

COCHIN PORT TRUST

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Tender No: T6/T-1933/2020-C Date:- 24-11-2020

Name of Work: Annual Civil maintenance Contract for the year 2021

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.15.00 Lakhs			
1	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	one square metre	8.70	Rupees Eight and Seventy 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	17.06	Rupees Seventeen and Six 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	33.09	Rupees Thirty Three and Nine 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	1224.80	Rupees One Thousand Two Hundred Twenty Four and Eighty 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	7395.00	Rupees Seven Thousand Three Hundred Ninety Five 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	4841.00	Rupees Four Thousand Eight Hundred Forty One 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	7.80	Rupees Seven and Eighty 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	1997.65	Rupees One Thousand Nine Hundred Ninety Seven and Sixty Five 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	2384.16	Rupees Two Thousand Three Hundred Eighty Four and Sixteen 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	2361.26	Rupees Two Thousand Three Hundred Sixty One and Twenty Six 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	1457.98	Rupees One Thousand Four Hundred Fifty Seven and Ninety Eight 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	203.86	Rupees Two Hundred Three and Eighty 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	165.67	Rupees One Hundred Sixty Five and Sixty Seven 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	77.33	Rupees Seventy Seven and Thirty Three 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	4547.21	Rupees Four Thousand Five Hundred Forty Seven and Twenty One Paise Only
b	Sectional area below 40 square centimetres	One metre	18.21	Rupees Eighteen and Twenty One 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	144.81	Rupees One Hundred Forty Four and Eighty One Paise Only
b	Area beyond 3 sq. metres	each	191.22	Rupees One Hundred Ninety One and Twenty Two 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	567.81	Rupees Five Hundred Sixty Seven and Eighty One 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	53.00	Rupees Fifty Three 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	212262.68	Rupees Two Lakh Twelve Thousand Two Hundred Sixty Two and Sixty Eight 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	3444.76	Rupees Three Thousand Four Hundred Forty Four and Seventy Six 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	57.08	Rupees Fifty Seven and Eight 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	125.78	Rupees One Hundred Twenty Five and Seventy Eight 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	247.14	Rupees Two Hundred Forty Seven and Fourteen 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	342.89	Rupees Three Hundred Forty Two and Eighty Nine 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	188.70	Rupees One Hundred Eighty Eight and Seventy 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	298.51	Rupees Two Hundred Ninety Eight and Fifty One 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	24.80	Rupees Twenty Four and Eighty 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	19.30	Rupees Nineteen and Thirty 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	323.40	Rupees Three Hundred Twenty Three and Forty 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	370.45	Rupees Three Hundred Seventy and Forty Five 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	289.30	Rupees Two Hundred Eighty Nine and Thirty 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	13.20	Rupees Thirteen and Twenty 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	2525.00	Rupees Two Thousand Five Hundred Twenty Five 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	6.90	Rupees Six and Ninety 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	1237.50	Rupees One Thousand Two Hundred Thirty Seven and Fifty 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	72.50	Rupees Seventy Two and Fifty 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	35.67	Rupees Thirty Five and Sixty Seven Paise Only
37	Dismantling Aluminium /Gypsm 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	57.08	Rupees Fifty Seven and Eight Paise Only

38	Dismantling eaves gutter , clamp and down pipes and disposing as per the directions of Engineer-in-Charge	One Metre	64.34	Rupees Sixty Four and Thirty Four 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	5.08	Rupees Five and 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	63.24	Rupees Sixty Three and Twenty Four 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	178.39	Rupees One Hundred Seventy Eight and Thirty Nine 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	128.95	Rupees One Hundred Twenty Eight and Ninety Five 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	606.43	Rupees Six Hundred Six and Forty Three Paise Only

	PART-B-Material & labour involved Miscellaneous work-Rs.55.00 Lakhs			
1	Providing & filling with quarry dust inside basement including consolidation as directed by the Engineer-in-Charge	One cubic metre	1975.80	Rupees One Thousand Nine Hundred Seventy Five and Eighty 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	3099.70	Rupees Three Thousand Ninety Nine and Seventy 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	226.80	Rupees Two Hundred Twenty Six and Eighty 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	9799.43	Rupees Nine Thousand Seven Hundred Ninety Nine and Forty Three Paise Only
b	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	One cubic metre	9225.98	Rupees Nine Thousand Two Hundred Twenty Five and Ninety Eight Paise Only
c	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	One cubic metre	8506.37	Rupees Eight Thousand Five Hundred Six and Thirty Seven Paise Only
d	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	One cubic metre	8325.82	Rupees Eight Thousand Three Hundred Twenty Five and Eighty Two Paise Only

e	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	One cubic metre	7868.30	Rupees Seven Thousand Eight Hundred Sixty Eight and Thirty Paise Only
5	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns	one square metre	387.12	Rupees Three Hundred Eighty Seven and Twelve 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	828.06	Rupees Eight Hundred Twenty Eight and Six 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	997.13	Rupees Nine Hundred Ninety Seven and Thirteen 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	11383.52	Rupees Eleven Thousand Three Hundred Eighty Three and Fifty Two 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	12199.35	Rupees Twelve Thousand One Hundred Ninety Nine and Thirty Five Paise Only
b	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	One cubic metre	11625.91	Rupees Eleven Thousand Six Hundred Twenty Five and Ninety One Paise Only
c	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	One cubic metre	10906.30	Rupees Ten Thousand Nine Hundred Six and Thirty 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	8318.41	Rupees Eight Thousand Three Hundred Eighteen and Forty One 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	5681.87	Rupees Five Thousand Six Hundred Eighty One and Eighty Seven 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	8665.58	Rupees Eight Thousand Six Hundred Sixty Five and Fifty Eight Paise Only
b	Cement mortar 1:6 (1 cement : 6 coarse sand)	one cubic metre	8368.22	Rupees Eight Thousand Three Hundred Sixty Eight and Twenty Two 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	10613.08	Rupees Ten Thousand Six Hundred Thirteen and Eight Paise Only
b	Cement mortar 1:6 (1 cement : 6 coarse sand)	one cubic metre	10315.73	Rupees Ten Thousand Three Hundred Fifteen and Seventy 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	19354.16	Rupees Nineteen Thousand Three Hundred Fifty Four and Sixteen Paise Only
b	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	one cubic metre	18780.68	Rupees Eighteen Thousand Seven Hundred Eighty and Sixty Eight Paise Only

