 50mm thick well watered and rolled with 3T hand roller after spreading 12mm thick crusher run screening on top.	One square metre	139.21	Rupees One Hundred Thirty Nine and Twenty Paise Only	

9	Providing and applying tack coat using hot straight run bitumen of grade VG - 30, including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications & direction of Engineer-in-charge.				
A	On W.B.M. @ 0.75 Kg / sqm	One square metre	67.35	Rupees Sixty Seven and Thirty Four Paise Only	
B	On bituminous surface @ 0.50 Kg / sqm	One square metre	53.66	Rupees Fifty Three and Sixty Five Paise Only	
10	Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributor including preparing the surface & cleaning with mechanical broom. With medium setting bitumen emulsion as per directions of Engineer-in-Charge.				
A	On W.B.M / W.M.M. @ 0.4kg/sqm	One square metre	23.60	Rupees Twenty Three and Sixty Paise Only	
B	On bituminous surface @ 0.25kg/sqm	One square metre	15.64	Rupees Fifteen and Sixty Four Paise Only	
11	Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributor including preparing the surface & cleaning with mechanical broom. With rapid setting bitumen emulsion as per directions of Engineer-in-Charge.				
A	On W.B.M / W.M.M. @ 0.4kg/sqm	One square metre	14.97	Rupees Fourteen and Ninety Seven Paise Only	
B	On bituminous surface @ 0.25kg/sqm	One square metre	10.24	Rupees Ten and Twenty Four Paise Only	

12	2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm and 52 kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively, including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately). With paving Asphalt grade VG - 30 with no solvent.	One square mere	328.34	Rupees Three Hundred Twenty Eight and Thirty Four Paise Only	
13	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG - 30 and blinding surface with 0.90 cum of stone aggregate of 6.7 mm size (Passing 11.2 mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface, including rolling and finishing with power road roller all complete.	One square mere	145.66	Rupees One Hundred Forty Five and Sixty Six Paise Only	
14	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 equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specifications and directions of Engineer-in-Charge. 50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 3.50% (percentage by weight of total mix) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.	One Cubic Metre	9468.57	Rupees Nine Thousand Four Hundred Sixty Eight and Fifty Seven Paise Only	
15	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 equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specifications and directions of Engineer-in-Charge. 50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 3.50% (percentage by weight of total mix) prepared in Drum Type Hot Mix Plant of 60-90 TPH capacity.	One Cubic Metre	9365.44	Rupees Nine Thousand Three Hundred Sixty Five and Forty Three Paise Only	

16	Providing and laying semi- dense Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in-Charge. 25 mm compacted thickness with bitumen of grade VG-30 @ 5% (percentage by weight of total mix) and lime filler @ 2% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.	One Square metre	309.14	Rupees Three Hundred Nine and Thirteen Paise Only	
17	Providing and laying semi- dense Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in-Charge. 25 mm compacted thickness with bitumen of grade VG-30 @ 5% (percentage by weight of total mix) and lime filler @ 2% (percentage by weight of Aggregate) prepared in Drum Type Hot Mix Plant of 60-90 TPH capacity.	One Square metre	306.47	Rupees Three Hundred Six and Forty Six Paise Only	
18	Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per MoRTH specification, complete and as per directions of Engineer-in-Charge. 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.	One Cubic Metre	13499.01	Rupees Thirteen Thousand Four Hundred Ninety Nine Only	

19	Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per MoRTH specification, complete and as per direction of Engineer-in-Charge. 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) and waste plastic additive @ 8% (percentage by weight of bitumen) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.	One Cubic Metre	14147.51	Rupees Fourteen Thousand One Hundred Forty Seven and Fifty Paise Only	
20	Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per MoRTH specification, complete and as per direction of Engineer-in-Charge. 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 drum Type Hot Mix Plant of 60-90 TPH capacity.	One Square metre	13388.35	Rupees Thirteen Thousand Three Hundred Eighty Eight and Thirty Five Paise Only	

21	Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per MoRTH specification, complete and as per direction of Engineer-in-Charge. 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) and waste plastic additive @ 8% (percentage by weight of bitumen) prepared in drum Type Hot Mix Plant of 60-90 TPH capacity.	One Square metre	14036.80	Rupees Fourteen Thousand Thirty Six and Seventy Nine Paise Only	
22	Supplying and stacking ready mixed bituminous compound for pot hole filling in bags 25 Kg, STP or equivalent make.	One Kilogram	50.82	Rupees Fifty and Eighty One Paise Only	
23	Providing and laying factory made 100mm thick Cement Concrete paver blocks (M-40 grade) thickness & size / made by table vibratory method, to attain superior smooth finish using PU or equivalent moulds, laid in required colour & pattern over 50mm thick compacted bed of 6mm coarse aggregate, compacting and proper embedding / laying of inter locking paver blocks into the 6mm coarse aggregate bedding layer through vibratory compaction by using plate vibrator, filling the joints with crusher sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand in drive ways or light traffic parking etc. all complete as per manufacturer's specifications & direction of Engineer -in-Charge:	One Square Metre	1215.07	Rupees One Thousand Two Hundred Fifteen and Six Paise Only	
24	Providing and applying tack coat using bitumen emulsion conforming to IS: 8887, using emulsion pressure distributor including preparing the surface & cleaning with mechanical broom on bituminous surface @ 0.25kg/sqm	One Square Metre	10.24	Rupees Ten and Twenty Four Paise Only	

