

Tender Price Schedules

Name of work: Execution of Miscellaneous Repair /Maintenance, upgradation and Construction works in Zone 3 – a cluster of central warehouses located at Chandigarh On Annual rate Contract basis				
SUB SCHEDULE A (I)				
DSR BASED ITEMS (CIVIL)				
SLNo	Description	Unit	Rate	Reference
	DSR 2021 Civil Items			
1	Disposal of moorum/building rubbish/malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge.	cum	411.30	DSR Civil 2021
	EARTH WORK			
2	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge.			DSR Civil 2021
	All kinds of soil	cum	149.00	
3	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, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.			DSR Civil 2021
	All kinds of soil.	cum	218.60	
4	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 for all lift	cum	161.60	DSR Civil 2021

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5	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	2161.20	DSR Civil 2021
6	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	sqm	14.50	DSR Civil 2021
7	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	sqm	7.40	DSR Civil 2021
	CEMENT CONCRETE (CAST IN SITU)			
8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :			DSR Civil 2021
9	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	7783.65	DSR Civil 2021
10	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	6326.05	DSR Civil 2021
11	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:			
12	1:1½:3 (1 cement : VA coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	cum	9465.80	DSR Civil 2021
13	Centering and shuttering including strutting, propping etc. and removal of form work for:			DSR Civil 2021

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A	Foundations, footings, bases for columns	sqm	332.10	DSR Civil 2021
B	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	sqm	702.00	DSR Civil 2021
C	Columns, piers, abutments, pillars, posts and struts	sqm	804.25	DSR Civil 2021
14	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	sqm	681.65	DSR Civil 2021
	REINFORCED CEMENT CONCRETE			
15	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :			DSR Civil 2021
	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	8364.20	DSR Civil 2021
16	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement:			DSR Civil 2021
	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	9861.70	DSR Civil 2021

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17	Reinforced cement concrete work in beams, suspended foors, roofs having slope up to 15* landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to foor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size derived from natural sources).	cum	10391.40	DSR Civil 2021
18	Centering and shuttering including strutting, propping etc. and removal of form for			DSR Civil 2021
A	Foundations, footings, bases of columns, etc. for mass concrete.	sqm	332.10	DSR Civil 2021
B	Walls any thickness) including attached pilasters, butresses, plinth and string courses etc.	sqm	702.00	DSR Civil 2021
C	Suspended floors, roofs, landings, balconies and access platform	sqm	766.55	DSR Civil 2021
D	Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	608.35	DSR Civil 2021
E	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	804.25	DSR Civil 2021
F	Weather shade, Chajjas, corbels etc., including edges	sqm	814.95	DSR Civil 2021
19	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete at all level.			DSR Civil 2021
A	Mild steel and Medium Tensile steel bars	kg	88.95	DSR Civil 2021
B	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	89.65	DSR Civil 2021
	MASONRY WORK			
20	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:			DSR Civil 2021
	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	6658.25	DSR Civil 2021
21	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 :			DSR Civil 2021

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	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	8288.35	DSR Civil 2021
22	Brick work with clay flyash F.P.S. (non modular) brick of class designation 7.5 in superstructure above plinth level up to floor five level in :			DSR Civil 2021
	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	8190.90	DSR Civil 2021
	STONE WORK			
23	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 :			DSR Civil 2021
	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	6653.45	DSR Civil 2021
24	Random rubble masonry with hard stone in superstructure above plinth level and upto floor five level, including leveling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) at window sills, ceiling level and the like.			DSR Civil 2021
	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	8275.70	DSR Civil 2021
	STEEL WORK			DSR Civil 2021
25	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	93.05	DSR Civil 2021
26	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	111.95	DSR Civil 2021
27	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.			DSR Civil 2021
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	142.30	DSR Civil 2021

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28	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with :			DSR Civil 2021
	4.0 mm thick glass panes (weights not less than 10 kg/ sqm)	sqm	940.30	DSR Civil 2021
	FLOORING			DSR Civil 2021
29	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks:			DSR Civil 2021
	1:4 (1 cement : 4 coarse sand)	sqm	937.00	DSR Civil 2021
30	Dry brick on edge flooring in required pattern with bricks of class designation 7.5 on a bed of 12 mm mud mortar, including filling joints with local sand, with common burnt clay non modular bricks.	sqm	733.30	DSR Civil 2021
31	Providing and fixing glass strips in joints of terrazo/ cement concrete floors.			DSR Civil 2021
	40 mm wide and 4 mm thick	metre	79.50	DSR Civil 2021
32	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :			DSR Civil 2021
	25 mm thick	sqm	1706.60	DSR Civil 2021
33	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	sqm	935.60	DSR Civil 2021

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34	Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	sqm	938.50	DSR Civil 2021
35	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.			DSR Civil 2021
	Size of Tile 500x500 mm	sqm	1334.35	DSR Civil 2021
36	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.			DSR Civil 2021
	Size of Tile 600x600 mm	sqm	1466.50	DSR Civil 2021
	ROOFING			DSR Civil 2021
37	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of			DSR Civil 2021

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	approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.			
	0.80 mm thick with zinc coating not less than 275 gm/m ²	sqm	1135.45	DSR Civil 2021
38	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design :			DSR Civil 2021
	In 75x75 mm deep chase	metre	260.20	DSR Civil 2021
39	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.			DSR Civil 2021
	110 mm diameter	metre	319.75	DSR Civil 2021
40	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for 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.			DSR Civil 2021
A	Bend 87.5°			DSR Civil 2021
	110 mm bend	each	132.00	DSR Civil 2021
B	Shoe (Plain)			DSR Civil 2021
	110 mm Shoe	each	115.95	DSR Civil 2021
	FINISHING			DSR Civil 2021
41	12 mm cement plaster of mix :			DSR Civil 2021
	1:6 (1 cement: 6 fine sand)	sqm	282.00	DSR Civil 2021
42	15 mm cement plaster on the rough side of single or half brick wall of mix :			DSR Civil 2021
	1:6 (1 cement: 6 fine sand)	sqm	324.30	DSR Civil 2021
43	6 mm cement plaster of mix :			DSR Civil 2021
	1:3 (1 cement : 3 fine sand)	sqm	253.05	DSR Civil 2021
44	Neat cement punning.	sqm	67.80	DSR Civil 2021

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45	Pebble dash plaster upto 10 m height above ground level with a mixture of washed pebble or crushed stone 6 mm to 12.5 mm nominal size, dashed over and including fresh plaster in two layers under layer 12 mm cement plaster 1:4 (1 cement : 4 coarse sand) and top layer 10 mm cement plaster with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 10% finely grounded hydrated lime by volume of cement.	sqm	705.90	DSR Civil 2021
46	Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement : 3 fine sand):			DSR Civil 2021
	Flush / Ruled/ Struck or weathered pointing	sqm	214.40	DSR Civil 2021
47	Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand):			DSR Civil 2021
	Flush/ Ruled pointing	sqm	319.35	DSR Civil 2021
48	White washing with lime to give an even shade :			DSR Civil 2021
	New work (three or more coats)	sqm	32.45	DSR Civil 2021
49	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :			DSR Civil 2021
	New work (two or more coats) over and including water thinnable priming coat with cement primer	sqm	162.55	DSR Civil 2021
50	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :			DSR Civil 2021
	Water thinnable cement primer	sqm	64.45	DSR Civil 2021
51	Finishing walls with water proofing cement paint of required shade :			DSR Civil 2021
	New work (Two or more coats applied @ 3.84 kg/10 sqm)	sqm	97.60	DSR Civil 2021
52	Finishing walls with Acrylic Smooth exterior paint of required shade :			DSR Civil 2021
	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)	sqm	166.85	DSR Civil 2021
53	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:			DSR Civil 2021
	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including	sqm	162.35	DSR Civil 2021

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	priming coat of exterior primer applied @ 2.20 kg/10 sqm)			
54	Applying priming coat:			DSR Civil 2021
	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	sqm	55.50	DSR Civil 2021
55	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.			DSR Civil 2021
A	On steel work	sqm	201.70	DSR Civil 2021
B	On concrete work	sqm	198.40	DSR Civil 2021
56	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :			DSR Civil 2021
	Two or more coats on new work	sqm	131.45	DSR Civil 2021
57	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.			DSR Civil 2021
	Two coats	sqm	90.05	DSR Civil 2021
58	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.			DSR Civil 2021
	One coat	sqm	78.00	DSR Civil 2021
59	Wall painting with premium acrylic emulsion paint of interior grade, 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.			DSR Civil 2021
A	One coat	sqm	80.25	DSR Civil 2021
B	Two coats	sqm	121.55	DSR Civil 2021
60	White washing with lime to give an even shade :			DSR Civil 2021
	Old work (two or more coats)	sqm	19.00	DSR Civil 2021

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61	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	sqm	16.35	DSR Civil 2021
62	Distempering with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade :			DSR Civil 2021
	Old work (one or more coats)	sqm	56.80	DSR Civil 2021
63	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.	sqm	20.85	DSR Civil 2021
64	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :			DSR Civil 2021
	Old work (one or more coats)	sqm	77.20	DSR Civil 2021
65	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :			DSR Civil 2021
	One or more coats on old work	sqm	86.55	DSR Civil 2021
	REPAIRS TO BUILDING			DSR Civil 2021
66	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.			DSR Civil 2021
	With cement mortar 1:4 (1 cement : 4 fine sand)	sqm	462.30	DSR Civil 2021
67	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:			DSR Civil 2021
	Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm)	sqm	941.95	DSR Civil 2021
68	Raking out joints in lime or cement mortar and preparing the surface for re-pointing or replastering, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.	sqm	59.75	DSR Civil 2021

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69	Taking out wind ties from roof including cutting out rusted bolts, nuts etc. and removing materials to any distance within compound and stacking.	kg	4.45	DSR Civil 2021
70	Fixing of old wind tie with new fittings including painting two or more coats with anticorrosive bitumastic paint of approved brand & manufacturer over and including priming coat of ready mixed zinc chromate yellow primer of approved brand.	metre	107.00	DSR Civil 2021
71	Providing round the clock security guard with gun for watch & ward of Government premises and its all belongings by deploying neatly dressed security guards in 8 hour's shift including necessary T&P like torch, lathi and uniform etc.complete, as per the direction of Engineer-in-charge.(One job means 8 hour's duty).	job	1169.65	DSR Civil 2021
72	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of:			DSR Civil 2021
A	G.S. Sheet	sqm	136.00	DSR Civil 2021
B	Asbestos Cement sheet	sqm	63.75	DSR Civil 2021
	ROAD WORK			DSR Civil 2021
73	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the subgrade and disposal of surplus earth with lead upto 50 metres.	sqm	180.50	DSR Civil 2021
74	Supplying and stacking at site.			DSR Civil 2021
A	90 mm to 45 mm size stone aggregate	cum	1937.60	DSR Civil 2021
B	63 mm to 45 mm size stone aggregate	cum	1624.50	DSR Civil 2021
C	53 mm to 22.4 mm size stone aggregate	cum	1837.25	DSR Civil 2021
D	Stone screening 13.2 mm nominal size (Type A)	cum	1865.00	DSR Civil 2021
E	Stone screening 11.2 mm nominal size (Type B)	cum	2065.70	DSR Civil 2021
F	Good earth	cum	624.55	DSR Civil 2021
G	Moorum	cum	888.30	DSR Civil 2021

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75	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density .	cum	865.80	DSR Civil 2021
76	Scarifying metalled (water-bound) road surface including disposal of rubbish, lead upto 50 m and consolidation of the aggregate received from scarifying with power road roller of 8 to 10 tonne capacity.	sqm	27.55	DSR Civil 2021
77	Dry stone pitching 22.5 cm thick including supply of stones and preparing surface complete.	sqm	821.95	DSR Civil 2021
78	Cutting road and making good the same including supply of extra quantities of materials i.e. aggregate, moorum screening, red bajri and labour required.			DSR Civil 2021
	Water bound macadam	cum	2592.10	DSR Civil 2021
79	Providing and fixing pre-moulded joint filler in expansion joints of RCC roads / CC pavements after making the joints dust free with high pressure air jet cleaners, all complete as per direction of the Engineer-in-Charge. (Pre-moulded joint fillers shall be made of bitumen hot sealing compound impregnated fibre board having impregnation more than 35%, conforming to IS:1838 for fibre board and IS: 1834 for hot sealing bitumen compound grade A.)	per cm depth per cm width per m length	4.70	DSR Civil 2021
80	Providing and filling in position rubberized bitumen hot sealing compound for sealing of expansion joints in roads / pavements all complete as per direction of the Engineer-in-Charge.	per cm depth per cm width per m length	7.50	DSR Civil 2021
81	Painting runway/taxi track/apron marking with adequate nos of coats to give uniform finish with road marking paint of superior make as approved by the Engineer-in-charge, i/c cleaning the		158.50	DSR Civil 2021

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	surface of ail dirt, scales, oil, grease and other foreign material etc. and lining out complete.New work (Two or more coats)			
82	Painting runway/taxi track/apron marking with adequate nos of coats to give uniform finish with road marking paint of superior make as approved by the Engineer-in-charge, i/c cleaning the surface of ail dirt, scales, oil, grease and other foreign material etc. and lining out complete.		101.60	DSR Civil 2021
83	Providing and fixing Glow studs of size 100x20 mm made of heavyduty body shall be moulded ASA (Acrylic styrene Acryloretrite) orHIP (High impact polystyrene) or ABS having electronically weldedmicro- prismatic lens with abrasion resistant coating as approved byEngineer in charge. The glow stud shall support a load of 13635 kgttested in accordance with ASTM D4280. The slope of retro-reflectivesurface shall be 35 (+/-5) degress to base .The reflective panels onboth sides with at least 12 cm of reflective area up each side. Theluminance intensity should be as per the specification and shall betested as described in ASTM I: 809 as recommended in BS: 873part 4 : 1973. The studs shall be fixed to the Road surface using theadhesive conforming to IS, as per procedure recommended by themanufacturer complete and as per direction of Engineer-in-charge.	each	175.50	DSR Civil 2021
84	Providing and fixing concertina coil fencing with punched tapeconcertina coil 600 mm dia 10 metre openable length (total length90 m), having 50 nos rounds per 6 metre length, upto 3 m height ofwall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apartand with 9 horizontal R.B.T. reinforced barbed wire, stud tied withG.I. staples and G.I. clips to retain horizontal, including necessarybolts or G.I. barbed wire tied to angle iron, all complete as per directionof Engineer-	metre	303.65	DSR Civil 2021

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	in-charge, with reinforced barbed tape(R.B.T.) / Springcore (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mmwith tape (0.52 mm thick) and weight 43.478 gm/ metre (cost ofM.S. angle, C.C. blocks shall be paid separately)			
85	<p>Manufacturing, supplying and fixing retro reflective overhead signage boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity and encapsulated lens type heat activated retro reflective sheeting conforming to type - III of ASTM-D-4956-01 as approved by Engineer-in-charge, letters, borders etc. as per IRC : 67-2001 in silver white with blue colour back ground and with high intensity grade, pasted on substrate by pressure sensitive adhesive backing which shall be activated by applying pressure conforming to class II of ASTM-D-4956-01 and fixing the same to the plate of structural frame work by means of suitable sized aluminium alloys, rivets or bolts & nuts @ 300 mm centre to centre all along the periphery as well as in two vertical rows along with theft resistant measures, including the cost of painting with two or more coats of epoxy paint in grey colour on the back side of aluminium sheet including appropriate priming coat. The rate includes the cost of rounding off the corners, lowering down the structural frame work from the gantry, fixing and erecting the same in position all complete as per drawings,</p>	sqm	5609.55	DSR Civil 2021