c	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	one cubic metre	18061.10	Rupees Eighteen Thousand Sixty One and Ten 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	15419.74	Rupees Fifteen Thousand Four Hundred Nineteen and Seventy Four Paise Only
b	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	one cubic metre	15184.83	Rupees Fifteen Thousand One Hundred Eighty Four and Eighty Three Paise Only
c	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	one cubic metre	14824.95	Rupees Fourteen Thousand Eight Hundred Twenty Four and Ninety Five 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	143143.88	Rupees One Lakh Forty Three Thousand One Hundred Forty Three and Eighty Eight 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	3236.62	Rupees Three Thousand Two Hundred Thirty Six and Sixty Two Paise Only
b	30 mm thick shutters	One square metre	3001.64	Rupees Three Thousand One and Sixty Four 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		1649.65	Rupees One Thousand Six Hundred Forty Nine and Sixty Five Paise Only
b	4 mm thick glass pane (weight not less than 10 kg per sqm)		2436.15	Rupees Two Thousand Four Hundred Thirty Six and Fifteen Paise Only
c	5.0 mm thick glass panes (weight not less than 12.5 kg per sqm)		2876.95	Rupees Two Thousand Eight Hundred Seventy Six and Ninety Five 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	4001.15	Rupees Four Thousand One and Fifteen 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	1503.85	Rupees One Thousand Five Hundred Three and Eighty Five Paise Only
20	Providing and fixing ball bearing for rolling shutters.	Each	570.59	Rupees Five Hundred Seventy and Fifty Nine 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	576.17	Rupees Five Hundred Seventy Six and Seventeen 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	1422.78	Rupees One Thousand Four Hundred Twenty Two and Seventy Eight 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	1358.50	Rupees One Thousand Three Hundred Fifty Eight and Fifty 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	1361.08	Rupees One Thousand Three Hundred Sixty One and Eight 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	243.54	Rupees Two Hundred Forty Three and Fifty Four 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	968.66	Rupees Nine Hundred Sixty Eight and Sixty Six 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	532.27	Rupees Five Hundred Thirty Two and Twenty Seven Paise Only
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28	<p>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</p>	One square metre	3293.50	<p>Rupees Three Thousand Two Hundred Ninety Three and Fifty Paise Only</p>
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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	923.94	Rupees Nine Hundred Twenty Three and Ninety Four 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	4709.14	Rupees Four Thousand Seven Hundred Nine and Fourteen 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	11783.56	Rupees Eleven Thousand Seven Hundred Eighty Three and Fifty Six 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	10489.41	Rupees Ten Thousand Four Hundred Eighty Nine and Forty One Paise Only
b	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	One cubic metre	9916.03	Rupees Nine Thousand Nine Hundred Sixteen and Three 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	12647.23	Rupees Twelve Thousand Six Hundred Forty Seven and Twenty Three 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 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	One cubic metre	13269.39	Rupees Thirteen Thousand Two Hundred Sixty Nine and Thirty Nine 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 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	One cubic metre	12180.67	Rupees Twelve Thousand One Hundred Eighty and Sixty Seven 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 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	One cubic metre	13983.16	Rupees Thirteen Thousand Nine Hundred Eighty Three and Sixteen 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	387.12	Rupees Three Hundred Eighty Seven and Twelve Paise Only
b	Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	One square metre	828.06	Rupees Eight Hundred Twenty Eight and Six Paise Only
c	Suspended floors, roofs, landings, balconies and access platform	One square metre	941.88	Rupees Nine Hundred Forty One and Eighty Eight Paise Only
d	Shelves (Cast in situ)	One square metre	941.88	Rupees Nine Hundred Forty One and Eighty Eight Paise Only
e	Lintels, beams, plinth beams, girders, bressumers and cantilevers	One square metre	750.26	Rupees Seven Hundred Fifty and Twenty Six Paise Only

