

DETAILED ESTIMATE FOR RENOVATION /MAINTENANCE OF VARIOUS WORKS AT PIT GTB GARH DISTRICT MOGA

S. No.	Ref to CSR	Description of Item	Qty	Unit	Rate	Amount
1	6.6	Earth work in excavation in foundations trenches etc. in all kinds of soil not involving Pick-Jumper work upto 2 metres depth including dressing of bottom and sides of trenches, stacking the excavated soil clear from the edge of excavation and subsequent	8.82	cum	119.30	1052
2	24.4b	Loosening, leveling and compacting original ground below embankment to facilitate placement of first layer of embankment, scarified to a depth of 150 mm, mixed with water at OMC and then compacted by rolling so as to achieve minimum dry density as given in Table 300-2 for embankment construction as per technical clause 305 of MORT&H specifications	27.00	cum	26.28	710
3	NS	Earth filling including carriage loading unloading laying watering and compaction complete	20.00	cum	245.00	4900
4	31.11	Regrading tile terracing including dismantling old terrecing removing and relaying mud plaster pointing by using old tiles including disposal of wastage of old material and mud etc.	70.00	Sqm	221.14	15480
5	8.39	Dismantling of brick work in cement sand mortar/lime mortar including T&P scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material & staking the serviceable material with all lifts & lead of 100 meter (By Mechanical Means)	1.50	Cum.	362.85	544
6	8.6 (d)	Dismantling cement concrete 1:2:4	1.60	Cum.	845.41	1353
	8.16	Dismantling cement conglomerate floors (25 mm to 50 mm) thick including concrete base.	80.00	Sqm.	67.52	5401
8	8.26	Removing Doors and Windows (Steel or wood) with chowkhats by making recesses in walls when the wall is not to be dismantled.	20.00	Each	140.39	2808
9	18.24c	Supply & Fixing of pressed steel frames (Chowkhats) consisting of 18 gauge (1.25mm) thick steel sheet of the specified section (standard design latest) including iron lugs (hold fasts) iron hinges, confirming to P.W.D. specifications including bolts for fixing stops, locknotch provision for receiving tower bolts, Hydraulic spring and finished with one priming coat of approved quality, fixed in position, including the cost of cement concrete 1:3:6 for filling in the frame and cement concrete 1:2:4 for lugs complete. Doors and windows frame of size 113mm x 60mm with 35 mm wide single rebate weighing 3.38 kg per meter. Doors and windows frame of size 151mm x 60mm with 35 mm wide double rebate weighing 3.95 kg per meter.	175.00	Mtr	439.09	76841
10	17.27 aiv	Factory manufactured flush door fixed in position iron hinges, etc (excluding the cost of any fittings other than specified above but including labour for fixing the same in position (Code : II Revision IS-2191 Part-I) 1973 Commercial with elm or gurjan facing on both \ Sides with laminated core and lipped 35 mm thick	35.00	Sqm.	2930.42	102565
11	8.31c	Scraping cement plaster 70% of total area	610.00	Sqm.	22.31	13611
12	8.31a	Scraping white wash 50% of total area	9485.00	Sqm	4.41	41829
13	8.35	Dismantling glazed tiles (to be carefully removed)	50.00	Sqm.	83.69	4184
14	14.144	Providing and fixing 1 st quality ceramic glazed wall tiles conforming to IS :15622 (thickness to be specified by the manufacture of approved make in all colors, shades except burgundy, bottle green, black of size 300mmx600mm as approved by Engineer-in-charge in skirting, rashers of steps and dados over 12 mm thick bed of cement Mortar 1:4 (1 cement:4 fine sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	300.00	Sqm.	930.23	279069
15	14.139	Providing and laying Rectified Porcelain floor tiles 400mmx400mm or more (thickness to be specified by the manufacturer) of premium quality conforming to IS:15622 of approved make in all colors laid on 20 mm thick bed of Cement Mortar 1:4 (1 Cement :4 fine sand) for new flooring or laid with cement based high polymer modified quick set tile adhesive (water based) of approved make IS 15477 marked using 5 kg adhesive per sqm. Of tile are in average 3mm thickness over existing floor, including pointing the joints with white cement and matching pigments etc., complete.	150.00	Sqm.	1186.75	178012
16	17.44	Providing and fixing 0.50mm thick aluminum sheet including cost of necessary fittings i.e. screws, etc. complete.	10.00	Sqm.	403.28	4033
17	16.2	White washing 2 coat	680.00	Sqm.	8.12	5518
18	16.17 a)	Applying pink primer or aluminum priming coat on wood work including preparation of surface knotting and stopping etc.	550.00	Sqm.	20.50	11275
19	16.18 a)	Painting two coats excluding priming coat with synthetic enamel paint in all shades on wood work, metallic or plastered, concrete surface to give an even shade.	700.00	Sqm.	58.10	40670