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	<p>specification and direction of the engineer-in-charge.(Structural frame work including M.S. plate to be provided separately. Rectangular area of the sheet only shall be measured for payment). Overhead informatory road signage</p>			
86	<p>Providing and applying 2.5 mm thick road marking strips (retro- reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications.</p>	sqm	623.80	DSR Civil 2021
	SANITARY INSTALLATIONS			DSR Civil 2021
87	<p>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 whiteP.V.C. flushing cistern, including flush pipe, with manually controlleddevice (handle lever) conforming to IS : 7231, with all fittings andfixtures complete, including cutting and making good the walls andfloors wherever required:</p>			DSR Civil 2021

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	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	each	5781.35	DSR Civil 2021
88	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 :			DSR Civil 2021
	W.C. pan with ISI marked white solid plastic seat and lid	each	5540.55	DSR Civil 2021
89	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 :			DSR Civil 2021
	One urinal basin with 5 litre white P.V.C. automatic flushing cistern	each	5268.85	DSR Civil 2021
90	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:			DSR Civil 2021
	White Vitreous China Flat back wash basin size 450x300 mm with single 15mm C.P. brass pillar tap	each	1318.35	DSR Civil 2021
91	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	each	1500.05	DSR Civil 2021
92	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	each	299.35	DSR Civil 2021
	WATER SUPPLY			DSR Civil 2021

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93	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			DSR Civil 2021
A	15 mm nominal dia Pipes	metre	255.90	DSR Civil 2021
B	20 mm nominal dia Pipes	metre	325.10	DSR Civil 2021
C	25 mm nominal dia Pipes	metre	408.55	DSR Civil 2021
94	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			DSR Civil 2021
A	15 mm nominal dia Pipes	metre	441.15	DSR Civil 2021
B	20 mm nominal dia Pipes	metre	513.75	DSR Civil 2021
C	25 mm nominal dia Pipes	metre	626.05	DSR Civil 2021
	ALUMINIUM WORK			DSR Civil 2021
95	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 I paneling, C.P.			DSR Civil 2021

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	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			DSR Civil 2021
A	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	466.30	DSR Civil 2021
B	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)			DSR Civil 2021
	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	553.55	DSR Civil 2021
	Civil Market Rate Items- Non Scheduled Items			
96	Providing and fixing colour coated galvalume profile sheets (Make-TATA/JSW) with the depth of 30 mm and pitch of corrugation 200 mm (Colour and shape of profile as approved by the Engineer-in-charge), 0.60 mm(TCT) total coated thickness(tolerance as per relevant IS code), material yield strength 550 MPa, galvalume AZ-150 GSM (both side inclusive) with regular modified polyester paint and coating of 20-25 micron RMP on exposed surface including primer and 7-10 micron epoxy coating on unexposed surface including primer. The sheet should be supplied in single length as shown in drawing or as desired by engineer in charge and shall be fixed using stainless steel Hex cap headed self drilling/ tapping stainless steel screws M6, 50 mm long with 3 mm thick EPDM seal and Stainless steel stitching screw of size 19X2.5 mm	Sqm	830.70	Civil NSI / MR

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	excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. All screw should be sealed with silicon sealant.			
97	Providing and fixing colour coated galvalume sheets roofing accessories (Make- TATA/JSW), 0.60 mm total coated thickness (TCT), material yield strength 550 MPa, galvalume AZ-150 GSM (both side inclusive) with regular modified polyester paint and coating of 20-25 micron rmp on expose surface including primer and 7-10 micron epoxy coating on unexposed surface including primer using stainless steel self drilling/ tapping screws of size 6x50 mm with 3 mm thick EPDM seal and Stainless steel plain washer complete : Matching Profile ridge (500 - 600mm).	Metre	610.20	Civil NSI / MR
98	Providing and fixing colour coated galvalume sheets roofing accessories (Make-TATA/ JSW), 0.60 mm total coated thickness (TCT), material yield strength 550 MPa, galvalume AZ-150 GSM (both side inclusive) with regular modified polyester paint and coating of 20-25 micron rmp on expose surface including primer and 7-10 micron epoxy coating on unexposed surface including primer using stainless steel self drilling/ tapping screws of size 6x50 mm with EPDM seal and Stainless steel plain washer complete : Flashing/ Apron (Upto 600mm).	Metre	545.30	Civil NSI / MR

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99	Repair / Refilling gap between roof sheet and walls with cement concrete 1:1.5:3 (1 cement: 1.5 Coarse sand (Zone III), 3 graded stone aggregate 20 mm nominal size) and finishing/ leveling with avg 6 mm thick cement plaster both side of mix 1:3 (1 cement : 3 fine sand) to match with existing wall plaster i/c scaffolding and all lead and lift complete as per direction of Engineer -in-charge.(avg thickness of CC 50 mm)	Sqm	552.70	Civil NSI / MR
100	Providing and spreading non-metallic floor hardener minimum @ 4.5kg/sqm in floor concrete (as per manufactures specifications and approved by Engineer-in-charge). Nothing extra shall be payable if manufacturer specifies extra quantity.	Sqm	80.90	Civil NSI / MR
101	Providing and fixing channels for preparing panels of required size and then dewatering of the concrete with vaccum dewatering machine finishing with mechanical trowel with trimix matching (thickness of flooring 75 to 150 mm, along with cutting groove joints at appropriate spacing as per direction of engineer in charge (concrete and steel to be paid separately as per relevent item)	Cum	610.00	Civil NSI / MR
102	Extra for providing and fixing Aluminium wind ties of 40 x 6 mm section.	Metre	212.70	Civil NSI / MR
103	Providing and laying factory made chamfered edge Cement Concrete paver blocks in Docking roads , parking bays etc of rectangular/ I/dumbbell shape as directed by Engineer in charge and in grade M40 and thickness of 100 mm 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 bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern,	Sqm	1213.00	Civil NSI / MR

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	finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge.			
104	Providing and laying factory made chamfered edge Cement Concrete paver blocks in Docking roads , parking bays etc of rectangular/ I/dumbbell shape as directed by Engineer in charge and in grade M50 and thickness of 100 mm 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 bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge.	sqm	1466.92	Civil NSI / MR
105	Supply & Fixing of 2mm thick Polycarbonate sheet, having length, width and profile in accordance with those of adjoining main cladding sheets shall be fixed using stainless steel Hex cap headed self-drilling/ tapping stainless steel screws M6,50 mm long with 3 mm thick EPDM seal and Stainless steel stitching screw of size 19X2.5 mm excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. All screw should be sealed with silicon sealant. complete work as directed by official in charge	Sqm	1495.00	Civil NSI / MR
106	Removing & refixing A.C. sheets in roofing with G.I.J. or L hooks bitumen and G.I. plain washers complete as directed by official -in-Charge (Undamaged crack free A.C. Sheets required for the work shall be used out	sqm	155.61	Civil NSI / MR

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	of dismantled serviceable assets and shall be supplied free of cost by CWC.)			
107	Removing & refixing of existing GI/ Galvalume steel sheets in roofing using stainless steel Hex cap headed self drilling/ tapping stainless steel screws M6, 50 mm long with 3 mm thick EPDM seal and Stainless steel stitching screw of size 19X2.5 mm excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. All screw should be sealed with silicon sealant complete as directed by official in charge (Sheets required for the work shall be used out of dismantled serviceable assets and shall be supplied by CWC free of cost.)	sqm	252.74	Civil NSI / MR
108	Supplying & Laying APP tarfelt non woven polyeser based pliable menbrane with release film on top of roof/ sheet/ Ridges of thickness 2 mm,as per IS code 16532: 2017 with suitable cold applied synthetic adhesive for bituminous membrane confroming to ASTM D 6511: 2018 all work complete as per direction of official in charge to plug leakage/ water ingress	sqm	214.15	Civil NSI / MR
109	Laying stone soling including packing with smaller stone and consolidation with road roller including spreading and consolidation of blinding material, moorum, earth filling and laying to template, (payment to be made for quantity of only stone soling used excluding blinding material etc.) complete work as per direction of official in charge	cum	820.52	Civil NSI / MR
110	Providing and fixing Glass strips in joints of terazo/cement floors. A) 50 mm wide and 4 mm thick. Complete work as per direction of official in charge	meter	87.05	Civil NSI / MR
111	Providing and fixing broken glass chips on C.C. coping of compound wall during laying of C.C. Coping using broken glass chips @ 5 Kg./SQM (Rate	sqm	287.43	Civil NSI / MR

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	includes cost of glass chips but excluding Cost of C.C. coping). Complete work as per direction of official in charge			
112	P/F ridges and hips in asbestos cement sheet roofing close fitting adjustable ridges (A.C. ridges shall conform to I.S. code 1626 (Part-III) – 1981). Complete work as per direction of official in charge	meter	666.84	Civil NSI / MR
113	Plugging of roof leakage in AC sheets by a cold applied bituminous caulking compound with mineral fillers in a volatilesolvent to retain its plasticity as a selaing material of make shalimar/ sika or equivalnet of good quality . Complete work as per direction of official in charge	sqm	8.15	Civil NSI / MR
114	Plugging of roof leakage by self adhesive tear resistant (Bituminous sealing tape, used for a wide range of waterproofing work on roofs, building components, caravans) plugging tape/ Mastic tape of sika multiseal/ shalimar or equivalent of approved make (minimum width 100 mm) after cleaning the dirt/ sheet complete for proper fixing of tape as per direction of official in charge. Rate includes cost of all material and labour required for plugging of roof leakage. complete work as per direction of official in charge	sqm	1,578.62	Civil NSI / MR
115	Plugging of roof leakage by self adhesive tear resistant having tensile strength of ≥ 130 N/25 mm, , elongation at break ≥ 80 % as per ASTM D1000 (Bituminous sealing tape, used for a wide range of waterproofing work on roofs, building components, caravans) plugging tape/ Mastic tape of sika multiseal/ shalimar or equivalent of approved make (minimum thickness 100 mm and thickness not less than 1 mm) after cleaning the dirt/ sheet complete for proper fixing of tape as per direction of official in charge. Rate includes cost of all material and labour required for plugging of roof leakage. complet	per point	148.68	Civil NSI / MR

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	work as per direction of official in charge			
116	Complete servicing including Lubricating of old rolling shutters with grease and other suitable lubricating items to make rolling shutter in working condition all work complete as per direction of official in charge	sqm	1107.55	Civil NSI / MR
117	Providing and Fixing at or near ground level precast cement concrete saucer drain of grade M-30 : Size (450mm x 600mm x 100mm) including joining with cement mortar 1:3 and laying in proper slope after preparing the firm sub-base, complete work as per direction of official in charge	meter	843.40	Civil NSI / MR
118	painting with anti corrosive paint of aproved brand and manufacture to give an even shade two or more coats on new work as per direction of official in charge	sqm	115.10	Civil NSI / MR
119	Providing and supplying Reinforced Cement Concrete Crash Barrier (Provision of an Reinforced cement concrete crash barrier at the edges of the road, approaches to bridge structures and medians, constructed with M-25 grade concrete with HYSD reinforcement conforming to IRC:21 and dowel bars 25 mm dia, 450 mm long at expansion joints filled with pre-moulded asphalt filler board, keyed to the structure on which it is built and installed as per design given in the enclosure to MOST circular No. RW/NH - 33022/1/94-DO III dated, 24 June 1994 as per dimensions in the approved drawing and at locations directed by the Engineer, all as specified), M 25 grade concrete . complete work as per direction of official in charge	Meter	4446.40	Civil NSI / MR

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120	<p>Metal Beam Crash Barrier: Type - A, "W" : Metal Beam Crash Barrier (Providing and erecting a "W" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 1.8 m high, 1.1 m below ground/road level firmly fixed to the ground by means of foundation with M-15 grade cement concrete 30 x 30 x 110 cm, all steel parts and fitments to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 . complete work as per direction of official in charge</p>	Meter	4599.84	Civil NSI / MR
121	<p>Type - B, "THRIE" : Metal Beam Crash Barrier (Providing and erecting a "Thrie" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 85 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m centre to centre, 2 m high with 1.15 m below ground level firmly fixed to the ground by means of foundation with M15 grade cement concrete 30 x 30 x 115 cm, all steel parts and fitments to be galvanised by hot dip process, all fittings to conform to IS:1367 and IS:1364, metal beam rail to be fixed on the vertical post with a space of channel section 150 x 75 x 5 mm, 546 mm long complete as per clause 811) complete work as per direction of official in charge</p>	Meter	6249.60	Civil NSI / MR

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122	<p>Providing and applying high performance EPU (Epoxy Poly Urethane) Flooring of sika /Fosroc/ STP (Shalimar) / JEMKON of thickness 3 mm on concrete surface, which includes surface preparation thoroughly by grinding & cleaning all dirt, debris to achieve a sound surface, followed by a primer coat with Tech 24 or equivalent compound of 0.1 MM by mixing base and hardener (as per manufacturer's specification). It will be followed by a screed coat with Tech 60 or equivalent compound of 2 MM by mixing base & hardener & aggregates (as per manufacturer's specification) followed by a sealer coat and application of Final Top coat with Tech SLE or equivalent compound of 0.9 MM by mixing base ,hardener , color paste & aggregates (as per manufacturer's specification) complete as per specifications and as directed by official -In-Charge. Total thickness will be 3 MM.</p>	sqm	1083.35	Civil NSI / MR
123	<p>Providing and applying high performance PU (Poly Urethane) Dispersion Based Self-Leveling Cement concrete Flooring of strength M50 (+/- 5), having density of 1920 kg/ cum,of sika /Fosroc/ STP (Shalimar) / JEMKON producing a smooth matt surface finish of required colour, having specified thickness on concrete surface having has excellent chemical resistance and provides smooth, even and easy to clean monolithic, seamless surface, which includes surface preparation thoroughly by scarification: Removal of old coating by means of scarification.Cleaning of dust and debris and making the concrete ready for PU Concrete application, Groove cutting & cleaning all dirt, debris to achieve a sound surface. Application of scratch coat of 1 mm compatible with top and bottom layer and followed by application of Final Top</p>	sqm	1265.31	Civil NSI / MR

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	coat with Tuffkcrete or equivalent compound of 2mm by mixing base , hardener , colour paste & aggregates (as per manufacturer's specification) complete as per specifications and as directed by official-In-Charge. Total thickness will be 3mm.			
124	Providing and laying of Concrete repair material like Tech 12 of STP or any other make giving equivalent repair result produced by Reputed manufacturer like Sika/ Fosroc/ STP (Shalimar)/ JEMKON, making floor surface ready for use/ further application of concrete or EPU/ PU Concrete flooring as per direction of official in charge	kg	278.99	Civil NSI / MR
125	Providing of hydraulic excavator (3D) with driver and fuel for day to day maintenance works in warehouse complex for excavation/ malba cleaning/ shifting of civil work/ electrical work as per direction of official in charge , Rate include cost of services of operating staff, Cost of lubricating oil, diesel / Petrol/ Kerosene oil , other consumables for running the plant and machinery(one job means 8 hours duty)	each job	9393.93	Civil NSI / MR
126	Providing of tractor with trolley for small petty works of day to day maintenance works in warehouse complex for excavation/ malba cleaning/ shifting of civil work/ electrical work as per direction of official in charge, Rate include cost of services of operating staff, Cost of lubricating oil, diesel / Petrol/ Kerosene oil , other consumables for running the plant and machinery (one job means 1 hour duty)	each job	1098.71	Civil NSI / MR