f	Columns, Pillars, Piers, Abutments, Posts and Struts	One square metre	997.13	Rupees Nine Hundred Ninety Seven and Thirteen Paise Only
g	Stairs, (excluding landings) except spiral-staircases	One square metre	845.80	Rupees Eight Hundred Forty Five and Eighty 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	387.12	Rupees Three Hundred Eighty Seven and Twelve 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	10868.65	Rupees Ten Thousand Eight Hundred Sixty Eight and Sixty Five 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	12776.13	Rupees Twelve Thousand Seven Hundred Seventy Six and Thirteen 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	10963.44	Rupees Ten Thousand Nine Hundred Sixty Three and Forty Four 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	12870.92	Rupees Twelve Thousand Eight Hundred Seventy and Ninety Two 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	15426.94	Rupees Fifteen Thousand Four Hundred Twenty Six and Ninety Four 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	23370.05	Rupees Twenty Three Thousand Three Hundred Seventy and Five 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 Mechanicllay Treated bars	One kilogram	113.48	Rupees One Hundred Thirteen and Forty Eight 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	113.48	Rupees One Hundred Thirteen and Forty Eight Paise Only
47	Add for using extra cement in the items of concrete mix over and above the specified cement content therein.	One quintel	915.04	Rupees Nine Hundred Fifteen and Four 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	1488.42	Rupees One Thousand Four Hundred Eighty Eight and Forty Two 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	1800.32	Rupees One Thousand Eight Hundred and Thirty Two Paise Only
50	Providing and fixing on wall face unplasticised 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	273.30	Rupees Two Hundred Seventy Three and Thirty Paise Only
b	110 mm diameter	One metre	414.58	Rupees Four Hundred Fourteen and Fifty Eight 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	1039.67	Rupees One Thousand Thirty Nine and Sixty Seven 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	911.10	Rupees Nine Hundred Eleven and Ten Paise 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	884.00	Rupees Eight Hundred Eighty Four 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	782.90	Rupees Seven Hundred Eighty Two and Ninety 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	656.00	Rupees Six Hundred Fifty Six 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	1082.20	Rupees One Thousand Eighty Two and Twenty 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	308.98	Rupees Three Hundred Eight and Ninety Eight 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	409.95	Rupees Four Hundred Nine and Ninety 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	375.30	Rupees Three Hundred Seventy Five and Thirty 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	516.03	Rupees Five Hundred Sixteen and Three 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	463.23	Rupees Four Hundred Sixty Three and Twenty Three 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	446.10	Rupees Four Hundred Forty Six and Ten 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	1.63	Rupees One and Sixty Three Paise Only
64	Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) : Flush/ Ruled pointing .	One square metre	387.87	Rupees Three Hundred Eighty Seven and Eighty Seven 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	677.28	Rupees Six Hundred Seventy Seven and Twenty Eight 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	1070.24	Rupees One Thousand Seventy and Twenty Four 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	1161.03	Rupees One Thousand One Hundred Sixty One and Three 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	677.28	Rupees Six Hundred Seventy Seven and Twenty Eight 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	1259.69	Rupees One Thousand Two Hundred Fifty Nine 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	1354.56	Rupees One Thousand Three Hundred Fifty Four and Fifty Six 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	1479.18	Rupees One Thousand Four Hundred Seventy Nine and Eighteen 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	1591.03	Rupees One Thousand Five Hundred Ninety One and Three 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	1722.99	Rupees One Thousand Seven Hundred Twenty Two and Ninety Nine Paise Only
b	Size of Tile 600x600 mm	One square metre	2039.31	Rupees Two Thousand Thirty Nine and Thirty One Paise Only
c	Size of Tile 800x800 mm	One square metre	2390.14	Rupees Two Thousand Three Hundred Ninety and Fourteen Paise Only
d	Size of Tile 1000x1000 mm	One square metre	3396.58	Rupees Three Thousand Three Hundred Ninety Six and Fifty Eight 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	1784.56	Rupees One Thousand Seven Hundred Eighty Four and Fifty Six 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	3461.95	Rupees Three Thousand Four Hundred Sixty One and Ninety Five 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	1400.22	Rupees One Thousand Four Hundred and Twenty Two 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	3461.95	Rupees Three Thousand Four Hundred Sixty One and Ninety Five 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	2040.26	Rupees Two Thousand Forty and Twenty Six Paise Only
b	Size of Tile 600x600 mm	One square metre	2356.58	Rupees Two Thousand Three Hundred Fifty Six and Fifty Eight Paise Only
c	Size of Tile 800x800 mm	One square metre	2711.22	Rupees Two Thousand Seven Hundred Eleven and Twenty Two Paise Only

d	Size of Tile 1000x1000 mm	One square metre	3717.65	Rupees Three Thousand Seven Hundred Seventeen and Sixty Five 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	500.13	Rupees Five Hundred and Thirteen 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	160.03	Rupees One Hundred Sixty and Three 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	208.54	Rupees Two Hundred Eight and Fifty Four 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	118.44	Rupees One Hundred Eighteen and Forty Four 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	68.77	Rupees Sixty Eight and Seventy Seven Paise Only

b	Two coats	One square metre	111.31	Rupees One Hundred Eleven and Thirty One Paise Only
	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.		#REF!	#VALUE!
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	97.58	Rupees Ninety Seven and Fifty Eight Paise Only
b	Two coats	One square metre	145.15	Rupees One Hundred Forty Five and Fifteen 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	81.54	Rupees Eighty One and Fifty Four 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	124.01	Rupees One Hundred Twenty Four and One 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	118.51	Rupees One Hundred Eighteen and Fifty One 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	80.66	Rupees Eighty and Sixty Six 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	223.83	Rupees Two Hundred Twenty Three and Eighty Three 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	135.77	Rupees One Hundred Thirty Five and Seventy Seven Paise Only
b	Old work (One or more coat applied @ 0.90 ltr/10 sqm).	One square metre	91.53	Rupees Ninety One and Fifty Three 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	77.53	Rupees Seventy Seven and Fifty Three Paise Only
93	Applying priming coat : With ready mixed aluminium primer of approved brand and manufacture on resinous wood and plywood	One square metre	78.21	Rupees Seventy Eight and Twenty One 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	68.90	Rupees Sixty Eight and Ninety 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	36.97	Rupees Thirty Six and Ninety Seven 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	187.55	Rupees One Hundred Eighty Seven and Fifty Five 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	165.19	Rupees One Hundred Sixty Five and Nineteen 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	152.55	Rupees One Hundred Fifty Two and Fifty Five 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	108.66	Rupees One Hundred Eight and Sixty Six 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	99.55	Rupees Ninety Nine and Fifty Five 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	96.42	Rupees Ninety Six and Forty Two 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	77.53	Rupees Seventy Seven and Fifty Three Paise Only
103	Applying priming coat with ready mixed aluminium primer of approved brand and manufacture on resinous wood and plywood	One square metre	78.21	Rupees Seventy Eight and Twenty One 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	68.90	Rupees Sixty Eight and Ninety 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	36.97	Rupees Thirty Six and Ninety Seven 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	68.36	Rupees Sixty Eight and Thirty Six 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	152.55	Rupees One Hundred Fifty Two and Fifty Five 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	99.55	Rupees Ninety Nine and Fifty Five Paise Only