2

S. No.	Ref to CSR	Description of Item	Qty	Unit	Rate	Amount
20	30.37iii	Providing and fixing in position vitreous chinaware white lavatory suites of approved make (to the approval of Engineer-in-charge) consisting of C.P brass waste 32mm dia with one C.P brass pillar tap complete in all respectSize 630mm x 450mm	4.00	Each	4317.00	17268
21	30.2	Providing and fixing in position Chinaware Indian Orisa water closet sizes 580mm of approval make (to the approval of the Engineer-in-charge) consisting of 10 ltr. PVC flushing cistern including cost of PVC long bend 32 mm dia complete in all respect and to the entire satisfaction of engineer in charge.	3.00	Each	4183.50	12551
22	30.4	Providing and fixing in position Chinaware European type water closet p trap or S trap of approval make (to the approval of the Engineer-in-charge) consisting of 10 ltr. PVC flushing cistern. PVC short bend 32mm dia including cost of seat cover complete in all respect and to the entire satisfaction of engineer in charge.	3.00	Each.	3995.50	11987
23	30.57 (a)	Providing & Fixing in position paper holders of approved make (to the approval of Engineer-in-charge) fixed into wall with C.P. brass screws complete in all respect C.P. brass toilet paper holder	5.00	Each	967.50	4838
24	30.58 (a)	Providing and fixing in position towel rails/ ring of approved make (to the approval of Engineer-in-charge) fixed in with rawl plugs embedded in walls with brass screws compete in all respect C.P brass towel Rails size 15mm dia 600mm long	10.00	Each	1363.50	13635
25	30.64 A)	Providing & Fixing in position C.P. Brass flange of approval make (to the approval of the Engineer-in-charge) under various fixtures complete in all respects	150.00	Each.	52.00	7800
26	30.64 b	Providing & Fixing in position C.P. Brass extension piece 25mm long or 50mm long of approval make (to the approval of the Engineer-in-charge) with various fixtures complete in all respects	50.00	Each	89.50	4475
27	30.65 A)iii	Providing & Fixing in position 15mm i/d bib cock of approved make (to the approval of Engineer-in-charge) complete in all respectsC.P. brass Bib cock push type	10.00	Each	663.50	6635
28	30.73 (c)	Providing & fixing in position C.P. Copper tube connection of approved make (to the approval of Engineer-in-charge) complete in all respects C.P. copper tube connection of size 15 mm x 450 mm with C.P. Brass nut	10.00	Each	295.00	2950
29	30.74 ib	Providing and fixing in position H.C.I. soil waste vent or antisiphonage pipes to I.S.I. specification (IS:1729) of approved make (to the approval of Engineer-in-charge) including cutting, jointing, wastage, but excluding cost of lead jointing.100mm i/d H.C.I. pipe lines laid Complete	25.00	Meter	1047.00	26175
30	30.79 (c)	Providing and fixing H.C.I. Floor traps conforming to I.S.I. Specification (IS:1729) of approved make (to the approval of Engineer-in-charge) of the self cleaning design with C.P. brass hinged grating with frame with or without vent arm and including cement concrete 1:2:4 under and around the floor trap where required up to floor level complete in all respects including cutting and making good the walls and floors, etc. minimum depth of water should be 150mm with a minimum seal 50mm. With 100mm i/d outlet shallow seal	5.00	Each	850.50	4253
31	30.86 (a)	Dismantling H.C.I Soil pipes including disposal as desired by the Engineer-in-Charge.100mm i/d H.C.I. pipe	25.00	Meter	19.50	488
32	30.87 (a)	Dismantling H.C.I specials including dismantling of lead joints including cartage/ disposal within 5 Km.100mm i/d H.C.I. specials	10.00	Each	31.00	310
33	29.99 (b)	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials and disposal of unserviceable materials within 100 m. as desired by Engineer-in-Charge.150 mm Diameter	35.00	Meter	32.20	1127
34	29.63 (b)	Providing, lowering, cutting & jointing salt Glazed Stone ware Pipes and Specials ISI	100.00	Meter	300.30	30030
35	11.5	First class burnt brick work laid in cement sand mortar 1:5 in foundation and plinth.	18.60	Cum	3613.45	67210
36	11.3	First class burnt brick work laid in cement sand mortar 1:6 in foundation and plinth.	1.23	Cum	3407.11	4191
37	15.9	12.5 mm thick plaster 1:4	929.06	Sqm.	114.96	106804
38	15.20	20 mm thick plaster 1:4	195.00	Sqm.	155.74	30369
39	10.12	Cement Concrete 1:2:4	18.10	Cum	3896.55	70528
40	9.1	Centering & Shuttering for faces for concrete foundation and beams	5.00	Sqm	158.31	792
41	18.18	Mild steel reinforcement for RCC work where not included in the complete rate of RCC including bending, binding and placing in position complete.(i) Up to 20mm dia bars	2.91	Qtl.	5098.10	14835
42	8.25 b	Supplying and fixing glass panes with glazing clips and special metal sash putty of approved make.Glass panes 4mm thick above 0.40 sqm area.	50.00	Sqm.	600.38	30019
43	18.4	Wrought iron and mild steel ladders, framed grills, grating etc. with ends of bars, riveted or welded or forged, framed window guards, barred iron doors, stair case, iron railing including cost of bolts and nuts or screws or welding rod, complete fixed in position.	2.00	Qtl.	7585.73	15171