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127	Providing of tractor with trolley for small petty works of day to day maintenance works in warehouse complex for excavation/ malba cleaning/ shifting of civil work/ electrical work as per direction of official in charge, Rate include cost of services of operating staff, Cost of lubricating oil, diesel / Petrol/ Kerosene oil , other consumables for running the plant and machinery (one job means 1 hour duty)	each job	1633.89	Civil NSI / MR
128	Providing of generator for day to day maintenance works in warehouse complex for running machines/ other works as per need of civil work/ electrical work as per direction of official in charge, Rate include cost of services of operating staff, Cost of lubricating oil, diesel / Petrol/ Kerosene oil , other consumables for running the plant and machinery (one job means 8 hours duty)	each job	4042.18	Civil NSI / MR
129	Providing of road roller (8- 10 tonne) for compaction/ consolidation of earth or other day to day maintenance works in warehouse complex for civil work/ electrical work as per direction of official in charge , Rate include cost of services of operating staff, Cost of lubricating oil, diesel / Petrol/ Kerosene oil , other consumables for running the plant and machinery (one job means 8 hours duty)	each job	4042.18	Civil NSI / MR
130	Supply of Water supply tanker of 5000 litre capacity with complete labour work of providing water for intended use as per direction of official in charge	each	2035.27	Civil NSI / MR

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131	<p>Providing, installation and commissioning of one seater portable toilet Assembled Ready To Use of make TATA Steel of cabin size 890mm X 840mm X 1980mm (+/- 25 mm for 1- seater) of colour as per requirement with one no of compartment 1 (no partiton) - seater portable toilet having flat roof having no projection , made of bottom frame material 35mm X 35mm X 5mm(thick) MS angle for one seater, top roof frame material 35mm X 35mm X 5mm(thick) MS angle, unit understructure Supported by 4-legs of size 35mm X 35mm X 5mm MS angle with corner support of 25mm x 25mm X 3mm MS angle for 1-seate, Door size : 585mm x 1830mm (+/- 20 mm) with top, side and door panels of Powder coated 1.2 mm thick Galvanized Iron sheet, having flooring of Anti skid tile finish floor inside toilet, 2 nos door hinges of 75mm size with 1.2-1.5mm thickness MS, Door locking bolts : Size 100mm of MS, Towerbolt of MS size 75mm, Ventilation All 4 - sides of size 650mm X 40mm (+/- 10 mm) of 25mm X 25mm X 3mm(thick) flat MS, with one no of Indian WC with steel base of size 580mm X 440mm with built in platform/footrest , seat cistern fitting By PVC flush pipe to toilet seat, footrest made of SS 304 integrated with Indian WC and floor, base floor surface To be suitably slanted towards WC for proper drainage(for Indian WC), cloth hook made of SS 304, stair size : 610mm X 230mm (+/- 10 mm) having 1-step, stair frame material 25mm x 25mm X 3mm MS angle and stairs of 25mm X 3mm MS flat, with water facility By mean of overhead tank(Capacity 200Ltrs) made of double layer HDPE sheet , tank holder frame material 25mm X 3mm(thick) MS flat, leg height 350mm (+/- 10 mm), 1 no wash basin made of SS 304, chrome</p>	each	299999.00	Civil NSI / MR
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	<p>plated tap, soap stand of SS 304, P trap made of PVC(75mm) ,two number 20 mm dia heavy lifting hook provided, provision of electric connection By mean of connection from main line, water supply connection UPVC pipe connection with all toilet interconnecting, with Sludge tank(Capacity 200 Ltrs) with 75mm outlet facility through butterfly valve and hosepipe(for 1-seater and 2-seater) complete with plumbing and sanitary fitting connections (Cost excludes Civil foundation, sewage tank, mirros, electrical and waste extraction fittings</p>			
132	<p>Providing and fixing PUF panel 50mm thick with both side 0.50mm galvalume colour coated sheet having exterior side profile and plain on interior side , material yield strength 550 MPa, galvalume AZ-150 GSM (both side inclusive for each sheet) with regular modified polester paint and coating of 20-25 micron rmp on expose surface including primer and 7-10 micron epoxy coating on unexposed surface including primer using stainless steel self drilling/ tapping screws of size 6x50 mm with EPDM seal and Stainless steel plain washer complete .</p>	sqm	2608.98	Civil NSI / MR
133	<p>Providing and fixing of 0.50 mm thick S-type PPGI Louvers Systems ,100 mm depth, AZ 150 , Tata /JSW sheet ,With SS 304 Grade Mosquito wire mesh with MS Flat Frame in size from 1 to</p>	sqm	3746.23	Civil NSI / MR

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	1.5m as per drawing all around the building.			
134	Providing Control & Construction Joints by Cutting & filling grooves with PU (Shore A Hardness 28 - 45) based sealant of DCP/BASF MasterFlex 474 / Sika/ Fosroc or Equivalent in construction joints & controlled joints top 10 mm of section filled by sealant and below followed backer rod. The rate includes the cost of all ancillary works as required, as per specifications and instructions of engineer in charge	m	173.93	Civil NSI / MR
135	Providing & fixing of isolation joints with 10 mm thick compressible board for isolation joints between slab and walls & 20 mm for columns etc. and cutting , filling of top 10 mm groves with Polysulphide sealant (Shore A Hardness 15-20; Make Sika/ Fosroc) of approved make as per manufacturers specification	m	187.31	Civil NSI / MR
Total				

Name of work: Execution of Miscellaneous Repair /Maintenance, upgradation and Construction works in Zone 3 – a cluster of central warehouses located at Chandigarh On Annual rate Contract basis				
SUB SCHEDULE A (II)				
DSR BASED ITEMS (E&M)				
SLNo	Description	Unit	Rate	Reference
	DSR Electrical			
1	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.			DSR Electrical 2022
1.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	327.00	DSR Electrical 2022
1.02	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	369.00	DSR Electrical 2022
1.03	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	428.00	DSR Electrical 2022

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1.04	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	589.00	DSR Electrical 2022
1.05	4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire	Metre	560.00	DSR Electrical 2022
1.06	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	Metre	677.00	DSR Electrical 2022
1.07	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	Metre	924.00	DSR Electrical 2022
2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.			DSR Electrical 2022
2.1	Group A	Point	1015.00	DSR Electrical 2022
2.2	Group B	Point	1182.00	DSR Electrical 2022
2.3	Group C	Point	1467.00	DSR Electrical 2022
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.			DSR Electrical 2022
3.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Metre	233.00	DSR Electrical 2022
3.02	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	275.00	DSR Electrical 2022
3.03	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	334.00	DSR Electrical 2022
3.04	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	439.00	DSR Electrical 2022
3.05	4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire	Metre	410.00	DSR Electrical 2022
3.06	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	Metre	537.00	DSR Electrical 2022
3.07	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	Metre	754.00	DSR Electrical 2022

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4	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required.			DSR Electrical 2022
4.1	Group A	Point	574.00	DSR Electrical 2022
4.2	Group B	Point	637.00	DSR Electrical 2022
4.3	Group C	Point	894.00	DSR Electrical 2022
5	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.			DSR Electrical 2022
5.01	1 x 1.5 sq. mm	Metre	45.00	DSR Electrical 2022
5.02	2x 1.5 sq. mm	Metre	70.00	DSR Electrical 2022
5.03	3 x 1.5 sq. mm	Metre	95.00	DSR Electrical 2022
5.04	4x 1.5 sq. mm	Metre	120.00	DSR Electrical 2022
5.05	5x 1.5 sq. mm	Metre	155.00	DSR Electrical 2022
5.06	6 x 1.5 sq. mm	Metre	181.00	DSR Electrical 2022
5.07	7 x 1.5 sq. mm	Metre	216.00	DSR Electrical 2022
5.08	8 x 1.5 sq. mm	Metre	241.00	DSR Electrical 2022
5.09	2 x 2.5 sq. mm	Metre	98.00	DSR Electrical 2022
5.10	3 x 2.5 sq. mm	Metre	137.00	DSR Electrical 2022
5.11	4 x 2.5 sq. mm	Metre	177.00	DSR Electrical 2022
5.12	5 x 2.5 sq. mm	Metre	226.00	DSR Electrical 2022
5.13	6 x 2.5 sq. mm	Metre	265.00	DSR Electrical 2022
5.14	7 x 2.5 sq. mm	Metre	314.00	DSR Electrical 2022
5.15	8 x 2.5 sq. mm	Metre	353.00	DSR Electrical 2022
5.16	2 x 4 sq. mm	Metre	147.00	DSR Electrical 2022
5.17	3 x 4 sq. mm	Metre	206.00	DSR Electrical 2022
5.18	4 x 4 sq. mm	Metre	275.00	DSR Electrical 2022
5.19	5 x 4 sq. mm	Metre	337.00	DSR Electrical 2022
5.20	6 x 4 sq. mm	Metre	396.00	DSR Electrical 2022
5.21	2 x 6 sq. nmm	Metre	216.00	DSR Electrical 2022
5.22	3 x 6 sq. mm	Metre	304.00	DSR Electrical 2022
5.23	4 x 6 sq. mm	Metre	402.00	DSR Electrical 2022
5.24	5 x 6 sq. mm	Metre	491.00	DSR Electrical 2022
5.25	6 x 6 sq. mm	Metre	598.00	DSR Electrical 2022

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6	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.			DSR Electrical 2022
6.1	20 mm	Metre	223.00	DSR Electrical 2022
6.2	25 mm	Metre	256.00	DSR Electrical 2022
7	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.			DSR Electrical 2022
7.1	20 mm	Metre	128.00	DSR Electrical 2022
7.2	25 mm	Metre	145.00	DSR Electrical 2022
8	Supplying and fixing following piano type switch/ socket on the existing switch box/ cover including connections etc. as required.			DSR Electrical 2022
8.01	5/6 amps switch	Each	52.00	DSR Electrical 2022
8.02	15/16 A switch	Each	121.00	DSR Electrical 2022
8.03	3 pin 5/6 A socket outlet	Each	69.00	DSR Electrical 2022
8.04	6 pin 15/16 A socket outlet	Each	137.00	DSR Electrical 2022
8.14	Bell push	Each	83.00	DSR Electrical 2022
9	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.			DSR Electrical 2022
9.1	5/6 A switch	Each	103.00	DSR Electrical 2022
9.2	15/16 A switch	Each	156.00	DSR Electrical 2022
9.3	3 pin 5/6 A socket outlet	Each	122.00	DSR Electrical 2022
9.4	6 pin 15/16 A socket outlet	Each	197.00	DSR Electrical 2022
9.5	Bell push	Each	140.00	DSR Electrical 2022
10	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	369.00	DSR Electrical 2022
11	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	40.00	DSR Electrical 2022

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12	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.			DSR Electrical 2022
12.1	1 or 2 Module (75mmX75mm)	Each	298.00	DSR Electrical 2022
12.2	3 Module (100mmX75mm)	Each	327.00	DSR Electrical 2022
12.3	4 Module (125mmX75mm)	Each	343.00	DSR Electrical 2022
12.4	6 Module (200mmX75mm)	Each	402.00	DSR Electrical 2022
12.5	8 Module (125mmX125mm)	Each	454.00	DSR Electrical 2022
12.6	12 Module (200mmX150mm)	Each	547.00	DSR Electrical 2022
13	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.			DSR Electrical 2022
13.1	1 or 2 Module	Each	133.00	DSR Electrical 2022
13.2	3 Module	Each	151.00	DSR Electrical 2022
13.3	4 Module	Each	158.00	DSR Electrical 2022
13.4	6 Module	Each	182.00	DSR Electrical 2022
13.5	8 Module	Each	211.00	DSR Electrical 2022
13.6	12 Module	Each	272.00	DSR Electrical 2022
14	Supplying and fixing metal box of 150mm X 75mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 A socket outlet and 5/6 A piano type switch, connections, painting etc. as required.	Each	358.00	DSR Electrical 2022
15	Supplying and fixing metal box of 180mm X 100mm X 60mm deep (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 & 15/16 A socket outlet and 15/16 A piano type switch, connections, painting etc. as required.	Each	488.00	DSR Electrical 2022
16	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	Each	477.00	DSR Electrical 2022

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17	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Each	586.00	DSR Electrical 2022
18	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	Each	87.00	DSR Electrical 2022
19	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	Each	99.00	DSR Electrical 2022
20	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	Each	339.00	DSR Electrical 2022
21	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.			DSR Electrical 2022
21.1	Upto 450 mm sweep	Each	450.00	DSR Electrical 2022
21.2	510 mm sweep	Each	643.00	DSR Electrical 2022
22	Extra for fixing the louvers/ shutters complete with frame for a exhaust fan of all sizes.	Each	207.00	DSR Electrical 2022
23	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required.			DSR Electrical 2022
23.1	1 run of cable	Metre	57.00	DSR Electrical 2022
23.2	2 run of cable	Metre	96.00	DSR Electrical 2022
23.3	3 run of cable	Metre	134.00	DSR Electrical 2022
24	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings).	Each	680.00	DSR Electrical 2022

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25	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	Each	727.00	DSR Electrical 2022
26	Supplying and fixing PVC batten/angle holder including connections etc. as required.	Each	110.00	DSR Electrical 2022
27	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.			DSR Electrical 2022
27.01	100 A, 16 KA,TPMCCB	Each	3777.00	DSR Electrical 2022
27.02	125 A, 16 KA,TPMCCB	Each	4821.00	DSR Electrical 2022
27.03	150 A, 16 KA,TPMCCB	Each	5992.00	DSR Electrical 2022
27.04	200 A, 16 KA,TPMCCB	Each	7691.00	DSR Electrical 2022
27.05	200 A, 25 KA,TPMCCB	Each	11016.00	DSR Electrical 2022
27.06	250 A, 25 KA,TPMCCB	Each	12984.00	DSR Electrical 2022
27.07	250 A, 35 KA,TPMCCB	Each	13881.00	DSR Electrical 2022
27.08	315 A, 35 KA,TPMCCB	Each	21586.00	DSR Electrical 2022
27.09	400 A, 35 KA,TPMCCB	Each	21586.00	DSR Electrical 2022
27.10	500 A, 35 KA,TPMCCB	Each	25554.00	DSR Electrical 2022
27.11	630 A, 50 KA,TPMCCB	Each	27860.00	DSR Electrical 2022
27.12	800 A, 50 KA,TPMCCB	Each	36160.00	DSR Electrical 2022
27.13	100 A,30KA,FPMCCB	Each	7723.00	DSR Electrical 2022
27.14	125 A,36KA,FPMCCB	Each	8209.00	DSR Electrical 2022
27.15	200 A,36KA,FPMCCB	Each	15206.00	DSR Electrical 2022
27.16	250 A,36KA,FPMCCB	Each	17510.00	DSR Electrical 2022
27.17	250 A,50KA,FPMCCB	Each	18411.00	DSR Electrical 2022
27.18	400 A,50KA,FPMCCB	Each	42665.00	DSR Electrical 2022
27.19	630 A,50KA,FPMCCB	Each	43092.00	DSR Electrical 2022
28	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)			DSR Electrical 2022
28.1	6 way , Double door	Each	2206.00	DSR Electrical 2022