109	Supplying and laying/ fixing 63mm dia. PVC pipe(class 2) buried/ above ground for drainage disposal	One metre	172.50	Rupees One Hundred Seventy Two and Fifty Paise Only
110	Supplying and laying/ fixing 110mm dia. PVC pipe(class 2) buried/ above ground for drainage disposal	One metre	338.80	Rupees Three Hundred Thirty Eight and Eighty Paise Only
111	Supplying and laying/ fixing 160mm dia. PVC pipe(class 2) buried/ above ground for drainage disposal	One metre	612.10	Rupees Six Hundred Twelve and Ten 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	7368.04	Rupees Seven Thousand Three Hundred Sixty Eight and Four 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	2094.35	Rupees Two Thousand Ninety Four and Thirty Five 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	3458.08	Rupees Three Thousand Four Hundred Fifty Eight and 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	6771.08	Rupees Six Thousand Seven Hundred Seventy One and Eight Paise Only
116	Providing and fixing white vitreous china pedestal type (European type/ wash down type) water closet pan.	Each	3094.47	Rupees Three Thousand Ninety Four and Forty Seven 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	6986.21	Rupees Six Thousand Nine Hundred Eighty Six and Twenty One 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 require :			
a	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	Each	3739.13	Rupees Three Thousand Seven Hundred Thirty Nine and Thirteen Paise Only

b	White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	Each	3411.76	Rupees Three Thousand Four Hundred Eleven and Seventy Six Paise Only
c	White Vitreous China Angle back wash basin size 400x 400 mm with single 15 mm C.P. brass pillar tap	Each	3739.13	Rupees Three Thousand Seven Hundred Thirty Nine and Thirteen Paise Only
d	White Vitreous China Flat back wash basin size 450x 300 mm with single 15 mm C.P. brass pillar tap	Each	2984.52	Rupees Two Thousand Nine Hundred Eighty Four and Fifty Two 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	70.80	Rupees Seventy and Eighty Paise Only
b	25 mm dia	One metre	79.00	Rupees Seventy Nine Only
c	32 mm dia	One metre	97.40	Rupees Ninety Seven and Forty Paise Only
d	40 mm dia	One metre	122.10	Rupees One Hundred Twenty Two and Ten Paise Only
e	50 mm dia	One metre	162.90	Rupees One Hundred Sixty Two and Ninety Paise Only
f	63 mm dia	One metre	224.90	Rupees Two Hundred Twenty Four and Ninety 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	328.28	Rupees Three Hundred Twenty Eight and Twenty Eight Paise Only
b	20mm Nominal outer dia pipes	One metre	417.16	Rupees Four Hundred Seventeen and Sixteen Paise Only
c	25mm Nominal outer dia pipes	One metre	501.76	Rupees Five Hundred One and Seventy Six Paise Only
d	32mm Nominal outer dia pipes	One metre	653.09	Rupees Six Hundred Fifty Three and Nine Paise Only
e	40mm Nominal outer dia pipes	One metre	881.47	Rupees Eight Hundred Eighty One and Forty Seven Paise Only
f	50mm Nominal outer dia pipes	One metre	1227.89	Rupees One Thousand Two Hundred Twenty Seven and Eighty Nine 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	556.73	Rupees Five Hundred Fifty Six and Seventy Three Paise Only
b	20mm Nominal outer dia pipes	One metre	649.82	Rupees Six Hundred Forty Nine and Eighty Two Paise Only
c	25mm Nominal outer dia pipes	One metre	763.71	Rupees Seven Hundred Sixty Three and Seventy One Paise Only
d	32mm Nominal outer dia pipes	One metre	922.99	Rupees Nine 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	275.68	Rupees Two Hundred Seventy Five and Sixty Eight Paise Only
b	20mm Nominal outer dia pipes	One metre	344.79	Rupees Three Hundred Forty Four and Seventy Nine Paise Only
c	25mm Nominal outer dia pipes	One metre	443.93	Rupees Four Hundred Forty Three and Ninety Three Paise Only

d	32mm Nominal outer dia pipes	One metre	562.23	Rupees Five Hundred Sixty Two and Twenty Three Paise Only
e	40mm Nominal outer dia pipes	One metre	729.46	Rupees Seven Hundred Twenty Nine and Forty Six Paise Only
f	50mm Nominal outer dia pipes	One metre	1076.88	Rupees One Thousand Seventy Six and Eighty Eight Paise Only
g	62.5mm Nominal inner dia pipes	One metre	2109.64	Rupees Two Thousand One Hundred Nine and Sixty Four Paise Only
h	75mm Nominal inner dia pipes	One metre	2671.67	Rupees Two Thousand Six Hundred Seventy One and Sixty Seven Paise Only
i	100mm Nominal inner dia pipes	One metre	3777.52	Rupees Three Thousand Seven Hundred Seventy Seven and Fifty Two Paise Only
j	150mm Nominal inner dia pipes	One metre	7912.13	Rupees Seven Thousand Nine Hundred Twelve and Thirteen 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	387.19	Rupees Three Hundred Eighty Seven and Nineteen Paise Only

b	20mm dia. Nominal bore	One metre	467.65	Rupees Four Hundred Sixty Seven and Sixty Five Paise Only
c	25mm dia. Nominal bore	One metre	595.26	Rupees Five Hundred Ninety Five and Twenty Six Paise Only
d	32mm dia. Nominal bore	One metre	719.88	Rupees Seven Hundred Nineteen and Eighty Eight Paise Only
e	40mm dia. Nominal bore	One metre	869.24	Rupees Eight Hundred Sixty Nine and Twenty Four Paise Only
f	50mm dia. Nominal bore	One metre	1069.22	Rupees One Thousand Sixty Nine and Twenty Two Paise Only
125	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c 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	608.31	Rupees Six Hundred Eight and Thirty One Paise Only
b	20mm dia. Nominal bore	One metre	671.50	Rupees Six Hundred Seventy One and Fifty Paise Only
c	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.			