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44	30.74iir	Providing and fixing in position PVC pipes as per IS:4985 ISI Marked with the prior approval of the Engineer-in-charge along the trench and laying the same in trenches to correct alignment and gradient including cutting, jointing as per specifications 110mm dia of 6kgf/sqcm	34.14	Mtr	275.00	9389
45	30.74iib	90mm o/d SWR UPVC pipe line laid complete	25.00	Mtr	306.50	7663
46	28.36a	Providing and laying, jointing, fixing, testing ISI Marked G.I. Pipe (as per IS 1239) B-class, premium make such as (Jindal Hisar) including cost of Specials such as tees, bends, sockets, elbow etc. cutting, threading and testing in trenches in the ground complete.15mm	100.00	Mtr	126.00	12600
47	28.36b	Providing and laying, jointing, fixing, testing ISI Marked G.I. Pipe (as per IS 1239) B-class, premium make such as (Jindal Hisar) including cost of Specials such as tees, bends, sockets, elbow etc. cutting, threading and testing in trenches in the ground complete.20mm	100.00	Mtr	160.00	16000
48	28.4a	Providing, Fixing and jointing G.I. Union Coupling (of approved make with the approval of Engineer-in-charge) as per IS 1879 in G.I. pipe lines complete in all respect15mm i/d G.I union	10.00	No's	86.50	865
49	28.4b	20mm i/d G.I union	10.00	No's	145.50	1455
50	28.43b	Providing, fixing and jointing ISI Marked Gun-Metal peet valves (Heavy Pattern) as per IS 778 with hand wheels, on G.I. pipe lines laid in the ground or inside buildings including all carriages complete.20mm i/d Gun metal peet valve heavy pattern	5.00	No's	554.50	2773
51	28.56b	Cutting holes upto 23cm square through B.B. in cement walls or stone masonry wall in cement for pipes, and making good the same 7 finishing according to existing finish where required.Through wall 22.88 cm thick	10.00	No's	160.50	1605
52	30.85c	Cutting chase in brick walls in cement or in floor for embedding G.I or C.I pipes line and making good the same to its original conditionSize 75mm x 50mm	215.00	Mtr	46.50	9998
53	14.150	Baroda green marble flooring 15mm to 20mm thick over 12.5 mm thick base of Cement mortar 1:3 laid and jointed with white cement slurry with pigment to match the shade of marble including rubbing & Polishing.	14.00	Sqm	2044.95	28629
54	10.33	Nicking cement concrete surface (Over 28 days old including preparation and laying slurry).	50.00	Sqm	21.58	1079
55	17.13ii	Wire gauge fixed on 1 chowket including 25mm champ wood bedding, complete in all respects.	10.00	Sqm	676.27	6763
56	17.23ii	Cost of Aluminium fittings complete for doors, windows such as tower bolts, handleless and screw etc. for thFor shutter area above 0.50 sqmese fittings (Excluding sliding bolt)	81.50	Sqm	144.04	11739
57	17.10 iii) (a) (ii)	Hollock wood doors shutter windows shutter including hinges, screws, chocks, cheats, stops cords etc. complete fixed in position.Panelled, glazed or glazed and paneled (Double leaf) 35mm	6.00	Sqm	1889.06	11334
58	17.11 ii) a)	Wire gauge Hollock wood door/ window shutter without springs housed in chowkhat.35mm	12.50	Sqm	1657.15	20714
59	30.19 b)	Extra for Providing & Fixing G.I 40mm waste pipe including elbow, reducer etc. complete in all respect	30.00	Each	425.50	12765
60	30.56 B)	Providing & Fixing in position C.P Brass overhead shower 1 flow without shower arm with 15mm i/d inlet of approved make (to the approval of Engineer-in-charge) complete in all respect	8.00	Each	825.50	6604
61	30.64 C)	Providing & Fixing in position C.P. Brass Hexa Nipple 15mm of approval make (to the approval of the Engineer-in-charge) with various fixtures complete in all respects	5.00	Each	74.50	373
62	30.72c	Providing & fixing in position PVC flexible tube connection of approved make (to the approval of Engineer-in-charge) complete in all respects PVC tube connection of size 15 mm x 450 mm with C.P. Brass nut	25.00	Each	160.00	4000
63	30.66b	Providing & Fixing in position stop cock/ angle valve of approval make (to the approval of the Engineer-in-charge) complete in all respectsC.P Brass 15mm Concealed stop cock with flange	5.00	Each	1185.50	5928
64	30.66c	Providing & Fixing in position stop cock/ angle valve of approval make (to the approval of the Engineer-in-charge) complete in all respectsC.P Brass 15mm angle valve without flange	5.00	Each	796.00	3980
65	16.14	Finishing walls with exterior decorative cement based paint such as snowcem, robbiacem etc. two or more coats to give an even shad	3647.00	Sqm	65.31	238186
66	15.75	Forming groove of uniform size from 12x12mm and upto 25x15mm in plastered surface as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repairs to the edges of plaster panel and finishing the groove complete as per specifications and direction of the Engineer-in-Charge	183.00	Rmt	14.16	2591