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28.2	8 way , Double door	Each	2573.00	DSR Electrical 2022
28.3	12 way , Double door	Each	2315.00	DSR Electrical 2022
28.4	16 way, Double door	Each	3141.00	DSR Electrical 2022
29	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MOB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)			DSR Electrical 2022
29.1	4 way (4 + 12), Double door	Each	4091.00	DSR Electrical 2022
29.2	6 way (4 + 18), Double door	Each	4974.00	DSR Electrical 2022
29.3	8 way (4 + 24), Double door	Each	5967.00	DSR Electrical 2022
30	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MOB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MOB TPDB is normally used where 3 phase outlets are required.)			DSR Electrical 2022
30.1	4 way (4 + 12), Double door	Each	7512.00	DSR Electrical 2022
30.2	8 way (4 + 24), Double door	Each	10165.00	DSR Electrical 2022
30.3	12 way (4 + 36), Double door	Each	12833.00	DSR Electrical 2022
31	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MOB DB complete with connections, testing and commissioning etc. as required.			DSR Electrical 2022
31.1	Single pole	Each	256.00	DSR Electrical 2022
31.2	Single pole and neutral	Each	599.00	DSR Electrical 2022
31.3	Double pole	Each	656.00	DSR Electrical 2022
31.4	Triple pole	Each	1007.00	DSR Electrical 2022
31.5	Triple pole and neutral	Each	1228.00	DSR Electrical 2022
32	Supplying and fixing single pole blanking plate in the existing MOB DB complete etc. as required.	Each	13.00	DSR Electrical 2022

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33	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MOB DB complete with connections, testing and commissioning etc. as required.			DSR Electrical 2022
33.1	40A	Each	435.00	DSR Electrical 2022
33.2	63A	Each	527.00	DSR Electrical 2022
34	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MOB DB complete with connections, testing and commissioning etc. as required.			DSR Electrical 2022
34.1	40A	Each	970.00	DSR Electrical 2022
34.2	63A	Each	1034.00	DSR Electrical 2022
34.3	100A	Each	1227.00	DSR Electrical 2022
35	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.			DSR Electrical 2022
35.1	25A	Each	2028.00	DSR Electrical 2022
35.2	40A	Each	2642.00	DSR Electrical 2022
35.3	63A	Each	2722.00	DSR Electrical 2022
36	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.			DSR Electrical 2022
36.1	25A	Each	2586.00	DSR Electrical 2022
36.2	40A	Each	3188.00	DSR Electrical 2022
36.3	63A	Each	2872.00	DSR Electrical 2022
37	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32 A 240 V "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	Each	1169.00	DSR Electrical 2022

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38	Supplying and fixing TP sheet steel enclosure on surface/ recess along with 16/25/32 A 415 V "C" curve TP MCB complete with connections, testing and commissioning etc. as required.	Each	1592.00	DSR Electrical 2022
39	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	1621.00	DSR Electrical 2022
40	Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	Each	269.00	DSR Electrical 2022
41	Providing and fixing H.T. danger notice plate of 250 mm X 200 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	Each	292.00	DSR Electrical 2022
42	Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.			DSR Electrical 2022
42.01	100 mm width X 50 mm depth X 1.6 mm thickness	Metre	543.00	DSR Electrical 2022
42.02	150 mm width X 50 mm depth X 1.6 mm thickness	Metre	604.00	DSR Electrical 2022
42.03	200 mm width X 50 mm depth X 1.6 mm thickness	Metre	689.00	DSR Electrical 2022
42.04	300 mm width X 50 mm depth X 1.6 mm thickness	Metre	777.00	DSR Electrical 2022

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43	Supplying and installing following size of perforated painted with powder coating M.S. cable trays bends with perforation not more than 17.5%,, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.			DSR Electrical 2022
43.01	100 mm width X 50 mm depth X 1.6 mm thickness	Each	868.00	DSR Electrical 2022
43.02	150 mm width X 50 mm depth X 1.6 mm thickness	Each	1018.00	DSR Electrical 2022
43.03	200 mm width X 50 mm depth X 1.6 mm thickness	Each	1227.00	DSR Electrical 2022
43.04	300 mm width X 50 mm depth X 1.6 mm thickness	Each	1438.00	DSR Electrical 2022
44	Supplying and installing following size of perforated painted with powder coating M.S. cable trays Tee with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.			DSR Electrical 2022
44.01	100 mm width X 50 mm depth X 1.6 mm thickness	Each	1003.00	DSR Electrical 2022
44.02	150 mm width X 50 mm depth X 1.6 mm thickness	Each	1186.00	DSR Electrical 2022
44.03	225 mm width X 50 mm depth X 1.6 mm thickness	Each	1446.00	DSR Electrical 2022
44.04	300 mm width X 50 mm depth X 1.6 mm thickness	Each	1708.00	DSR Electrical 2022
45	Supplying and installing following size of perforated painted with powder coating M.S. cable trays Cross Member with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.			DSR Electrical 2022
45.01	100 mm width X 50 mm depth X 1.6 mm thickness	Each	1139.00	DSR Electrical 2022
45.02	150 mm width X 50 mm depth X 1.6 mm thickness	Each	1356.00	DSR Electrical 2022
45.03	225 mm width X 50 mm depth X 1.6 mm thickness	Each	1667.00	DSR Electrical 2022
45.04	300 mm width X 50 mm depth X 1.6 mm thickness	Each	1979.00	DSR Electrical 2022

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46	Supplying and installing following size of perforated painted with powder coating M.S. cable trays Reducer with perforation not more than 17.5%, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.			DSR Electrical 2022
46.01	100 mm width X 50 mm depth X 1.6 mm thickness	Each	1003.00	DSR Electrical 2022
46.02	150 mm width X 50 mm depth X 1.6 mm thickness	Each	1186.00	DSR Electrical 2022
46.03	225 mm width X 50 mm depth X 1.6 mm thickness	Each	1456.00	DSR Electrical 2022
46.04	300 mm width X 50 mm depth X 1.6 mm thickness	Each	1718.00	DSR Electrical 2022
47	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray (Galvanisation thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.			DSR Electrical 2022
47.01	100 mm width X 50 mm depth X 1.6 mm thickness	Metre	669.00	DSR Electrical 2022
47.02	150 mm width X 50 mm depth X 1.6 mm thickness	Metre	716.00	DSR Electrical 2022
47.03	225 mm width X 50 mm depth X 1.6 mm thickness	Metre	895.00	DSR Electrical 2022
47.04	300 mm width X 50 mm depth X 1.6 mm thickness	Metre	963.00	DSR Electrical 2022
48	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "bends" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.			DSR Electrical 2022
48.01	100 mm width X 50 mm depth X 1.6 mm thickness	Each	1159.00	DSR Electrical 2022
48.02	150 mm width X 50 mm depth X 1.6 mm thickness	Each	1270.00	DSR Electrical 2022
48.03	225 mm width X 50 mm depth X 1.6 mm thickness	Each	1694.00	DSR Electrical 2022

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48.04	300 mm width X 50 mm depth X 1.6 mm thickness	Each	1852.00	DSR Electrical 2022
49	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "Tee" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.			DSR Electrical 2022
49.01	100 mm width X 50 mm depth X 1.6 mm thickness	Each	1327.00	DSR Electrical 2022
49.02	150 mm width X 50 mm depth X 1.6 mm thickness	Each	1383.00	DSR Electrical 2022
49.03	225 mm width X 50 mm depth X 1.6 mm thickness	Each	1967.00	DSR Electrical 2022
49.04	300 mm width X 50 mm depth X 1.6 mm thickness	Each	2156.00	DSR Electrical 2022
50	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "Cross member" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc as required.			DSR Electrical 2022
50.01	100 mm width X 50 mm depth X 1.6 mm thickness	Each	1327.00	DSR Electrical 2022
50.02	150 mm width X 50 mm depth X 1.6 mm thickness	Each	1383.00	DSR Electrical 2022
50.03	225 mm width X 50 mm depth X 1.6 mm thickness	Each	1987.00	DSR Electrical 2022
50.04	300 mm width X 50 mm depth X 1.6 mm thickness	Each	2366.00	DSR Electrical 2022
51	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "Reducer" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc as required.			DSR Electrical 2022
51.01	100 mm width X 50 mm depth X 1.6 mm thickness	Each	1655.00	DSR Electrical 2022

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51.02	150 mm width X 50 mm depth X 1.6 mm thickness	Each	1921.00	DSR Electrical 2022
51.03	225 mm width X 50 mm depth X 1.6 mm thickness	Each	2421.00	DSR Electrical 2022
51.04	300 mm width X 50 mm depth X 1.6 mm thickness	Each	2823.00	DSR Electrical 2022
52	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	Each	6855.00	DSR Electrical 2022
53	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	Set	7472.00	DSR Electrical 2022
54	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	Set	13838.00	DSR Electrical 2022
55	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	Metre	51.00	DSR Electrical 2022
56	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)	Metre	972.00	DSR Electrical 2022

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57	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	Metre	144.00	DSR Electrical 2022
58	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	Metre	1551.00	DSR Electrical 2022
59	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	Metre	706.00	DSR Electrical 2022
60	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	Metre	287.00	DSR Electrical 2022
61	Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15 mm dia G.I. pipe from earth electrode including connection with copper thimble excavation and re-filling as required.	Metre	369.00	DSR Electrical 2022
62	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	Metre	1162.00	DSR Electrical 2022
63	Providing and fixing 25 mm X 5 mm GI. strip on surface or in recess for connections etc. as required.	Metre	244.00	DSR Electrical 2022
64	Providing and fixing 6 SWG dia GI. wire on surface or in recess for loop earthing as required.	Metre	70.00	DSR Electrical 2022
65	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	Metre	155.00	DSR Electrical 2022
66	Providing and fixing 6 SWG dia GI. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ subnain wiring/ cable as required.	Metre	42.00	DSR Electrical 2022

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67	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Metre	127.00	DSR Electrical 2022
68	Providing and fixing earth bus of 50 mm X 5 mm copper strip on surface for connections etc. as required.	Metre	2113.00	DSR Electrical 2022
69	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	Each	518.00	DSR Electrical 2022
70	Fixing of lightning conductor finial (single prong) with base plate including holes etc. complete as required.	Each	339.00	DSR Electrical 2022
71	Jointing copper/ G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.	Each	113.00	DSR Electrical 2022
72	Providing and fixing GI. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	Metre	126.00	DSR Electrical 2022
73	Providing and fixing GI. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	Metre	197.00	DSR Electrical 2022
74	Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	Metre	80.00	DSR Electrical 2022
75	Fixing of copper/ G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	Metre	162.00	DSR Electrical 2022
76	Providing and laying GI tape 32 mm X 6 mm from earth electrode directly in ground as required.	Metre	195.00	DSR Electrical 2022
77	Laying copper/ G.I. tape 32 mm X 6 mm from earth electrode directly in ground as required.	Metre	75.00	DSR Electrical 2022

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78	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.			DSR Electrical 2022
78.1	Upto 35 sq. mm	Metre	387.00	DSR Electrical 2022
78.2	Above 35 sq. mm and upto 95 sq. mm	Metre	405.00	DSR Electrical 2022
78.3	Above 95 sq. mm and upto 185 sq. mm	Metre	422.00	DSR Electrical 2022
78.4	Above 185 sq. mm and upto 400 sq. mm	Metre	474.00	DSR Electrical 2022
79	Laying of one number additional PVC insulated and PVC sheathed! XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required.			DSR Electrical 2022
79.1	Upto 35 sq. mm	Metre	269.00	DSR Electrical 2022
79.2	Above 35 sq. mm and upto 95 sq. mm	Metre	286.00	DSR Electrical 2022
79.3	Above 95 sq. mm and upto 185 sq. mm	Metre	304.00	DSR Electrical 2022
79.4	Above 185 sq. mm and upto 400 sq. mm	Metre	356.00	DSR Electrical 2022
80	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.			DSR Electrical 2022
80.1	Upto 35 sq. mm	Metre	200.00	DSR Electrical 2022
80.2	Above 35 sq. mm and upto 95 sq. mm	Metre	217.00	DSR Electrical 2022
80.3	Above 95 sq. mm and upto 185 sq. mm	Metre	234.00	DSR Electrical 2022
80.4	Above 185 sq. mm and upto 400 sq. mm	Metre	287.00	DSR Electrical 2022
81	Laying of one number additional PVC insulated and PVC sheathed! XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.			DSR Electrical 2022

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81.1	Upto 35 sq. mm	Metre	126.00	DSR Electrical 2022
81.2	Above 35 sq. mm and upto 95 sq. mm	Metre	143.00	DSR Electrical 2022
81.3	Above 95 sq. mm and upto 185 sq. mm	Metre	161.00	DSR Electrical 2022
81.4	Above 185 sq. mm and upto 400 sq. mm	Metre	213.00	DSR Electrical 2022
82	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.			DSR Electrical 2022
82.1	Upto 35 sq. mm	Metre	37.00	DSR Electrical 2022
82.2	Above 35 sq. mm and upto 95 sq. mm	Metre	57.00	DSR Electrical 2022
82.3	Above 95 sq. mm and upto 185 sq. mm	Metre	77.00	DSR Electrical 2022
82.4	Above 185 sq. mm and upto 400 sq. mm	Metre	134.00	DSR Electrical 2022
83	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required.			DSR Electrical 2022
83.1	Upto 35 sq. mm	Metre	28.00	DSR Electrical 2022
83.2	Above 35 sq. mm and upto 95 sq. mm	Metre	45.00	DSR Electrical 2022
83.3	Above 95 sq. mm and upto 185 sq. mm	Metre	63.00	DSR Electrical 2022
83.4	Above 185 sq. mm and upto 400 sq. mm	Metre	115.00	DSR Electrical 2022
84	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.			DSR Electrical 2022
84.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	Metre	55.00	DSR Electrical 2022
84.2	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	Metre	130.00	DSR Electrical 2022
84.3	Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	Metre	153.00	DSR Electrical 2022
84.4	Above 185 sq. mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp)	Metre	226.00	DSR Electrical 2022
85	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required.			DSR Electrical 2022

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85.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	Each	44.00	DSR Electrical 2022
85.2	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	Metre	92.00	DSR Electrical 2022
85.3	Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	Metre	115.00	DSR Electrical 2022
85.4	Above 185 sq. mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp)	Metre	185.00	DSR Electrical 2022
86	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	Each	508.00	DSR Electrical 2022
87	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.			DSR Electrical 2022
87.1	Upto 120 sq. mm	Metre	525.00	DSR Electrical 2022
87.2	Above 120 sq. mm and upto 400 sq. mm	Metre	577.00	DSR Electrical 2022
88	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required.			DSR Electrical 2022
88.1	Upto 120 sq. mm	Metre	362.00	DSR Electrical 2022
88.2	Above 120 sq. mm and upto 400 sq. mm	Metre	415.00	DSR Electrical 2022
89	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.			DSR Electrical 2022
89.1	Upto 120 sq. mm	Metre	77.00	DSR Electrical 2022
89.2	Above 120 sq. mm and upto 400 sq. mm	Metre	134.00	DSR Electrical 2022