d	15mm dia. Nominal bore	One metre	331.81	Rupees Three Hundred Thirty One and Eighty One Paise Only
e	20mm dia. Nominal bore	One metre	385.70	Rupees Three Hundred Eighty Five and Seventy Paise Only
f	25mm dia. Nominal bore	One metre	495.44	Rupees Four Hundred Ninety Five and Forty Four Paise Only
g	32mm dia. Nominal bore	One metre	577.18	Rupees Five Hundred Seventy Seven and Eighteen Paise Only
h	40mm dia. Nominal bore	One metre	656.62	Rupees Six Hundred Fifty Six and Sixty Two Paise Only
i	50mm dia. Nominal bore	One metre	768.20	Rupees Seven Hundred Sixty Eight and Twenty Paise Only
j	65mm dia. Nominal bore	One metre	973.07	Rupees Nine Hundred Seventy Three and Seven Paise Only
k	80mm dia. Nominal bore	One metre	1177.47	Rupees One Thousand One Hundred Seventy Seven and Forty Seven 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 40mm nominal bore	Each	915.25	Rupees Nine Hundred Fifteen and Twenty Five Paise Only
b	50 to 80mm nominal bore	Each	1947.16	Rupees One Thousand Nine Hundred Forty Seven and Sixteen 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	824.33	Rupees Eight Hundred Twenty Four and Thirty Three Paise Only
128	Providing and fixing 15mm dia. or nearest available size Chromium plated brass tap (Heavy Type) of weight not less than 400g		375.50	Rupees Three Hundred Seventy Five and Fifty 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	1687.93	Rupees One Thousand Six Hundred Eighty Seven and Ninety Three Paise Only
b	Rectangular shape 453x357 mm		152.55	Rupees One Hundred Fifty Two and Fifty Five Paise Only
c	Oval shape 450x350 mm (outer dimensions)	Each	1611.28	Rupees One Thousand Six Hundred Eleven and Twenty Eight Paise Only

d	Rectangular shape 1500x450 mm	Each	2427.99	Rupees Two Thousand Four Hundred Twenty Seven and Ninety Nine 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	754.74	Rupees Seven Hundred Fifty Four and Seventy Four 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	809.31	Rupees Eight Hundred Nine and Thirty One Paise Only
131	Providing and fixing brass bib cock of approved quality :			
a	15 mm nominal bore	Each	411.18	Rupees Four Hundred Eleven and Eighteen Paise Only
b	20 mm nominal bore	Each	443.66	Rupees Four Hundred Forty Three and Sixty Six 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	1802.43	Rupees One Thousand Eight Hundred Two and Forty Three Paise Only

133	Supplying and fixing PVC floor traps 110mm dia. with 50mm deep seal and 63/75mm outlet.	Each	200.00	Rupees Two Hundred Only
134	Supplying and fixing HDPE water tanks of SYNTEX or equivalent approved brands	One Ltr	8.00	Rupees Eight 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	127.27	Rupees One Hundred Twenty Seven and Twenty Seven 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	500.94	Rupees Five Hundred and Ninety Four Paise Only
137	Grouting the crevices of existing rough stone masonry with cement mortar 1:3, (1cement: 3 sand)	One square metre	497.80	Rupees Four Hundred Ninety Seven and Eighty 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	848.40	Rupees Eight Hundred Forty Eight and Forty 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	166.80	Rupees One Hundred Sixty Six and Eighty 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	111.10	Rupees One Hundred Eleven and Ten 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	3896.60	Rupees Three Thousand Eight Hundred Ninety Six and Sixty 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	1174.00	Rupees One Thousand One Hundred Seventy Four 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	8.10	Rupees Eight and Ten Paise Only

144	Providing and fixing plastic felt of approved make (plastifelt & roofing copound 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	31.00	Rupees Thirty One 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	190.10	Rupees One Hundred Ninety and Ten 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	10668.50	Rupees Ten Thousand Six Hundred Sixty Eight and Fifty 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	10668.50	Rupees Ten Thousand Six Hundred Sixty Eight and Fifty 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	8612.30	Rupees Eight Thousand Six Hundred Twelve and Thirty 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	6592.10	Rupees Six Thousand Five Hundred Ninety Two and Ten 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	10668.50	Rupees Ten Thousand Six Hundred Sixty Eight and Fifty 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	8612.30	Rupees Eight Thousand Six Hundred Twelve and Thirty 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	6592.10	Rupees Six Thousand Five Hundred Ninety Two and Ten 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	6592.10	Rupees Six Thousand Five Hundred Ninety Two and Ten 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	3266.50	Rupees Three Thousand Two Hundred Sixty Six and Fifty 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	3266.50	Rupees Three Thousand Two Hundred Sixty Six and Fifty 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	3410.80	Rupees Three Thousand Four Hundred Ten and Eighty 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	4409.40	Rupees Four Thousand Four Hundred Nine and Forty Paise Only
158	Arresting leakage of pipe line using MS clamps for 200mm dia. HDPE Pipes	One Point	3410.80	Rupees Three Thousand Four Hundred Ten and Eighty Paise Only