4

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68	16.19a	Painting two or more coats with synthetic enamel paints in all shades on old wood work or metallic or plastered or concrete surface to give an even shade including rubbing down old paint special quality	2712.00	Sqm	52.95	143600
69	14.102	Providing and laying resilient vinyl sheet floorcovering 2 mm thick, having a vinyl plastic wear layer with backing intended for use in light commercial and residential buildings, duly fixed to the base floor using adhesive as approved by the manufacturer.	170.00	Sqm	811.30	137922
70	16.6	Preparation of plastered surfaces for distempering including surface, applying filling with approved quality filler consisting of plaster of paris and chalk mitti including finishing the surface to the required finish complete 25% of total area	100.00	Sqm	35.03	3503
71	31.5a	Renewing glass panes with putty and nails wherever necessary @8.44kgs per sqm	125.00	Sqm	687.45	85932
72	17.46a	Providing and fixing 12mm thick prelaminate particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in paneling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides.	139.50	Sqm	905.59	126330
73	10.8a	Cement concrete 1:5:10 with brick ballast 40mm gauge	47.50	cum	2452.42	116490
74	14.155 AC-11	60mm thick interlocking tiles ordinary colour including sand layer and sand complete as per specifications	260.00	Sqm	635.63	165264
75	8.18	Dismantling stone flooring	103.94	Sqm	52.83	5492
76	NS	Disposal of material outside the campus	15.59	cum	200.00	3118
77	18.15	Providing and fixing nuts and bolts 6 nos for each foundation av weight 0.79 kg	189.60	kgs	69.60	13196
78	10.16+	Reinforced cement concrete M-25 with cement @425/kg per cum hand mixed but excluding steel reinforcement centring and shuttering in foundation and plinth	31.18	cum	4710.67	146879
79	11.36	115mm thick brick wall in cement sand mortar 1:4 without reinforcement in superstructure	60.00	sqm	485.45	29127
80	17.45 a	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate z sections and other sections conforming to IS: 733 and IS : 1285 of Jindal, Hindalco, Mahavir or equivalent make approved by Engineer in Charge, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC Plug/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/paneling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-In-Charge. (Glazing and paneling to be paid for separately) :	850.00	kgs	339.17	288294
81	17.45 iii b	For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and labour for fixing of fittings wherever required including the cost of PVC Plug / neoprene gasket required	380.00	kgs	351.84	133700
82	17.47 a	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC Plug/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item) A Float glass panes of 5.5 mm thickness	267.00	Sqm	976.58	260748
83	17.49 a	Providing and fixing aluminium sliding door bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete :300x16mm	22.00	nos	126.56	2784
84	17.43 c	Providing and fixing hydraulic door closer ISI mark with necessary screw etc. complete	22.00	Nos	1131.32	24889
85	NS	Providing and fixing concealed steel lock ISI mark with necessary screw etc. complete	22.00	Nos	165.00	3630
86	NS	Providing and fixing PVC 250x7mm interlocking wall paneling premium quality with curves drilled screwed along existing walls including shading as desired by Engineer In Charge complete in all respects.	256.97	Sqm	968.40	248850
87	15.65	Providing and Fixing ceiling consisting of 600mmX600mmX12.5mm thick Gypsum Board G.I. Cradling hanged from the ceiling by means of G.I. hanger complete as per drawings, specifications and to the entire satisfaction of engineer-in-charge.	225.00	Sqm	962.33	216525