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90	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of following size in the existing masonry open duct as required.			DSR Electrical 2022
90.1	Upto 120 sq. mm	Metre	63.00	DSR Electrical 2022
90.2	Above 120 sq. mm and upto 400 sq. mm	Metre	115.00	DSR Electrical 2022
91	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.			DSR Electrical 2022
91.01	2 X 6 sq. mm (19mm)	Each	240.00	DSR Electrical 2022
91.02	2 X 10 sq. mm (19mm)	Each	241.00	DSR Electrical 2022
91.03	2 X 16 sq. mm (22mm)	Each	256.00	DSR Electrical 2022
91.04	2 X 25 sq. mm (22mm)	Each	259.00	DSR Electrical 2022
91.05	2 X 35 sq. mm (25mm)	Each	310.00	DSR Electrical 2022
91.06	2 X 50 sq. mm (28mm)	Each	351.00	DSR Electrical 2022
91.07	3 X 10 sq. mm (22mm)	Each	257.00	DSR Electrical 2022
91.08	3 X 16 sq. mm (25mm)	Each	270.00	DSR Electrical 2022
91.09	3 X 25 sq. mm (25mm)	Each	275.00	DSR Electrical 2022
91.10	3 X 35 sq. mm (28mm)	Each	351.00	DSR Electrical 2022
91.11	3 X 50 sq. mm (32mm)	Each	373.00	DSR Electrical 2022
91.12	3 X 70 sq. mm (35mm)	Each	424.00	DSR Electrical 2022
91.13	3 X 95 sq. mm (38mm)	Each	542.00	DSR Electrical 2022
91.14	3 X 120 sq. mm (45mm)	Each	597.00	DSR Electrical 2022
91.15	3 X 150 sq. mm (50mm)	Each	681.00	DSR Electrical 2022
91.16	3 X 185 sq. mm (57mm)	Each	858.00	DSR Electrical 2022
91.17	3 X 225 sq. mm (62mm)	Each	972.00	DSR Electrical 2022
91.18	3 X 240 sq. mm (62mm)	Each	1004.00	DSR Electrical 2022
91.19	3 X 300 sq. mm (70mm)	Each	1165.00	DSR Electrical 2022
91.20	3.5 X 25 sq. mm (28mm)	Each	313.00	DSR Electrical 2022
91.21	3.5 X 35 sq. mm (32mm)	Each	369.00	DSR Electrical 2022
91.22	3.5 X 50 sq. mm (35mm)	Each	413.00	DSR Electrical 2022
91.23	3.5 X 70 sq. mm (38mm)	Each	468.00	DSR Electrical 2022
91.24	3.5 X 95 sq. mm (45mm)	Each	588.00	DSR Electrical 2022
91.25	3.5 X 120 sq. mm (45mm)	Each	613.00	DSR Electrical 2022
91.26	3.5 X 150 sq. mm (50mm)	Each	697.00	DSR Electrical 2022
91.27	3.5 X 185 sq. mm (57mm)	Each	875.00	DSR Electrical 2022
91.28	3.5 X 225 sq. mm (62mm)	Each	994.00	DSR Electrical 2022
91.29	3.5 X 240 sq. mm (62mm)	Each	1027.00	DSR Electrical 2022

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91.30	3.5 X 300 sq. mm (70mm)	Each	1195.00	DSR Electrical 2022
91.31	3.5 X 400 sq. mm (82mm)	Each	1556.00	DSR Electrical 2022
91.32	4 X 10 sq. mm (25mm)	Each	269.00	DSR Electrical 2022
91.33	4 X 16 sq. mm (28mm)	Each	309.00	DSR Electrical 2022
91.34	4 X 25 sq. mm (28mm)	Each	315.00	DSR Electrical 2022
91.35	4 X 35 sq. mm (32mm)	Each	370.00	DSR Electrical 2022
91.36	4 X 50 sq. mm (35mm)	Each	418.00	DSR Electrical 2022
92	Supplying and making outdoor end termination with cast resin compound including aluminium lugs and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.			DSR Electrical 2022
92.01	2 X 16 sq. mm	Each	1310.00	DSR Electrical 2022
92.02	2 X 25 sq. mm	Each	1410.00	DSR Electrical 2022
92.03	2 X 35 sq. mm	Each	1410.00	DSR Electrical 2022
92.04	2 X 50 sq. mm	Each	1410.00	DSR Electrical 2022
92.05	3 X 16 sq. mm	Each	1410.00	DSR Electrical 2022
92.06	3 X 25 sq. mm	Each	1410.00	DSR Electrical 2022
92.07	3 X 35 sq. mm	Each	1410.00	DSR Electrical 2022
92.08	3 X 50 sq. mm	Each	1503.00	DSR Electrical 2022
92.09	3 X 70 sq. mm	Each	1503.00	DSR Electrical 2022
92.10	3 X 95 sq. mm	Each	1799.00	DSR Electrical 2022
92.11	3 X 120 sq. mm	Each	1799.00	DSR Electrical 2022
92.12	3 X 150 sq. mm	Each	1799.00	DSR Electrical 2022
92.13	3 X 185 sq. mm	Each	2392.00	DSR Electrical 2022
92.14	3 X 225 sq. mm	Each	2392.00	DSR Electrical 2022
92.15	3 X 240 sq. mm	Each	2761.00	DSR Electrical 2022
92.16	3 X 300 sq. mm	Each	2761.00	DSR Electrical 2022
92.17	3.5 X 25 sq. mm	Each	1410.00	DSR Electrical 2022
92.18	3.5 X 35 sq. mm	Each	1503.00	DSR Electrical 2022
92.19	3.5 X 50 sq. mm	Each	1503.00	DSR Electrical 2022
92.20	3.5 X 70 sq. mm	Each	1645.00	DSR Electrical 2022
92.21	3.5 X 95 sq. mm	Each	1799.00	DSR Electrical 2022
92.22	3.5 X 120 sq. mm	Each	1799.00	DSR Electrical 2022
92.23	3.5 X 150 sq. mm	Each	2392.00	DSR Electrical 2022
92.24	3.5 X 185 sq. mm	Each	1889.00	DSR Electrical 2022
92.25	3.5 X 225 sq. mm	Each	2761.00	DSR Electrical 2022
92.26	3.5 X 240 sq. mm	Each	2761.00	DSR Electrical 2022
92.27	3.5 X 300 sq. mm	Each	3088.00	DSR Electrical 2022
92.28	3.5 X 400 sq. mm	Each	3521.00	DSR Electrical 2022
92.29	4 X 16 sq. mm	Each	1410.00	DSR Electrical 2022

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92.30	4 X 25 sq. mm	Each	1410.00	DSR Electrical 2022
92.31	4 X 35 sq. mm	Each	1503.00	DSR Electrical 2022
92.32	4 X 50 sq. mm	Each	1503.00	DSR Electrical 2022
93	Supplying and making straight through joint with cast resin compound including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.			DSR Electrical 2022
93.01	2 X 16 sq. mm	Each	2673.00	DSR Electrical 2022
93.02	2 X 25 sq. mm	Each	2673.00	DSR Electrical 2022
93.03	2 X 35 sq. mm	Each	2673.00	DSR Electrical 2022
93.04	2 X 50 sq. mm	Each	3040.00	DSR Electrical 2022
93.05	3 X 16 sq. mm	Each	3040.00	DSR Electrical 2022
93.06	3 X 25 sq. mm	Each	2673.00	DSR Electrical 2022
93.07	3 X 35 sq. mm	Each	2673.00	DSR Electrical 2022
93.08	3 X 50 sq. mm	Each	3040.00	DSR Electrical 2022
93.09	3 X 70 sq. mm	Each	3542.00	DSR Electrical 2022
93.10	3 X 95 sq. mm	Each	3779.00	DSR Electrical 2022
93.11	3 X 120 sq. mm	Each	4231.00	DSR Electrical 2022
93.12	3 X 150 sq. mm	Each	4231.00	DSR Electrical 2022
93.13	3 X 185 sq. mm	Each	5017.00	DSR Electrical 2022
93.14	3 X 225 sq. mm	Each	5668.00	DSR Electrical 2022
93.15	3 X 240 sq. mm	Each	5668.00	DSR Electrical 2022
93.16	3 X 300 sq. mm	Each	7299.00	DSR Electrical 2022
93.17	3.5 X 25 sq. mm	Each	3040.00	DSR Electrical 2022
93.18	3.5 X 35 sq. mm	Each	3040.00	DSR Electrical 2022
93.19	3.5 X 50 sq. mm	Each	3542.00	DSR Electrical 2022
93.20	3.5 X 70 sq. mm	Each	3572.00	DSR Electrical 2022
93.21	3.5 X 95 sq. mm	Each	4231.00	DSR Electrical 2022
93.22	3.5 X 120 sq. mm	Each	5017.00	DSR Electrical 2022
93.23	3.5 X 150 sq. mm	Each	5017.00	DSR Electrical 2022
93.24	3.5 X 185 sq. mm	Each	5668.00	DSR Electrical 2022
93.25	3.5 X 225 sq. mm	Each	5769.00	DSR Electrical 2022
93.26	3.5 X 240 sq. mm	Each	6972.00	DSR Electrical 2022
93.27	3.5 X 300 sq. mm	Each	8554.00	DSR Electrical 2022
93.28	3.5 X 400 sq. mm	Each	5038.00	DSR Electrical 2022
93.29	4 X 16 sq. mm	Each	2673.00	DSR Electrical 2022
93.30	4 X 25 sq. mm	Each	3040.00	DSR Electrical 2022
93.31	4 X 35 sq. mm	Each	3040.00	DSR Electrical 2022
93.32	4 X 50 sq. mm	Each	3542.00	DSR Electrical 2022

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94	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.			DSR Electrical 2022
94.01	2 X 16 sq. mm	Each	2168.00	DSR Electrical 2022
94.02	2 X 25 sq. mm	Each	2478.00	DSR Electrical 2022
94.03	2 X 35 sq. mm	Each	2478.00	DSR Electrical 2022
94.04	2 X 50 sq. mm	Each	2478.00	DSR Electrical 2022
94.05	3 X 16 sq. mm	Each	2168.00	DSR Electrical 2022
94.06	3 X 25 sq. mm	Each	2478.00	DSR Electrical 2022
94.07	3 X 35 sq. mm	Each	2478.00	DSR Electrical 2022
94.08	3 X 50 sq. mm	Each	2478.00	DSR Electrical 2022
94.09	3 X 70 sq. mm	Each	3363.00	DSR Electrical 2022
94.10	3 X 95 sq. mm	Each	3517.00	DSR Electrical 2022
94.11	3 X 120 sq. mm	Each	4538.00	DSR Electrical 2022
94.12	3 X 150 sq. mm	Each	4538.00	DSR Electrical 2022
94.13	3 X 185 sq. mm	Each	4538.00	DSR Electrical 2022
94.14	3 X 225 sq. mm	Each	4919.00	DSR Electrical 2022
94.15	3 X 240 sq. mm	Each	4919.00	DSR Electrical 2022
94.16	3 X 300 sq. mm	Each	6107.00	DSR Electrical 2022
94.17	3.5 X 25 sq. mm	Each	2478.00	DSR Electrical 2022
94.18	3.5 X 35 sq. mm	Each	2478.00	DSR Electrical 2022
94.19	3.5 X 50 sq. mm	Each	2478.00	DSR Electrical 2022
94.20	3.5 X 70 sq. mm	Each	3363.00	DSR Electrical 2022
94.21	3.5 X 95 sq. mm	Each	3517.00	DSR Electrical 2022
94.22	3.5 X 120 sq. mm	Each	4538.00	DSR Electrical 2022
94.23	3.5 X 150 sq. mm	Each	4538.00	DSR Electrical 2022
94.24	3.5 X 185 sq. mm	Each	4538.00	DSR Electrical 2022
94.25	3.5 X 225 sq. mm	Each	4919.00	DSR Electrical 2022
94.26	3.5 X 240 sq. mm	Each	4919.00	DSR Electrical 2022
94.27	3.5 X 300 sq. mm	Each	6107.00	DSR Electrical 2022
94.28	3.5 X 400 sq. mm	Each	7966.00	DSR Electrical 2022
94.29	4 X 16 sq. mm	Each	2168.00	DSR Electrical 2022
94.30	4 X 25 sq. mm	Each	2478.00	DSR Electrical 2022
94.31	4 X 35 sq. mm	Each	3363.00	DSR Electrical 2022
94.32	4 X 50 sq. mm	Each	3363.00	DSR Electrical 2022

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95	Supplying and making indoor cable end jointing with cast resin compound, including lugs and other jointing materials, for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required:			DSR Electrical 2022
95.1	70 sq. mm	Each	2075.00	DSR Electrical 2022
95.2	120 sq. mm	Each	2653.00	DSR Electrical 2022
95.3	240 sq. nmm	Each	3549.00	DSR Electrical 2022
95.4	300 sq. mm	Each	3609.00	DSR Electrical 2022
96	Supplying and making outdoor cable end jointing with cast resin compound, including lugs and other jointing materials, for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required:			DSR Electrical 2022
96.1	70 sq. mm	Each	4769.00	DSR Electrical 2022
96.2	120 sq. mm	Each	5398.00	DSR Electrical 2022
96.3	240 sq. mm	Each	6293.00	DSR Electrical 2022
96.4	300 sq. mm	Each	6293.00	DSR Electrical 2022
97	Supplying and making straight through cable jointing with cast resin compound, including ferrule and other jointing materials, for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required:			DSR Electrical 2022
97.1	70 sq. mm	Each	4526.00	DSR Electrical 2022
97.2	120 sq. mm	Each	5137.00	DSR Electrical 2022
97.3	240 sq. mm	Each	7615.00	DSR Electrical 2022
97.4	300 sq. mm	Each	8667.00	DSR Electrical 2022
98	supplying and making indoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required:			DSR Electrical 2022
98.1	70 sq. mm	Each	12181.00	DSR Electrical 2022
98.2	120 sq. mm	Each	14968.00	DSR Electrical 2022
98.3	240 sq. mm	Each	16249.00	DSR Electrical 2022
98.4	300 sq. mm	Each	16249.00	DSR Electrical 2022

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99	Supplying and making outdoor cable end termination with heat shrinkable jointing kit complete with all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required:			DSR Electrical 2022
99.1	70 sq. mm	Each	18248.00	DSR Electrical 2022
99.2	120 sq. mm	Each	20100.00	DSR Electrical 2022
99.3	240 sq. mm	Each	22795.00	DSR Electrical 2022
99.4	300 sq. mm	Each	22795.00	DSR Electrical 2022
100	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrules suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required:			DSR Electrical 2022
100.1	70 sq. mm	Each	29141.00	DSR Electrical 2022
100.2	120 sq. mm	Each	38083.00	DSR Electrical 2022
100.3	240 sq. mm	Each	41892.00	DSR Electrical 2022
100.4	300 sq. mm	Each	41892.00	DSR Electrical 2022
101	Dismantling of pole/ street light standard/ strut embedded in cement concrete foundation etc. as required.	Each	2662.00	DSR Electrical 2022
102	Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling etc as required			DSR Electrical 2022
102.1	50 mm dia	Metre	654.20	DSR Electrical 2022
102.2	80 mm dia	Metre	919.10	DSR Electrical 2022
102.3	100 mm dia	Metre	1806.00	DSR Electrical 2022
102.4	150 mm dia	Metre	2740.00	DSR Electrical 2022
103	Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing with cement mortar 1:2 (1 cement: 2 fine sand) including trenching (75 cm deep) and refilling etc as required.			DSR Electrical 2022
103.1	100 mm dia	Metre	662.00	DSR Electrical 2022
103.2	150 mm dia	Metre	724.00	DSR Electrical 2022
103.3	250 mm dia	Metre	975.00	DSR Electrical 2022
103.4	300 mm dia	Metre	1140.00	DSR Electrical 2022