159	Arresting leakage of pipe line using MS clamps for 150mm dia. HDPE Pipes	One Point	3266.50	Rupees Three Thousand Two Hundred Sixty Six and Fifty Paise Only
160	Arresting leakage of pipe line using MS clamp for 100mm dia. HDPE Pipes	one point	3266.50	Rupees Three Thousand Two Hundred Sixty Six and Fifty Paise Only
161	Hire charges of Pump Set for de-watering	One day	500.00	Rupees Five Hundred 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	51.00	Rupees Fifty One 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	15.00	Rupees Fifteen 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	225.00	Rupees Two Hundred Twenty Five Only
165	Pointing with CM 1:3 for RR masonry work.	One Square Metre	201.26	Rupees Two Hundred One and Twenty Six 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	1680.00	Rupees One Thousand Six Hundred Eighty 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	2100.00	Rupees Two Thousand One Hundred 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	4900.00	Rupees Four Thousand Nine Hundred 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	6700.00	Rupees Six Thousand Seven Hundred 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	11500.00	Rupees Eleven Thousand Five Hundred 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	14600.00	Rupees Fourteen Thousand Six Hundred 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	169.70	Rupees One Hundred Sixty Nine and Seventy 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	173.40	Rupees One Hundred Seventy Three and Forty Paise Only
174	Providing and applying Superplast strips, Roofing compound (STP brand)etc. at Central valley gutter at CFS.	One Number	1426.10	Rupees One Thousand Four Hundred Twenty Six and Ten 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	187.90	Rupees One Hundred Eighty Seven and Ninety 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	50.00	Rupees Fifty Only
177	Providing Aluminium venetian blinds, horizontal 1" size.	One Square Metre	1440.00	Rupees One Thousand Four Hundred Forty Only
178	Cutting and removing coconut trees of various heights and disposing the debris as directed by the Engineer-in-Charge	Each	3000.00	Rupees Three Thousand 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	857.14	Rupees Eight Hundred Fifty Seven and Fourteen 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	25.89	Rupees Twenty Five and Eighty Nine 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	125.58	Rupees One Hundred Twenty Five and Fifty 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	96.00	Rupees Ninety Six 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	5970.00	Rupees Five Thousand Nine Hundred Seventy 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	52.00	Rupees Fifty Two 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	483.80	Rupees Four Hundred Eighty Three and Eighty 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	182.00	Rupees One Hundred Eighty Two Only
187	Providing curtain with polister and satine fabric cloth, fixed with powder coated Aluminium 'C' channel, clamp,hooks etc. complete.	One Square Metre	685.00	Rupees Six Hundred Eighty Five 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	2250.00	Rupees Two Thousand Two Hundred Fifty 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	195.40	Rupees One Hundred Ninety Five and Forty 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	8668.00	Rupees Eight Thousand Six Hundred Sixty Eight 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	8668.00	Rupees Eight Thousand Six Hundred Sixty Eight 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 x0.4 x 0.45 m including all materials and labour charges.	Each	8000.00	Rupees Eight Thousand 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	260.90	Rupees Two Hundred Sixty and Ninety 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	29631.70	Rupees Twenty Nine Thousand Six Hundred Thirty One and Seventy 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 strutted 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	16.31	Rupees Sixteen and Thirty One 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 vinyal sheeting and fixing in position with PCC 1:2:4 (0.30mx0.30mx0.40m), painting 2 coats of enamel paint over a cot of zink chromate primer etc complete. Caption: as required along with Port Logo .	Each	5000.00	Rupees Five Thousand 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 zink chromate primer etc complete. Caption: as required along with Port Logo .	Each	3700.00	Rupees Three Thousand Seven Hundred 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	2500.00	Rupees Two Thousand Five Hundred 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	152.00	Rupees One Hundred Fifty Two 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	209.00	Rupees Two Hundred Nine Only
201	Supplying and fixing high quality vinyl on all old signage boards of Cochin Port	One Square Metre	861.12	Rupees Eight Hundred Sixty One and Twelve 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	411.60	Rupees Four Hundred Eleven and Sixty Paise Only

203	Speed Breaker (Humps) : Providing 2.5 cum 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	3063.80	Rupees Three Thousand Sixty Three and Eighty 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	10000.00	Rupees Ten Thousand 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	7500.00	Rupees Seven Thousand Five Hundred 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	885.80	Rupees Eight Hundred Eighty Five and Eighty 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	517.25	Rupees Five Hundred Seventeen and Twenty Five Paise Only
b	Beyond 60 cm girth upto and including 120 cm girth	Each	2302.76	Rupees Two Thousand Three Hundred Two and Seventy Six Paise Only
c	Beyond 120 cm girth upto and including 240 cm girth	Each	10682.80	Rupees Ten Thousand Six Hundred Eighty Two and Eighty Paise Only
d	Above 240 cm girth	Each	21404.81	Rupees Twenty One Thousand Four Hundred Four and Eighty One Paise Only
208	Providing and fixing roofing with oraliu or equivalent coloured Aluminium sheet 0.56mm thick including J bolts, L hooks, washers and self drilling screws wherever necessary.	One Square Metre	753.80	Rupees Seven Hundred Fifty Three and Eighty Paise Only
209	Providing ridge cappings in required shape and size with Aluminium (Oraliu or equivalent) capping 2.40mx0.60m, 0.56mm thick of approved colour including bolts, nuts, washers and self drilling screws wherever necessary.	One Metre	600.00	Rupees Six Hundred 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	798.10	Rupees Seven Hundred Ninety Eight and Ten 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	4320.00	Rupees Four Thousand Three Hundred Twenty 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	150.00	Rupees One Hundred Fifty Only
213	Supplying and fixing good approved quality special type Push Cock for Urinals as directed by the Engineer-in-Charge	Each	1000.00	Rupees One Thousand 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	1526.06	Rupees One Thousand Five Hundred Twenty Six and Six 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	2951.66	Rupees Two Thousand Nine Hundred Fifty One and Sixty Six 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	432.35	Rupees Four Hundred Thirty Two and Thirty Five 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	5753.00	Rupees Five Thousand Seven Hundred Fifty Three Only
218	Supplying and providing sensors (Battery system) for urinals	Each	6269.50	Rupees Six Thousand Two Hundred Sixty Nine and Fifty Paise Only
219	Replacing battery case of urinal sensor	Each	407.40	Rupees Four Hundred Seven and Forty Paise Only

220	Replacing flushing tank (Cascade)	Each	2729.50	Rupees Two Thousand Seven Hundred Twenty Nine and Fifty Paise Only
221	Supplying and laying/ fixing good approved quality 75mm dia PVC pipe (10Kg/cm ²) of Finolex/ Supreme or approved equivalent make buried / above ground for water supply.	One Metre	388.70	Rupees Three Hundred Eighty Eight and Seventy Paise Only
222	Supplying and fixing 75mm dia. good quality PVC valve	Each	476.00	Rupees Four Hundred Seventy Six 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 Square Metre	127.82	Rupees One Hundred Twenty Seven and Eighty Two Paise Only
224	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	One Square Metre	1167.89	Rupees One Thousand One Hundred Sixty Seven and Eighty Nine 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	1202.41	Rupees One Thousand Two Hundred Two and Forty One Paise Only
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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 Square Metre	1295.17	Rupees One Thousand Two Hundred Ninety Five and Seventeen Paise Only
227	Laying old cement cocrete 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 Engineerin- charge. (Old CC paver blocks shall be supplied by the department free of cost).	One Square Metre	440.60	Rupees Four Hundred Forty and Sixty 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	5405.72	Rupees Five Thousand Four Hundred Five and Seventy Two Paise Only
b	100mm Class II	Each	6015.18	Rupees Six Thousand Fifteen and Eighteen Paise Only
c	125mm Class I	Each	5869.63	Rupees Five Thousand Eight Hundred Sixty Nine and Sixty Three Paise Only
d	125mm Class II	Each	7042.82	Rupees Seven Thousand Forty Two and Eighty Two Paise Only
e	150mm Class I	Each	7932.17	Rupees Seven Thousand Nine Hundred Thirty Two and Seventeen Paise Only
f	150mm Class II	Each	8755.41	Rupees Eight Thousand Seven Hundred Fifty Five and Forty One Paise Only
g	200mm Class I	Each	15435.64	Rupees Fifteen Thousand Four Hundred Thirty Five and Sixty Four Paise Only
h	200mm Class II	Each	18179.67	Rupees Eighteen Thousand One Hundred Seventy Nine and Sixty Seven Paise Only