5

S. No.	Ref to CSR	Description of Item	Qty	Unit	Rate	Amount
88	33.07	REPLACEMENT OF WIRES, SHEETS, SWITCHES AND OTHER ACCESSORIES IN THE EXISTING RECESSED CONDUIT PIPE WIRING SYSTEM (WITH FLUSH PIANO TYPE SWITCHES): Wiring in PVC insulated copper conductor single core FR cable (ISI marked), 1100volts grade to be laid in existing heavy gauge welded conduit pipe 20 mm/25 mm dia (1.6mm thick) ISI Marked, recessed in wall etc., complete with electronic fan regulators (socket size), bell push, electronic buzzer, 3pin 6Amp., 3pin 16/20 Amp. Sockets and 6 Amp./16/20Amp. Switches (flush piano type accessories) etc. and covered with brown bakelite white glazed translucent backside painted sheet 3mm thick etc., & including the cost of flush piano type switches/sockets, step type electronic fan regulator 100 watts, PVC connector (For Fan Box and Electronic Buzzer), PVC Bush, & copper wire and other petty material etc. including the cost of repair of chases:- (Derived From CSR 33.03)Make List PVC Conduit (ISI Marked) AKG,Diplast,Finolex Poly India ,Polycab.List PVC Copper Wire :- Finolex/Polycab/Havell.s.Make List Accessories Switch, Socket etc. Fine (Top Class , Anchor's ((Penta Urea), Vinay(catry), SSK (Touch)Wiring in PVC insulated copper conductor single core FR cable (ISI marked), 1100volts grade to be laid in existing heavy gauge welded conduit pipe 20 mm/25 mm dia (1.6mm thick) ISI Marked, recessed in wall etc., complete with electronic fan regulators (socket size), bell push, electronic buzzer, 3pin 6Amp., 3pin 16/20 Amp. Sockets and 6 Amp./16/20Amp. Switches (flush piano type accessories) etc. and covered with brown bakelite white glazed translucent backside painted sheet 3mm thick etc., & including the cost of flush piano type switches/sockets, step type electronic fan regulator 100 watts, PVC connector (For Fan Box and Electronic Buzzer), PVC Bush, & copper wire and other petty material etc. including the cost of repair of chases:- (Derived From CSR 33.03)	0.00			
89	(i) a	Wiring fan point without fan box in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq. mm, 1100volts grade with step type electronic fan regulator 100watts (socket size).	20.00	Each	437.96	8759
90	(ii)	Wiring light point in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq. mm, 1100volts grade.	150.00	Each	207.56	31134
91	(iii)	Wiring call-bell point in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq. mm, 1100volts grade with bell push and electronic buzzer 230 volts AC (including the cost of bell push, electronic buzzer & powder coated concealed metal box for electronic buzzer).	4.00	Each	263.27	1053
92	(iv)	Wiring 3 pin 6 Amp. wall socket point in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq. mm, 1100volts grade complete with bonding to existing earth with PVC insulated copper conductor single core FR cable (ISI marked) overall 1 sq. mm, 1100volts grade.	50.00	Each	183.24	9162
93	(v)	Wiring 3 Pin 6 Amp. Plug control comprising wall socket and switch including bonding to existing earth with PVC insulated copper conductor single core FR cable (ISI marked) overall 1 sq. mm, 1100volts grade complete.	20.00	Each	101.56	2031
94	(vi)	Wiring 3 pin 16/20 amp. power plug control and switch.	20.00	Each	146.63	2933
95	(vii)	Wiring light point in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq. mm, 1100volts grade complete without control switch.	100.00	Each	75.16	7516
96	(viii)	Wiring light point in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq. mm, 1100volts grade complete with double control switches.	10.00	Each	313.49	3135
97	33.09	PVC INSULATED SINGLE CORE FR COPPER CONDUCTOR CABLE: Supply and erection of PVC insulated single core FR copper conductor cable ISI marked left bare in pipe or casing of suitable size excluding the cost of supply and erection of pipe or casing.Make Finolex/Polycab/Havell.s.	0.00			
98	(ii)	PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq.mm, 1100volts grade	700.00	Metre	15.11	10577
99	(iii)	PVC insulated copper conductor single core FR cable (ISI marked) overall 2.5 sq.mm, 1100volts grade	600.00	Metre	21.61	12966
100	(iv)	PVC insulated copper conductor single core FR cable (ISI marked) overall 4 sq.mm, 1100volts grade	500.00	Metre	29.97	14985
101	(v)	PVC insulated copper conductor single core FR cable (ISI marked) overall 6 sq.mm, 1100volts grade	180.00	Metre	45.01	8102
102	33.12	PVC, HDPE PIPES & PVC FLEXIBLE PIPES: Supply &erection of PVC pipes & HDPE pipes (fire retardant) for wiring purposes including bends, inspection boxes etc., where necessary including other petty material as per PWD General Specifications (Electrical Works):-	0.00			0
103	(i)	Heavy gauge PVC conduit pipe 20mm dia. (ISI marked) On SurfaceMake Poly India, Diplast,Ravindra, Polycab	100.00	Metre	28.85	2885