25	Providing and laying Dense Graded Bituminous Macadam using crushed stone aggregates of specified grading, remixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers as per specifications to achieve the desired compaction and density, complete as per specifications and directions of Engineer-in-Charge 50 to 100 mm average compacted thickness with bitumen of grade VG-30 @ 3.50% (percentage by weight of total mix) and lime filler @3% (percentage by weight of Aggregate) and waste plastic additive 8% (percentage by weight of bitumen) prepared in Drum Type Hot Mix Plant of 60-90 TPH	One Cubic Metre	12281.16	Rupees Twelve Thousand Two Hundred Eighty One and Fifteen Paise Only	
26	Providing and fixing Retro reflective No Parking sign boards of 900mm dia. and support length 3750 mm using angle post as per specifications and direction Engineer-in-charge.	Each	7996.58	Rupees Seven Thousand Nine Hundred Ninety Six and Fifty Seven Paise Only	
	PART-D-Supply of Materials [Rs.10 Lakhs]				
1	Supplying and stacking good quality granite metal				
A	6mm	One cubic metre	1586.32	Rupees One Thousand Five Hundred Eighty Six and Thirty Two Paise Only	
B	10mm	One cubic metre	1558.49	Rupees One Thousand Five Hundred Fifty Eight and Forty Nine Paise Only	
C	12.5mm	One cubic metre	1558.49	Rupees One Thousand Five Hundred Fifty Eight and Forty Nine Paise Only	
D	20mm	One cubic metre	1586.32	Rupees One Thousand Five Hundred Eighty Six and Thirty Two Paise Only	
E	25mm	One cubic metre	1558.49	Rupees One Thousand Five Hundred Fifty Eight and Forty Nine Paise Only	
F	40mm	One cubic metre	1558.49	Rupees One Thousand Five Hundred Fifty Eight and Forty Nine Paise Only	
G	50mm	One cubic metre	1224.53	Rupees One Thousand Two Hundred Twenty Four and Fifty Three Paise Only	

H	63mm	One cubic metre	1224.53	Rupees One Thousand Two Hundred Twenty Four and Fifty Three Paise Only	
2	Supplying and stacking good quality Crusher Run Screening	One cubic metre	1781.14	Rupees One Thousand Seven Hundred Eighty One and Thirteen Paise Only	
3	Supplying and stacking good quality Quarry dust	One cubic metre	2115.10	Rupees Two Thousand One Hundred Fifteen and Nine Paise Only	
4	Supplying and stacking good quality cut gravel.	One cubic metre	1113.21	Rupees One Thousand One Hundred Thirteen and Twenty One Paise Only	
5	Supplying Common burnt clay F.P.S. (non modular) bricks class designation 7.5	One number	5.25	Rupees Five and Twenty Five Paise Only	
6	Supplying and stacking good quality solid block of size 300x150mmx200mm M15 grade 20mm metal	One number	47.87	Rupees Forty Seven and Eighty Six Paise Only	
7	Supplying and stacking good quality solid block of size 300x100mmx200mm M15 grade 20mm metal	One number	36.74	Rupees Thirty Six and Seventy Three Paise Only	
8	Supplying at Site good approved quality AC pipe of 300mm dia	One Metre	9796.25	Rupees Nine Thousand Seven Hundred Ninety Six and Twenty Four Paise Only	
9	Supplying at site good approved quality AC pipe of 200mm dia	One Metre	6245.11	Rupees Six Thousand Two Hundred Forty Five and Ten Paise Only	
10	Supplying at site good approved quality AC pipe of 150mmdia	One Metre	3183.78	Rupees Three Thousand One Hundred Eighty Three and Seventy Eight Paise Only	
11	Supplying at site good approved quality AC pipe of 100mmdia	One Metre	2081.70	Rupees Two Thousand Eighty One and Seventy Paise Only	
12	Supplying at site good approved quality HDPE pipe of 200mmdia	One Metre	3306.23	Rupees Three Thousand Three Hundred Six and Twenty Three Paise Only	
13	Supplying at site good approved quality HDPE pipe of 150mmdia	One Metre	2449.06	Rupees Two Thousand Four Hundred Forty Nine and Six Paise Only	
14	Supplying troughed galvalume sheet 0.50mm thick for roofing	One Square Metre	636.76	Rupees Six Hundred Thirty Six and Seventy Five Paise Only	
	PART-E Supply of Labourers[Rs.50 Lakhs]				
1	Skilled labourers Mason, Fitter, Welder, Aluminium Fabricator, Tiler, Carpenter etc- for 8hrs per day.	Each worker	998.55	Rupees Nine Hundred Ninety Eight and Fifty Four Paise Only	

2	Unskilled labourers- Mazdoor- for 8 hrs per day.	Each worker	819.32	Rupees Eight Hundred Nineteen and Thirty Two Paise Only	
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BIDDERS QUOTING AREA					
		PART	Percentage in Figures	Percentage in words	Above/ Below
	Notes : 1.The quotationer shall quote either plus or minus sign (eg: +5 or -5) and in figures and words 2. Only two decimal digits shall be accepted 3.Bidders shall also quote Above/ Below in words themselves in the last column. 4.In case of discepancy in words and figures the quoted figure in word will prevail. 5. Bids Partially quoted will not be considered for evaluation ie, will be summarily rejected.	PART-A			
		PART-B			
		PART-C			
		PART-D			
		PART-E			
" This is a Electronic Submission No Need of Signature"					