i	250mm Class I	Each	22514.40	Rupees Twenty Two Thousand Five Hundred Fourteen and Forty Paise Only
j	250mm Class II	Each	29257.21	Rupees Twenty Nine Thousand Two Hundred Fifty Seven and Twenty One Paise Only
k	300mm Class I	Each	31179.23	Rupees Thirty One Thousand One Hundred Seventy Nine and Twenty Three Paise Only
l	300mm Class II	Each	36506.33	Rupees Thirty Six Thousand Five Hundred Six and Thirty Three Paise Only
230	Replacing damaged knob of flushing tank	Each	433.90	Rupees Four Hundred Thirty Three and Ninety Paise Only
231	Supplying and Providing Duracell batteries	Each	56.10	Rupees Fifty Six and Ten 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	69.31	Rupees Sixty Nine and Thirty One 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	21926.96	Rupees Twenty One Thousand Nine Hundred Twenty Six and Ninety Six 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	30302.48	Rupees Thirty Thousand Three Hundred Two and Forty Eight 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	10685.45	Rupees Ten Thousand Six Hundred Eighty Five and Forty Five 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	5731.55	Rupees Five Thousand Seven Hundred Thirty One and Fifty Five 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	565.03	Rupees Five Hundred Sixty Five and Three Paise Only
b	150mm dia. RCC pipe	One metre	628.69	Rupees Six Hundred Twenty Eight and Sixty Nine Paise Only
c	250mm dia. RCC pipe	One metre	1025.33	Rupees One Thousand Twenty Five and Thirty Three Paise Only
d	300mm dia. RCC pipe	One metre	1173.73	Rupees One Thousand One Hundred Seventy Three and Seventy Three Paise Only

e	450mm dia. RCC pipe	One metre	1892.74	Rupees One Thousand Eight Hundred Ninety Two and Seventy Four Paise Only
f	500mm dia. RCC pipe	One metre	2251.86	Rupees Two Thousand Two Hundred Fifty One and Eighty Six Paise Only
g	600mm dia. RCC pipe	One metre	2647.89	Rupees Two Thousand Six Hundred Forty Seven and Eighty Nine Paise Only
h	700mm dia. RCC pipe	One metre	3442.52	Rupees Three Thousand Four Hundred Forty Two and Fifty Two Paise Only
i	800mm dia. RCC pipe	One metre	4108.17	Rupees Four Thousand One Hundred Eight and Seventeen Paise Only
j	900mm dia. RCC pipe	One metre	5559.22	Rupees Five Thousand Five Hundred Fifty Nine and Twenty Two Paise Only
k	1000mm dia. RCC pipe	One metre	6523.87	Rupees Six Thousand Five Hundred Twenty Three and Eighty Seven Paise Only
l	1100mm dia. RCC pipe	One metre	7330.32	Rupees Seven Thousand Three Hundred Thirty and Thirty Two Paise Only
m	1200mm dia. RCC pipe	One metre	8217.84	Rupees Eight Thousand Two Hundred Seventeen and Eighty Four 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	9901.10	Rupees Nine Thousand Nine Hundred One and Ten 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	9559.00	Rupees Nine Thousand Five Hundred Fifty Nine Only
240	Supplying good quality Acturator Plates of Geberit Alpha 15,bright Chrome or approved equivalent make including all required fitting etc.Complete	One metre	2530.00	Rupees Two Thousand Five Hundred Thirty Only
241	Supplying good quality paper holder with cover of Parryware T6414A1 or approved equivalent make including all required fitting etc.Complete.	One metre	1624.70	Rupees One Thousand Six Hundred Twenty Four and Seventy 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	676.50	Rupees Six Hundred Seventy Six and Fifty 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	75.00	Rupees Seventy Five 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)	m2	157.39	Rupees One Hundred Fifty Seven and Thirty Nine 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	5419.33	Rupees Five Thousand Four Hundred Nineteen and Thirty Three 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.	m2	824.53	Rupees Eight Hundred Twenty Four and Fifty Three Paise Only
247	Supplying 25mm approved quality water meter with test certificate as per directions of the Engineer-in-charge.	Each	2875.00	Rupees Two Thousand Eight Hundred Seventy Five 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.	m2	155.06	Rupees One Hundred Fifty Five and Six 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	8000.00	Rupees Eight Thousand 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.	m2	286.00	Rupees Two Hundred Eighty Six 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	183.60	Rupees One Hundred Eighty Three and Sixty 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	11331.10	Rupees Eleven Thousand Three Hundred Thirty One and Ten 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.	m2	860.80	Rupees Eight Hundred Sixty and Eighty 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	24.53	Rupees Twenty Four and Fifty 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	59.39	Rupees Fifty Nine and Thirty Nine 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	41.30	Rupees Forty One and Thirty 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	129.11	Rupees One Hundred Twenty Nine and Eleven 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	555.16	Rupees Five Hundred Fifty Five and Sixteen 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	484.16	Rupees Four Hundred Eighty Four and Sixteen 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	6002.36	Rupees Six Thousand Two and Thirty Six 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	45500.00	Rupees Forty Five Thousand Five Hundred 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	154.75	Rupees One Hundred Fifty Four and Seventy Five 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	7300.00	Rupees Seven Thousand Three Hundred 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	130.00	Rupees One Hundred Thirty 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 Gage 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	2950.00	Rupees Two Thousand Nine Hundred Fifty 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	6800.00	Rupees Six Thousand Eight Hundred 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	3800.00	Rupees Three Thousand Eight Hundred 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	8800.00	Rupees Eight Thousand Eight Hundred 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	6000.00	Rupees Six Thousand Only
	PART-C ROAD WORK- 20.00 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	3589.77	Rupees Three Thousand Five Hundred Eighty Nine and Seventy Seven 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	611.95	Rupees Six Hundred Eleven and Ninety Five 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	5775.20	Rupees Five Thousand Seven Hundred Seventy Five and Twenty 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	5775.20	Rupees Five Thousand Seven Hundred Seventy Five and Twenty 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	4639.80	Rupees Four Thousand Six Hundred Thirty Nine and Eighty 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	5282.30	Rupees Five Thousand Two Hundred Eighty Two and Thirty 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	268.90	Rupees Two Hundred Sixty Eight and Ninety 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	164.30	Rupees One Hundred Sixty Four and Thirty 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	57.15	Rupees Fifty Seven and Fifteen Paise Only
b	On bituminous surface @ 0.50 Kg / sqm	One square metre	45.73	Rupees Forty Five and Seventy Three 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	22.63	Rupees Twenty Two and Sixty Three Paise Only
b	On bituminous surface @ 0.25kg/sqm	One square metre	14.95	Rupees Fourteen and Ninety Five 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	16.10	Rupees Sixteen and Ten Paise Only
b	On bituminous surface @ 0.25kg/sqm	One square metre	10.94	Rupees Ten and Ninety 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	327.53	Rupees Three Hundred Twenty Seven and Fifty Three 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	134.75	Rupees One Hundred Thirty Four and Seventy Five 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	10523.79	Rupees Ten Thousand Five Hundred Twenty Three and Seventy Nine 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	10417.38	Rupees Ten Thousand Four Hundred Seventeen and Thirty Eight 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	340.78	Rupees Three Hundred Forty and Seventy Eight 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	337.99	Rupees Three Hundred Thirty Seven and Ninety Nine 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 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 Batch Type Hot Mix Plant of 100-120 TPH capacity.	One Cubic Metre	14874.22	Rupees Fourteen Thousand Eight Hundred Seventy Four and Twenty Two Paise 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	15628.14	Rupees Fifteen Thousand Six Hundred Twenty Eight and Fourteen 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 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 drum Type Hot Mix Plant of 60-90 TPH capacity.	One Square metre	14789.99	Rupees Fourteen Thousand Seven Hundred Eighty Nine and Ninety Nine 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 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) 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	15513.92	Rupees Fifteen Thousand Five Hundred Thirteen and Ninety Two Paise Only