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104	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. in the existing trench, complete as required.			DSR Electrical 2022
104.1	63 mm dia (00-63 mm & ID-51 mm nominal)	Metre	127.00	DSR Electrical 2022
104.2	90 mm dia (OD-90 mm & ID-76 mm nominal)	Metre	171.00	DSR Electrical 2022
104.3	120 mm dia (00-120 mm & ID-103 mm nominal)	Metre	248.00	DSR Electrical 2022
104.4	160 mm dia (OD-160 mm & ID-135 mm nominal)	Metre	361.00	DSR Electrical 2022
104.5	200 mm dia (00-200 mm & ID-175 mm nominal)	Metre	548.00	DSR Electrical 2022
105	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.			DSR Electrical 2022
105.1	63 mm dia (OD-63 mm & ID-51 mm nominal)	Metre	247.00	DSR Electrical 2022
105.2	90 mm dia (OD-90 mm & ID-76 mm nominal)	Metre	292.00	DSR Electrical 2022
105.3	120 mm dia (00-120 mm & ID-103 mm nominal)	Metre	368.00	DSR Electrical 2022
105.4	160 mm dia (00-160 mm & ID-135 mm nominal)	Metre	481.00	DSR Electrical 2022
105.5	200 mm dia (00-200 mm & ID-175 mm nominal)	Metre	668.00	DSR Electrical 2022
106	Supplying, installation, testing and commissioning of Passive Infrared (PIR) technology based occupancy sensor having high performance, non regulating programmable type, suitable for connected load upto 10Amp , for mounting height up to 2.8 mtr and for 5 m diameter coverage area along with necessary fixing arrangements i/c programming at site etc. complete as required.	Each	4602.00	DSR Electrical 2022

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107	Supplying,installation,testing and commissioning of Passive Infrared(PIR) technology based occupancy sensor with day light dimming(lighting level shall be regulated as per availability of natural day light in an area along with occupancy detection.) having high performance, regulating programmable type, suitable for connected load upto 10Amp , for mounting height up to 2.8 mtr and for 5 m diameter coverage area along with necessary fixing arrangements i/c programming at site etc. complete as required.	Each	9171.00	DSR Electrical 2022
108	Supplying,installation,testing and commissioning of Microwave technology based occupancy sensor having high performance, non regulating programmable type, suitable for connected load upto 10Amp , for mounting height up to 2.6 mtr and for 5m X 20m coverage area along with necessary fixing arrangements i/c programming at site etc. complete as required.	Each	11893.00	DSR Electrical 2022
109	Supplying,installation,testing and commissioning of Astronomical time switch of following configuration to be mounted in feeder pillars / Lighting DBs for automatic switching On & OFF of street lights at sun set & sun rise or twilight(Auto ON, Auto OFF, Auto modes) with manual override facility with 12/24 hour display format with suitable battery and indication for relay status i/c programming at site complete as required.			DSR Electrical 2022
109.1	1 output per phase and suitable for single phase supply	Each	4389.00	DSR Electrical 2022
109.2	2 output per phase and suitable for single phase supply	Each	8557.00	DSR Electrical 2022
109.3	3output(1output per phase) and suitable for three phase supply	Each	10597.00	DSR Electrical 2022

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110	Supplying, installation, testing & commissioning of heat detector operating at 54°C/57°C with rate of rise cum fixed temperature (dual thermistor) type with mounting base complete with all connection etc. as required.	Each	1071.00	DSR Electrical 2022
111	Supplying, installation, testing & commissioning of smoke detector with builtin LED and mounting base complete with all connections etc. as required.	Each	1153.00	DSR Electrical 2022
112	Supplying, installation, testing & commissioning of manual call boxes of MS construction in surface/recess with stainless steel chain & hammer assembly complete with glass and push button etc. as required.	Each	474.00	DSR Electrical 2022
113	Supplying, installation, testing & commissioning of manual call box of ABS type in surface/recess with stainless steel chain & hammer assembly complete with glass and push button etc. as required.	Each	408.00	DSR Electrical 2022
114	Supplying, installation, testing & commissioning response indicator on surface/recess MS box having two LEDs metallic cover complete with all connections etc. as required.	Each	196.00	DSR Electrical 2022
115	Supplying, installation, testing & commissioning fire alarm sounder with facility to make announcement, mounted in M.S. box (16 SWG) with hinged cover plate & suitable for operation with amplifier i/c line matching transformer etc. complete as required.	Each	557.00	DSR Electrical 2022
116	Supplying, installation, testing & commissioning fire alarm sounder with facility to make announcement, mounted in A.B.S. box with hinged cover plate & suitable for operation with amplifier i/c line matching transformer etc. complete as required.	Each	491.00	DSR Electrical 2022

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117	Supplying, installation, testing & commissioning talk back slave station in surface/recess suitable for operation on simplex mode complete with P.T.T. knob & speaker/microphone enclosed in a M.S.(16 SWG)/ ABS box with break glass in front etc. complete as required.	Each	905.00	DSR Electrical 2022
118	Supplying, installation, testing & commissioning sector panel suitable for following zones, complete with visual indications for short circuit fault, open circuit fault, fire condition and all other standard facilities as per IS:2189 with mimic diagram for all area/zone covered, complete with all connections, interconnections as required.			DSR Electrical 2022
118.1	4 Zone	Each	8866.00	DSR Electrical 2022
118.2	6 Zone	Each	12178.00	DSR Electrical 2022
118.3	10 Zone	Each	16287.00	DSR Electrical 2022

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119	<p>Supplying, installation, testing & commissioning of main control and indicating panel made out of 16 SWG MS sheet to accommodate the following items duly powder coated in approved colour with louvers for ventilation, locking arrangement, audio and visual indication for fire alarm and public address system, monitoring system including connections, interconnections etc complete as required. 10 Zone panel for fire alarm system 250 Watt amplifier racks suitable for operation on 230V AC/24V DC supply conforming to IEC-268-3 complete with all accessories as required - 2 Nos.(one to act as standby) Talk back master station with LED PTT (press to talk) push button for operation on 230V AC/24 V DC supply conforming to IEC-268 for simplex mode of operation/communication suitable for 20 Nos.talk back unit -1 set. Annoucement control desk suitable for selection of different zones selectively and ON ALL CALL switch with visual indication etc. complete as required -1 set. Amplifier change over switch for inter changing amplifier -1 No. Monitor panel for loudspeaker complete with output selector, ON/OFF switch, fuse, visual indications etc. complete as required- 1 No. Gooseneck microphone with stand and ON/OFF switch- 1 No. Main ON/OFF switch, fuse indication lamps, DC and AC voltmeters & ammeters, terminal blocks etc. complete as required -1 set. Battery charger trickle cum boost to take complete load of fire alarm & PA system complete with all accessories including providing & fixing of 2 nos.12 volt, 60 AH each sealed maintenance free batteries -1 set.</p>	Each	70389.00	DSR Electrical 2022
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120	<p>Supplying, installation, testing & commissioning of main control and indicating panel made out of 16 SWG MS sheet to accommodate the following items duly powder coated in approved colour with louvers for ventilation, locking arrangement, audio and visual indication for fire alarm and public address system, monitoring system including connections, interconnections etc complete as required. 6 zone panel for fire alarm system 100 watt amplifier racks suitable for operation on 230V AC/24V DC supply conforming to IEC-268-3 complete with all accessories as required- 2 Nos.(one to act as standby) Talk back master station with LED PTT (press to talk) push button for operation on 230V AC/24 V DC supply conforming to IEC-268 for simplex mode of operation/communication suitable for 20 Nos.talk back unit -1 set. Annoucement control desk suitable for selection of different zones selectively and ON ALL CALL switch with visual indication etc., complete as required- 1 set. Amplifier change over switch for inter changing amplifier- 1 No. Monitor panel for loudspeaker complete output selector ON/OFF switch, fuse visual indications etc. complete as required- 1 No. Gooseneck microphone with stand and ON/OFF switch -1 No. Mains ON/OFF switch, fuse indication lamps, DC and AC voltmeters & ammeters terminal blocks etc. complete as required -1 set. Battery charger trickle cum boost to take complete load of fire alarm & PA system complete with all accessories including providing & fixing of 2 nos. 12 volt, 30 AH each sealed maintenance free batteries -1 set.</p>	Each	48718.00	DSR Electrical 2022
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121	Supplying, installation, testing and commissioning of micro processor based intelligent addressable main fire alarm panel, central processing unit with the following loop modules and capable of supporting not less than 240 devices (including detectors) and minimum 120 detectors per loop and loop length up to 2 km, network communication card, minimum 320 character graphics/ LCD display with touch screen or other keypad and minimum 4000 events history log in the non volatile memory (EPROM), power supply unit (230 ± 5 % V, 50 hz), 48 hrs back-up with 24 volt sealed maintenance free batteries with automatic charger. The panel shall have facility to connect printer to printout log and facility to have seamless integration with analog/digital voice evacuation system (which is part of the schedule of work under SH: PA System) and shall be complete with all accessories . The panel shall be compatible for IBMS system with open protocol BACnet/ Modbus over IP complete as per specifications.			DSR Electrical 2022
121.1	Ten Loop Panel.	Each	455534.00	DSR Electrical 2022
121.2	Two Loop Panel.	Each	239225.00	DSR Electrical 2022
122	Supplying, installation, testing & commissioning of central graphical fire alarm management system to centrally monitor and operate the fire alarm system complete as required.	Each	200611.00	DSR Electrical 2022
123	Supplying, installation, testing & commissioning of repeater panel with 320 character/ Touch screen LCD display with inbuilt reset, acknowledge and silence switches complete as required.	Each	108688.00	DSR Electrical 2022
124	Supplying, installation, testing & commissioning of intelligent analog addressable photothermal detector complete with mounting base complete as required.	Each	2858.00	DSR Electrical 2022

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125	Supplying, installation, testing & commissioning of response indicator on surface/recessed MS Box having two LED, metallic cover complete with all connections etc as required.	Each	276.00	DSR Electrical 2022
126	Supplying, installation, testing & commissioning of intelligent addressable programmable sounder complete as required.	Each	2651.00	DSR Electrical 2022
127	Supplying, installation, testing & commissioning of fault isolator complete with base as required.	Each	3270.00	DSR Electrical 2022
128	Supplying, installation, testing & commissioning of intelligent aspiration detector for area coverage of minimum 5000 sq. ft. complete as required.	Each	295326.00	DSR Electrical 2022
129	Supplying, installation, testing & commissioning of intelligent addressable thermal detector with rate of rise cum fixed temperature thermistor complete with base as required.	Each	2726.00	DSR Electrical 2022
130	Supplying, installation, testing & commissioning of addressable fire control module complete as required.	Each	3003.00	DSR Electrical 2022
131	Supplying, installation, testing & commissioning of addressable phone control module complete as required.	Each	3267.00	DSR Electrical 2022
132	Supplying, installation, testing & commissioning of addressable beam detector with short circuit isolator (inbuilt or separate) complete with emitter and receiver including connections with remote test features etc complete as required.	Each	74937.00	DSR Electrical 2022
133	Supplying, installation, testing & commissioning of intelligent addressable duct detector including suitable Photo detector complete with base as required.	Each	7814.00	DSR Electrical 2022
134	Supplying, installation, testing & commissioning of addressable manual call point complete as required.	Each	3871.00	DSR Electrical 2022
135	Supplying, installation, testing & commissioning of addressable horn cum strobe complete as required.	Each	3506.00	DSR Electrical 2022

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136	Supplying, installation, testing & commissioning of addressable strobe complete as required.	Each	3367.00	DSR Electrical 2022
137	Supplying & laying of 2x1.5 sqmm fire survival armoured cable, 600/1000V rated with annealed copper conductor having glass mica fire barrier tape covered by an extruded layer of Cross Linkable Ethylene Propylene Rubber (EPR) insulation and LSZH inner bedding, steel wire armouring & LSZH outer sheath complete as required.	Metre	359.00	DSR Electrical 2022
138	Supplying & laying of 2x1.5 sqmm fire alarm armoured cable, 600/1000V rated with annealed copper conductor having XLPE insulation, steel wire armouring & FRLS outer sheath complete as required.	Metre	173.00	DSR Electrical 2022
139	Supplying and fixing 25 mm dia MS Flexible pipe with PVC coating along with all ancillaries and accessories like coupler etc. as required.	Meter	53.00	DSR Electrical 2022
140	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLOC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	Each	2730.00	DSR Electrical 2022

SLNo	Description	Unit	Rate	Reference
	Electrical MR			

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141	Supply and testing of LED Flood light fixture with following wattage rating and as per technical specifications attached, including accessories for support on wall, bracket, truss, or suitable hanging arrangement upto 1 meters, and 1 meter FR PVC insulated copper conductor flexible cable of size 1.5 sq. mm, complete as per instructions of official-in-charge.			
141.1	30 Watt	Each	1656.00	Electrical NSI/ MR
141.2	50 Watt	Each	1656.00	Electrical NSI/ MR
141.3	80 Watt	Each	2782.00	Electrical NSI/ MR
141.4	100 Watt	Each	2981.00	Electrical NSI/ MR
141.5	150 Watt	Each	5166.00	Electrical NSI/ MR
141.6	200 Watt	Each	7551.00	Electrical NSI/ MR
141.7	250 Watt	Each	11127.00	Electrical NSI/ MR
141.8	300 Watt	Each	15896.00	Electrical NSI/ MR
142	Supply and testing of LED well glass fixture with following wattage rating and as per technical specifications attached, including accessories for support on wall, bracket, truss, or suitable hanging arrangement upto 1 meters, and 1 meter FR PVC insulated copper conductor flexible cable of size 1.5 sq. mm, complete as per instructions of official-in-charge.			Electrical NSI/ MR
142.1	30 Watt	Each	1457.00	Electrical NSI/ MR
142.2	40 Watt	Each	1722.00	Electrical NSI/ MR
142.3	70 Watt	Each	3047.00	Electrical NSI/ MR
143	Supply and testing of LED street Light fixture with following wattage rating and as per technical specifications attached, including accessories for installation on existing GI pipe bracket/ Street Light pole and 1.5 meters FR PVC insulated copper conductor flexible cable of size 1.5 sq. mm, complete as per instructions of official-in-charge.			Electrical NSI/ MR
143.1	30 Watt	Each	1219.00	Electrical NSI/ MR
143.2	45 Watt	Each	1921.00	Electrical NSI/ MR
143.3	60 Watt	Each	2782.00	Electrical NSI/ MR
143.4	70 Watt	Each	3047.00	Electrical NSI/ MR
143.5	90 Watt	Each	3775.00	Electrical NSI/ MR