	PART-D-Supply of Materials Rs.5.00 Lakhs			
1	Supplying and stacking good quality granite metal			
a	6mm	One cubic metre	1902.66	Rupees One Thousand Nine Hundred Two and Sixty Six Paise Only
b	10mm	One cubic metre	1834.70	Rupees One Thousand Eight Hundred Thirty Four and Seventy Paise Only
c	12.5mm	One cubic metre	1834.70	Rupees One Thousand Eight Hundred Thirty Four and Seventy Paise Only
d	20mm	One cubic metre	1834.70	Rupees One Thousand Eight Hundred Thirty Four and Seventy Paise Only
e	25mm	One cubic metre	1834.70	Rupees One Thousand Eight Hundred Thirty Four and Seventy Paise Only
f	40mm	One cubic metre	1766.75	Rupees One Thousand Seven Hundred Sixty Six and Seventy Five Paise Only
g	50mm	One cubic metre	1359.04	Rupees One Thousand Three Hundred Fifty Nine and Four Paise Only
h	63mm	One cubic metre	1359.04	Rupees One Thousand Three Hundred Fifty Nine and Four Paise Only

2	Supplying and stacking good quality Crusher Run Screening	One cubic metre	2000.00	Rupees Two Thousand Only
3	Supplying and stacking good quality Quarry dust	One cubic metre	1770.00	Rupees One Thousand Seven Hundred Seventy Only
4	Supplying and stacking good quality cut gravel.	One cubic metre	1500.00	Rupees One Thousand Five Hundred Only
5	Supplying Common burnt clay F.P.S. (non modular) bricks class designation 7.5	One number	6.12	Rupees Six and Twelve Paise Only
6	Supplying and stacking good quality solid block of size 300x150mmx200mm M15 grade 20mm metal	One number	60.00	Rupees Sixty Only
7	Supplying and stacking good quality solid block of size 300x100mmx200mm M15 grade 20mm metal	One number	40.00	Rupees Forty Only
8	Supplying at Site good approved quality AC pipe of 300mm dia	One Metre	8000.00	Rupees Eight Thousand Only
9	Supplying at site good approved quality AC pipe of 200mm dia	One Metre	5100.00	Rupees Five Thousand One Hundred Only
10	Supplying at site good approved quality AC pipe of 150mmdia	One Metre	2600.00	Rupees Two Thousand Six Hundred Only

11	Supplying at site good approved quality AC pipe of 100mmdia	One Metre	1700.00	Rupees One Thousand Seven Hundred Only
12	Supplying at site good approved quality HDPE pipe of 200mmdia	One Metre	2700.00	Rupees Two Thousand Seven Hundred Only
13	Supplying at site good approved quality HDPE pipe of 150mmdia	One Metre	2000.00	Rupees Two Thousand Only
14	Supplying troughed galvalume sheet 0.50mm thickfor roofing	one Square Metre	520.00	Rupees Five Hundred Twenty Only
	PART-E Supply of Labourers-Rs.5.00 Lakh			
1	Skilled labourers Mason, Fitter, Welder, Aluminium Fabricator, Tiler, Carpenter etc- for 8hrs per day.	Each worker	1002.97	Rupees One Thousand Two and Ninety Seven Paise Only

2	Unskilled labourers- Mazdoor- for 8 hrs per day.	Each worker	758.34	Rupees Seven Hundred Fifty Eight and Thirty Four Paise Only	
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.quotationers 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.Wrongful entry of quotes shall entail disqualifications besides other actions as the Employee deem fit.	PART-A			
		PART-B			
		PART-C			
		PART-D			
		PART-E			
" This is a Electronic Submission No Need of Signature"					