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143.6	120 Watt	Each	4504.00	Electrical NSI/ MR
144	Supply and testing of LED High Bay Light fixture with following wattage rating and as per technical specifications attached, including accessories for installation on existing GI pipe bracket/ Street Light pole and 1 meter FR PVC insulated copper conductor flexible cable of size 1.5 sq. mm, complete as per instructions of official-in-charge.			Electrical NSI/ MR
144.1	80 Watt	Each	4371.00	Electrical NSI/ MR
144.2	100 Watt	Each	4901.00	Electrical NSI/ MR
144.3	120 Watt	Each	5431.00	Electrical NSI/ MR
144.4	150 Watt	Each	5961.00	Electrical NSI/ MR
145	Supply and testing of following rating energy efficient LED Lamp as per technical specifications and as per instructions of official-in-charge.			Electrical NSI/ MR
145.1	5 Watt	Each	83.00	Electrical NSI/ MR
145.2	9 Watt	Each	99.00	Electrical NSI/ MR
145.3	12 Watt	Each	185.00	Electrical NSI/ MR
145.4	15 Watt	Each	225.00	Electrical NSI/ MR
146	Supply and testing of following size and rating square shaped LED recessed downlight as per technical specification and as per instructions of official-in-charge.-			Electrical NSI/ MR
146.1	2 feet x 2 feet, 36 Watt	Each	1656.00	Electrical NSI/ MR
146.2	2 feet x 2 feet, 45 Watt	Each	1961.00	Electrical NSI/ MR
147	Supply and testing of following rating round shaped LED recessed/surface ceiling lights as per technical specifications and as per instructions of official-in-charge.-			Electrical NSI/ MR
147.1	6 Watt	Each	298.00	Electrical NSI/ MR
147.2	12 Watt	Each	563.00	Electrical NSI/ MR
147.3	15 Watt	Each	636.00	Electrical NSI/ MR
147.4	18 Watt	Each	649.00	Electrical NSI/ MR
147.5	22 Watt	Each	1225.00	Electrical NSI/ MR
148	Supply and testing of following size and rating LED batten light, complete with accessories, as per technical specification and as per instructions of official-in-charge.-			Electrical NSI/ MR
148.1	2 feet, 10 Watt	Each	152.00	Electrical NSI/ MR
148.2	4 feet, 20 Watt	Each	172.00	Electrical NSI/ MR

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148.3	4 feet, 36 Watt	Each	596.00	Electrical NSI/ MR
149	Supply & testing of 18/20 Watt 4 feet LED T8 Tube light (Poly carbonate make) as per required specification and as per instructions of official-in-charge..	Each	318.00	Electrical NSI/ MR
150	Supply and testing of prewired box type industrial channel fitting suitable for 1x4 feet LED T8 Tube Light, CRCA Housing and cover, copper pre-wiring, complete with T-8 LED Tube Light and all accessories and as per instructions of official-in-charge..	Each	636.00	Electrical NSI/ MR
151	Supply & testing of XLPE insulated copper conductor steel armoured power cable of 1.1 KV grade confirming to IS :7089 (part 1) 1988 or latest amendment. and as per instructions of official-in-charge.			Electrical NSI/ MR
151.1	3 X 1.5 sq. mm	Meter	86.00	Electrical NSI/ MR
151.2	3 x 2.5 sq. mm	Meter	126.00	Electrical NSI/ MR
151.3	3 x 4.0 sq. mm	Meter	177.00	Electrical NSI/ MR
151.4	3 x 6.0 sq. mm	Meter	244.00	Electrical NSI/ MR
151.5	3 x 10 sq. mm	Meter	392.00	Electrical NSI/ MR
151.6	4 x 6.0 sq. mm	Meter	315.00	Electrical NSI/ MR
151.7	4 x 10 sq. mm	Meter	515.00	Electrical NSI/ MR
152	Supply & testing of XLPE insulated copper conductor unarmoured power cable of 1.1 KV grade confirming to IS :7089 (part 1) 1988 or latest amendment and as per instructions of official-in-charge.			Electrical NSI/ MR
152.1	3 X 1.5 sq. mm	Meter	65.00	Electrical NSI/ MR
152.2	3 x 2.5 sq. mm	Meter	105.00	Electrical NSI/ MR
152.3	3 x 4.0 sq. mm	Meter	159.00	Electrical NSI/ MR
152.4	3 x 6.0 sq. mm	Meter	226.00	Electrical NSI/ MR
152.5	3 x 10 sq. mm	Meter	379.00	Electrical NSI/ MR
152.6	4 x 6.0 sq. mm	Meter	275.00	Electrical NSI/ MR
152.7	4 x 10 sq. mm	Meter	454.00	Electrical NSI/ MR
153	Supply & testing of XLPE insulated aluminium conductor steel armoured power cable of 1.1 KV grade confirming to IS :7089 (part 1) 1988 or latest amendment and as per instructions of official-in-charge.			Electrical NSI/ MR
153.01	2 x 10 sq. mm	Meter	107.00	Electrical NSI/ MR

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153.02	3 x 10 sq. mm	Meter	113.00	Electrical NSI/ MR
153.03	3 X 16 sq. mm	Meter	113.00	Electrical NSI/ MR
153.04	3 X 25 sq. mm	Meter	145.00	Electrical NSI/ MR
153.05	3 X 35 sq. mm	Meter	191.00	Electrical NSI/ MR
153.06	3 X 50 sq. mm	Meter	248.00	Electrical NSI/ MR
153.07	3 X 70 sq. mm	Meter	331.00	Electrical NSI/ MR
153.08	3 X 95 sq. mm	Meter	413.00	Electrical NSI/ MR
153.09	3 X 120 sq. mm	Meter	516.00	Electrical NSI/ MR
153.10	3 X 150 sq. mm	Meter	611.00	Electrical NSI/ MR
153.11	3 X 185 sq. mm	Meter	767.00	Electrical NSI/ MR
153.12	3 X 240 sq. mm	Meter	980.00	Electrical NSI/ MR
153.13	3 X 300 sq. mm	Meter	1214.00	Electrical NSI/ MR
153.14	3.5 X 25 sq. mm	Meter	171.00	Electrical NSI/ MR
153.15	3.5 X 35 sq. mm	Meter	212.00	Electrical NSI/ MR
153.16	3.5 X 50 sq. mm	Meter	284.00	Electrical NSI/ MR
153.17	3.5 X 70 sq. mm	Meter	383.00	Electrical NSI/ MR
153.18	3.5 X 95 sq. mm	Meter	479.00	Electrical NSI/ MR
153.19	3.5 X 120 sq. mm	Meter	588.00	Electrical NSI/ MR
153.20	3.5 X 150 sq. mm	Meter	691.00	Electrical NSI/ MR
153.21	3.5 X 185 sq. mm	Meter	874.00	Electrical NSI/ MR
153.22	3.5 X 240 sq. mm	Meter	1122.00	Electrical NSI/ MR
153.23	3.5 X 300 sq. mm	Meter	1371.00	Electrical NSI/ MR
153.24	3.5 X 400 sq. mm	Meter	1753.00	Electrical NSI/ MR
153.25	4 x 10 sq. mm	Meter	120.00	Electrical NSI/ MR
153.26	4 X 16 sq. mm	Meter	149.00	Electrical NSI/ MR
153.27	4 X 25 sq. mm	Meter	182.00	Electrical NSI/ MR
153.28	4 X 35 sq. mm	Meter	240.00	Electrical NSI/ MR
153.29	4 X 50 sq. mm	Meter	311.00	Electrical NSI/ MR
154	Supply & testing of XLPE insulated aluminium conductor unarmoured power cable of 1.1 KV grade confirming to IS : 7089 (part 1) 1988 or latest amendment and as per instructions of official-in-charge.			Electrical NSI/ MR
154.01	2 x 6 sq. mm	Meter	52.00	Electrical NSI/ MR
154.02	2 x 10 sq. mm	Meter	74.00	Electrical NSI/ MR
154.03	3 X 16 sq. mm	Meter	89.00	Electrical NSI/ MR
154.04	3 X 25 sq. mm	Meter	126.00	Electrical NSI/ MR
154.05	3 X 35 sq. mm	Meter	174.00	Electrical NSI/ MR
154.06	3 X 50 sq. mm	Meter	214.00	Electrical NSI/ MR
154.07	3 X 70 sq. mm	Meter	308.00	Electrical NSI/ MR
154.08	3 X 95 sq. mm	Meter	375.00	Electrical NSI/ MR
154.09	3 X 120 sq. mm	Meter	489.00	Electrical NSI/ MR

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154.10	3 X 150 sq. mm	Meter	564.00	Electrical NSI/ MR
154.11	3 X 185 sq. mm	Meter	711.00	Electrical NSI/ MR
154.12	3 X 240 sq. mm	Meter	918.00	Electrical NSI/ MR
154.13	3 X 300 sq. mm	Meter	1125.00	Electrical NSI/ MR
154.14	3.5 X 25 sq. mm	Meter	160.00	Electrical NSI/ MR
154.15	3.5 X 35 sq. mm	Meter	188.00	Electrical NSI/ MR
154.16	3.5 X 50 sq. mm	Meter	255.00	Electrical NSI/ MR
154.17	3.5 X 70 sq. mm	Meter	348.00	Electrical NSI/ MR
154.18	3.5 X 95 sq. mm	Meter	443.00	Electrical NSI/ MR
154.19	3.5 X 120 sq. mm	Meter	570.00	Electrical NSI/ MR
154.20	3.5 X 150 sq. mm	Meter	667.00	Electrical NSI/ MR
154.21	3.5 X 185 sq. mm	Meter	852.00	Electrical NSI/ MR
154.22	3.5 X 240 sq. mm	Meter	1023.00	Electrical NSI/ MR
154.23	3.5 X 300 sq. mm	Meter	1326.00	Electrical NSI/ MR
154.24	3.5 X 400 sq. mm	Meter	1657.00	Electrical NSI/ MR
154.25	4 X 16 sq. mm	Meter	119.00	Electrical NSI/ MR
154.26	4 X 25 sq. mm	Meter	168.00	Electrical NSI/ MR
154.27	4 X 35 sq. mm	Meter	208.00	Electrical NSI/ MR
154.28	4 X 50 sq. mm	Meter	279.00	Electrical NSI/ MR
155	Installation and commissioning of LED lighting fixture of any wattage rating upto the below mentioned height including dismantling of existing fixture at same location, external or internal work, including connections, complete as per instructions of official -in-charge. (The dismantled fixture shall be handed over to the CWC Officer)			Electrical NSI/ MR
155.1	Upto 3 meters	Job	173.00	Electrical NSI/ MR
155.2	Above 3 meters and upto 6 meters	Job	336.00	Electrical NSI/ MR
155.3	Above 6 meters and upto 12 meters	Job	660.00	Electrical NSI/ MR
156	Installation and commissioning of LED lighting fixture of any wattage rating upto the below mentioned height, including connections, complete as per instructions of official-in-charge.			Electrical NSI/ MR
156.1	Upto 3 meters	Job	116.00	Electrical NSI/ MR
156.2	Above 3 meters and upto 6 meters	Job	224.00	Electrical NSI/ MR
156.3	Above 6 meters and upto 12 meters	Job	440.00	Electrical NSI/ MR

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157	Dismantling of LED lighting fixture of any wattage rating upto the below mentioned height, including connections, complete as per instructions of official-in-charge. (The dismantled fixture shall be handed over to the CWC Officer)			Electrical NSI/ MR
157.1	Upto 3 meters	Job	116.00	Electrical NSI/ MR
157.2	Above 3 meters and upto 6 meters	Job	224.00	Electrical NSI/ MR
157.3	Above 6 meters and upto 12 meters	Job	440.00	Electrical NSI/ MR
158	Dismantling of following type of sheet steel MCB distribution box in surface or recess irrespective of number of ways, door, etc. inclusive of dismantling of any switchgear complete as per instruction of official-in-charge.			Electrical NSI/ MR
158.1	Single pole and neutral MCB distribution box	Job	374.00	Electrical NSI/ MR
158.2	Triple pole and neutral MCB distribution box	Job	451.00	Electrical NSI/ MR
159	Supply and fixing of 20 mm dia flexible corrugated PVC conduit as required.	Meter	13.00	Electrical NSI/ MR
160	Supply and fixing of 20 mm dia flexible corrugated metal/GI conduit as required.	Meter	30.00	Electrical NSI/ MR
161	Supply & Testing of 3 core 2.5 sq.mm FRLS PVC insulated multicore Unsheathed Industrial Flexible Cable conforming to IS 694: 2010 with Flexible Bright Annealed Copper Conductor for Voltage Grade upto 1100 Volts. as per the instructions of the engineer incharge	Meter	97.00	Electrical NSI/ MR
162	Supply & testing of 2 core 2.5 sq.mm FRLS PVC Insulated Multi core Unsheathed Industrial Flexible Cable conforming to IS 694: 2010 with Flexible Bright Annealed Copper Conductor for Voltage Grade upto 1100 Volts. as per the instructions of the engineer incharge	Meter	66.00	Electrical NSI/ MR

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163	Supply & testing of 3 core 4 sq. mm Flat Cable for submersible pump motors FRLS PVC insulated single core Unsheathed Industrial Flexible Cable conforming to IS 694: 2010 with Flexible Bright Annealed Copper Conductor for Voltage Grade upto 1100 Volts. as per the instructions of the engineer incharge	Meter	225.00	Electrical NSI/ MR
164	Attending to breakdown calls including identification, isolation, correction of fault, followed by restoration of circuit supply complete as required as per the instructions of Officer-in-charge.			Electrical NSI/ MR
164.1	Low impact category (as decided by Officer-in-charge)	Job	963.00	Electrical NSI/ MR
164.2	Medium Impact category (as decided by Officer-in-charge)	Job	1927.00	Electrical NSI/ MR
21.3	High Impact category (as decided by Officer-in-charge)	Job	2796.00	Electrical NSI/ MR
165	Lowering of carriage of High Mast Tower and raising the same including necessary fault repair/ maintenance, by operation of winch-gear assembly by manual/electro-mechanical means complete as required as per direction of official in charge	Job	2000.00	Electrical NSI/ MR
166	Supplying and fixing following 40 /63 Ampere rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required as per direction of official in charge			Electrical NSI/ MR
166.1	Triple pole	Each	1678.00	Electrical NSI/ MR
166.2	Triple pole and neutral	Each	2088.00	Electrical NSI/ MR

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167	Supply, installation, testing & commissioning of LED Based signage board of required size, made of aluminium composite panel sheet of 3 mm thickness duly framed on 25 mm x 25 mm M.S. Square Pipe, duly computerized CNC cutting, display by using 3 mm laser cut imported acrylic sheet as per the design in bilingual, with Samsung/ Osram make LEDs, with warranty of 1 year on LED and SMPS, with installation at site complete as per direction of official in charge	Sqft	834.00	Electrical NSI/ MR
168	Supplying, erection and commissioning of CWC logo with CWC in Acrylic 3d letter A cast sheet of 4mm thickness with samsung/Osram module LED & back channel of ACP sheet of minimum height of 3 feet of single letter and total width 10 feet.total size including logo is 10 'x 8.5 ' (H).	each	120414.00	Electrical NSI/ MR
169	Supply and fixing of SMC junction box of size 250 x 200 x 105 mm, waterproof, Fire retardant including of din bar, 6 amp single pole MCB, 4 way connector plate and making connections including installation on street light pole with MS D-Clamp with iron strip etc. complete in all respects as per direction of Officer-in-charge.	Each	1193.00	Electrical NSI/ MR
170	Supply and fixing of SMC junction box of size 140 x 140 x 95 mm, waterproof, Fire retardant including of 4 way connector plate and making connections including installation on street light pole with MS D-Clamp with iron strip etc. complete in all respects as per direction of Officer-in-charge.	Each	643.00	Electrical NSI/ MR
171	Testing of earth pit resistance test using calibrated ground resistance meter and submission of report, complete as per instructions of Officer-in-charge.	Per pit	656.00	Electrical NSI/ MR

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172	Supplying, installation, testing and commissioning of following discharge capacity 3-phase submersible sewage/dewatering pumps the material of construction of impeller, delivery casing and motor body being cast iron and pump shaft of carbon steel, including required connections etc. complete as required. The pump body shall have corrosion resistance coating. Pump set shall have IP 68 ingress protection, 'B' class insulation and stated minimum solid handling capacity.			Electrical NSI/ MR
172.01	336 lpm at 6 meter head with 20 mm solid handling capacity	Each	36922.00	Electrical NSI/ MR
172.02	375 lpm at 8 meter head with 20 mm solid handling capacity	Each	49829.00	Electrical NSI/ MR
172.03	625 lpm at 16 meter head with 30 mm solid handling capacity	Each	105320.00	Electrical NSI/ MR
172.04	3360 lpm at 4 meter head with 45 mm solid handling capacity	Each	252884.00	Electrical NSI/ MR
172.05	4750 lpm at 8 meter head with 45 mm solid handling capacity	Each	289901.00	Electrical NSI/ MR
172.06	4800 lpm at 6 meter head with 45 mm solid handling capacity	Each	325376.00	Electrical NSI/ MR
173	Supplying, installation, testing and commissioning of following discharge capacity 3-phase bare/motor coupled self-priming pumps, including required connections etc. complete as required. The pump body shall have corrosion resistance coating. Pump set shall have IP 55 ingress protection, 'F' class insulation and stated minimum solid handling capacity.			Electrical NSI/ MR
173.01	4.6 lps at 6 meter head with 7 mm solid handling capacity	Each	32787.00	Electrical NSI/ MR
173.02	6.3 lps at 10 meter head with 8 mm solid handling capacity	Each	45395.00	Electrical NSI/ MR
173.03	18 lps at 10 meter head with 15 mm solid handling capacity	Each	78632.00	Electrical NSI/ MR
173.04	36 lps at 10 meter head with 18 mm solid handling capacity	Each	176448.00	Electrical NSI/ MR
173.05	66 lps at 10 meter head with 34 mm solid handling capacity	Each	267524.00	Electrical NSI/ MR

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173.06	75 lps at 10 meter head with 40 mm solid handling capacity	Each	331270.00	Electrical NSI/ MR
173.07	80 lps at 8 meter head with 60 mm solid handling capacity	Each	382041.00	Electrical NSI/ MR
174	Supplying, installation, testing and commissioning of following discharge capacity diesel engine coupled self-priming pumps, including required connections etc. complete as required. The pump body shall have corrosion resistance coating and stated minimum solid handling capacity.			Electrical NSI/ MR
174.01	41 lps at 12 meter head with 23 mm solid handling capacity	Each	750437.00	Electrical NSI/ MR

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175	<p>Supply, installation, testing and commissioning of following height high mast tower excluding excavation but including the following -</p> <p>a) Supply of stated height high mast shaft in two/three sections suitable for 47 m/sec wind speed, with head frame, winch mounting bracket, luminaires carriage suitable to install stated number of luminaires in symmetrical arrangement.</p> <p>b) Supply of raising lowering system comprising double drum winch, 6 mm diameter SS wire rope, trailing cable, connector, integral power tool motor, manual handle, junction box, lightning finial.</p> <p>c) Supply of foundation bolts manufactured from special steel along with nuts, washers, anchor plate and common template.</p> <p>d) Supply of outdoor stand mounted feeder pillar with 32 A TPN MCB incommer, single dial time switch, 25 A TP Contactor for the automatic switching of luminaires, power tool control with 02 Nos. 9 A contactors and raise lower push button, incoming and outgoing terminals for lights and motor as required.</p> <p>e) Supply of LED Type single dome aviation obstruction light. Stand must be double door made up of 2 SWG sheet and powder coated with 7 tank technique.</p> <p>f) Erection of the high mast with the help of suitable tools and plants, wiring of luminaires with all wiring materials like PVC insulated PVC sheathed flexible cable of suitable copper conductor cores of 1.5 sq. mm, lugs, MCB and all labour.</p> <p>g) Installation of the mast feeder pillar by grouting the stand in concrete.</p>			Electrical NSI/ MR
175.1	20 Meter high mast suitable for 16 Nos. luminaires	Each	688390.00	Electrical NSI/ MR
175.2	25 Meter high mast suitable for 16 Nos. luminaires	Each	776233.00	Electrical NSI/ MR

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175.3	30 Meter high mast suitbale for 24 Nos. luminaires	Each	826854.00	Electrical NSI/ MR
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Name of work: Execution of Miscellaneous Repair /Maintenance, upgradation and Construction works in Zone 3 – a cluster of central warehouses located at Chandigarh On Annual rate Contract basis

SUB SCHEDULE A (III)

DSR BASED ITEMS (HORTICULTURE AND HOUSE KEEPING)

SLNo	Description	Unit	Rate	Reference
	Horticulture works			
1	Grassing with selection No. 1 doob grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn, keeping it free from weeds and fit for mowing including supplying good earth, if needed (the grass and good earth shall be paid for separately). within complex. Payment shall be done one time. Frequency: as per requirement and area decided by WHM	sqm	15.71	based on DSR 2020 Horticulture 2.10.2 (labour rates taken from DSR Civil 2021)
2	Cleaning of garden, Watering of landscaped/green belt areas and maintaining the plants/ shrubs, trees, bushes, flowering beds etc and keeping these in healthy condition . Maintaining the greenery, hygienic and aesthetic in lawn & other green belt area within complex ,Trimming the branches of trees obstructing the height up to 6 m above the driveway or obstructing the visibility of road signs , trimming or weeding out of unsolicited plants grown over terrace/walls of building within complex . Maintenance of Kitchen garden or similar seasonal flower garden including preparation of beds manuring/ fertigation, weeding hoeing, watering, planting of vegetable seeds/seasonal flowering seeds including spraying of insecticide and pesticide and Harvesting. (Note:-Only Good Earth, Manure, Fertilizer, Insecticide & Pesticide & saplings or seeds will be provided by the Department and other T & P material and machines shall be provided by the contractor). Frequency of cleaning shall be daily and	per sqm per month	14.44	based on 2.59.2 + 2.41 Horticulture DSR 2020

Tender Price Schedules

	watering or other activities shall be as per requirement . Payment shall be done on monthly basis . Area to be decided by WHM			
3	Renovating lawns including weeding, cheeling the grass, forking the ground, top dressing with sludge or manure, mixing the same with forke and keeping the lawn free from weeds and fit for mowing including spreading of good earth/sludge etc as per requirement, mowing using lawn mowers and trimming of Damaged trees plants and bushes in Lawns or from any other garden within CW Complex at least once in 3 weeks and as per additional requirement. Payment shall be done at end of 6 months. Frequency: Once in 6 months in the area decided by WHM	sqm	46.68	based on DSR 2020 Horticulture 2.11
4	Mixing earth and sludge or manure in the required proportion and spreading/ of sludge, dump manure and/or good earth in required thickness within complex as per requirement. Payment shall be done on monthly basis. Frequency: once a month	cum	61.87	based onDSR 2020 Horticulture 2.8
5	Plantation of Trees, Shrubs, and Hedge at site i/c watering and removal of unserveiceable material's as per direction of officer in charge (excluding cost of plant) These includes new plants ,including seasonal flowering plants, shrubs, hedges etc. , shifting of plant from pots, Relocating the plants and /or Pots etc. within complex as per requirement by WHM, Cost of plant shall			

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	be paid extra. Payment shall be done after each work at monthly basis			
a	Trees Plant	each	8.63	based onDSR 2020 Horticulture 2.57.1
b	Shrubs Plant	each	4.31	based onDSR 2020 Horticulture 2.57.2
c	Hedge Plant /Ground cover	each	2.88	based onDSR 2020 Horticulture 2.57.3
6	Cutting of designer hedge/edge hoeing of hedge/edge bed Topiary cutting/shaping of plant removing of cut materials, cleaning, hoeing of plants, hoeing of trees (Topiary) watering manure and applying insecticides and fungicides etc. Payment shall be done at monthly basis. Frequency: Once in month in the area decided by WHM	per sqm per month	48.30	DSR 2020 Horticulture 2.37
7	Clearing heavy jungle in open area including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish upto secondary collection chamber . Payment shall be done after each work at monthly basis. frequency: once in 6 months and Area to be decided by WHM.	sqm	14.50	DSR Civil 2021; 2.31
8	Clearing grass, shrubs, bushes grown unwanted near to buildings and roads and removal of the rubbish upto secondary collection chamber . Payment shall be done after each work at monthly basis. frequency: once in 3 months and Area to be decided by WHM.	sqm	7.40	DSR Civil 2021; 2.32
	Housekeeping Services			

Tender Price Schedules

9	<p>Removal of garden waste by TATA 407 or equivalent including loading/unloading and carriage including all lead and lift for complete disposal upto designated place given by ,Local authority and as per direction of officer-in-charge. Frequency: once in a week or as per requirement of WHM. Payment shall be done based on number of trips (fully loaded)</p>	per trip	397.55	based on 2.60 Horticulture DSR 2020
10	<p>Cleaning/Sweeping of CW Roads, Main entry Ramps, Parking yards Godown Veranda/Open Platforms and Weighbridge platform area etc. including Safe disposal of garbage/ Refuse or solid waste, scraps after segregating Organic /recyclable and inorganic waste to the dustbins placed at designated disposal sites (secondary collection centres near Office/ Godown (s) and any other place within CW Complex.Frequency: Daily and Area to be decided by WHM and Total open area cleaned shall be measured for payment and Payment shall be done at monthly basis.</p>	per sqm per month	3.22	based on 2.59.2 Horticulture DSR 2020
11	<p>Cleaning, dusting, mopping of Window Glasses (both sides), floors, furnitures, etc. to make the area neat and clean free from cobwebs, flies etc , and hygeinic in Office buildings, labour Huts, Security Cabins,weighbridge cabin and other similar amenities within complex, including Safe disposal of garbage/ Refuse or solid waste, scraps after segregating Organic /recyclable and inorganic waste to the dustbins placed at designated disposal sites (secondary collection centres near Office/ Godown (s) and any other place within CW Complex.Frequency: Daily and total carpet area cleaned shall be measured for payment shall be done at monthly basis</p>	sqm	15.71	based on 2.10.2 Horticulture DSR 2020

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12	<p>Cleaning of Floor of godowns, brushing of stacks, recovery of grains from sweeping and filling in palla bags, cleaning of store room of the warehouse and arranging in a systematic manner , including Safe disposal of garbage/ Refuse or solid waste, scraps after segregating Organic /recyclable and inorganic waste to the dustbins placed at designated disposal sites (secondary collection centres near Office/ Godown (s) and any other place within CW Complex. Frequency: Once in a week and area to be decided by WHM. Payment shall be done at monthly basis</p>	per sqm per month	3.22	based on 2.59.2 Horticulture DSR 2020
13	<p>Cleaning, dusting of Godown Walls, Top Ventilators, Roof Trusses, Parapets and other heightened structures as decided by WHM, Cleaning of Fans installed in office buildings, Cleaning of firefighting equipment including portable fire extinguishers, Sand Buckets (cleaning & refilling), and cleaning of building terrace to etc. to make the area neat and clean free from cobwebs, flies, terrace leaves etc , for maintaining hygiene in buildings, Frequency: Once in 2 month and payment shall be done on Lump sum basis for each 5000 MT Godown</p>	job	891.33	based on DSR 2021/ 14.94
14	<p>Cleaning of all Toilets /Washrooms / drinking water utilities and other similar amenities within CW Complex.with water including flushing as per requirement including cost of broom, brush, wipers, cloth etc (only Toilet cleaning chemical shall be provided by WHM) Frequency: Twice daily and payment shall be done based on no of washrooms blocks (comprising urinals, WC, Wash basins, faucet, wall tiles, floor tiles etc complete)cleaned</p>	each per day	35.65	based on DSR Civil 2021/ 14.94

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15	<p>Cleaning of terrace/loft water storage tank (inside surface area) upto 2000 litre capacity at all heights with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba all complete as per direction of WHM . (The old date written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre) (if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account). Frequency: Once in 6 months. Payment shall be done after each work at monthly basis.</p>	Per litre	0.40	DSR Civil 2021 14.75 A
16	<p>Cleaning and desilting of gully trap chamber, including removal of rubbish mixed with earth etc. and disposal of same, all as per the direction of WHM. Payment shall be done after each work at monthly basis.</p>	each	89.45	DSR Civil 2021 14.76
17	<p>Cleaning of chocked / existing drain of campus / sewer line by diesel running vehicle mounting hydraulic operated high pressure suction cum jetting sewer cleaning machine fitted with pump having adequate suction capacity or by deploying manual labour and adequate water jetting tank capacity including skilled operator, supervisor etc. for cleaning and partial desilting of manholes and dechocking of sewer lines. Dechocking and flushing of sewer line from one manhole to another by high pressure jetting system of 2200 PSI for sewer line from 150mm dia upto 300mm.frequency or by deploying manual labour to make drainage system choke and water logging free complete work as per direction of WHM . Frequency : once a year or as per requirement and quantity to be</p>	metre	142.95	half rate for open drain DSR Civil 2021 14.77

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	decided by WHM. Payment shall be done after each work at monthly basis.			
18	<p>Cleaning of under ground sump, Over Head R.C.C. Tank (independent staging) including disposal of slit and rubbish, all as per direction of WHM. The cleaning shall consist following operations:- (i) Tank shall be emptied of water by pumping & bottom shall be cleaned of silt and other deposits.</p> <p>(ii) Entire surface area of the sump shall then scrubbed thoroughly with wire brush etc. and pressure washed with water.</p> <p>(iii) Chlorination of RCC internal surface by liquid chlorine.</p> <p>(iv) The treated surface shall be dried using air jetting and all loose particles shall be removal from the surface.</p> <p>(v) Finally the surface shall be treated with ultraviolet radiation etc. as per direction of WHM. Frequency: once in 6 months, surface area of the tank shall be measured for payment. Payment shall be done after each work at monthly basis.</p>	sqm	71.30	14.78 DSR Civil 2021
19	<p>Clearing of blockages in Rain Water Harvesting systems pit of plan area upto including cleaning of Rain water pit, replacing the aggregates, removal of blockages , sludges etc to restore the water flow. Cost of replaced aggregates shall be paid extra. Frequency: Twice a year. Payment shall be done after each work at monthly basis.</p>	job	3565.34	based on DSR 2021/ 14.94

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20	<p>Cleaning of equipments including folding of fumigation covers and shifting them to store from godown and from godown to store complete work as per requirement and direction of official in charge. Frequency: once in 2 months. Payment shall be done after each work at monthly basis.</p>	<p>per standard stack of 20 feet x 30 feet</p>	557.08	<p>based on DSR 2021/ 14.94 and technical data of 5 labours required per 8 stack</p>
21	<p>Prophylactic and curative treatment as per requirement. Frequency: once in 2 months. Payment shall be done after each work at monthly basis.</p>	<p>per standard stack of 20 feet x 30 feet</p>	123.80	<p>based on DSR 2021/ 14.94 and technical data of 5 labours per 5000 MT</p>