6

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104	(ii)	Heavy gauge PVC conduit pipe 25mm dia. (ISI marked) On Surface Make Poly India. Diplast. Ravindra. polycab	70.00	Metre	37.02	2591
105	33.15	SUPPLY AND ERECTION OF WIRING ACCESSORIES: Supply and erection of switches, sockets, power switch and sockets and other accessories (flush piano type/ modular accessories) in the existing bakelite/ modular cover frame including connections and petty material etc. Make List Accessories Switch, Socket etc. Fine (Top Class , Anchor's ((Penta Urea), Vinay(catry), SSK (Touch)				
106	(i)	Single pole 6amp. switch flush piano type	100.00	Each	20.84	2084
107	(ii)	Two way 6amp. switch flush piano type	20.00	Each	25.06	501
108	(iii)	Single pole 16amp. switch flush piano type	30.00	Each	57.59	1728
109	(iv)	Single pole 6amp. bell push	20.00	Each	25.06	501
110	(v)	3pin 6amp. wall socket flush piano type	50.00	Each	29.49	1475
111	(vi)	3pin 16amp. wall socket flush piano type	30.00	Each	67.95	2039
112	(vii)	Step type fan regulator (socket size)	30.00	Each	199.46	5984
113	(viii)	TV socket flush piano type (switch size)	10.00	Each	29.75	298
114	(xxi)	Ceiling rose (flush piano type)	50.00	Each	27.87	1394
115	(xxii)	Bakelite batten holder large size	100.00	Each	27.86	2786
116	(xxiii)	Call bell 220/230 volts AC ding dong	4.00	Each	94.48	378
117	33.16	MINIATURE CIRCUIT BREAKERS/ RCBO's/ RCCB's: Supply and erection of Miniature Circuit Breakers/ RCBO's/ RCCB's in the existing MCB distribution board as per PWD General Specifications (Electrical Works) including connections with suitable size of thimbles/lugs. GROUP-B: (Havell's, HPL, ABB, Indo Asian & other brands approved by PWD)				
118	(xviii)	Miniature circuit breaker single pole 6 to 32amp. (Breaking capacity 10kA, Curve-C) suitable for 240/ 415 volts 50cycles AC supply.	30.00	Each	131.73	3952
119	(xxiii)	Miniature circuit breaker double pole 40amp. (Breaking capacity 10kA, Curve-C) suitable for 240/ 415 volts 50cycles AC supply	20.00	Each	575.19	11504
120	(xxxii)	Miniature circuit breaker four pole 50, 63amp. (Breaking capacity 10kA, Curve-C) suitable for 240/ 415 volts 50cycles AC supply	4.00	Each	1266.23	5065
121	33.17	SHEET METAL DOUBLE DOOR DISTRIBUTION BOARD FOR MCB/ RCBO/ RCCB's: Supply and erection of sheet metal double door distribution boards of suitable size and of required no. of ways for mounting miniature circuit breakers/ RCBO's/ RCCB's in the existing MCB distribution board as per PWD General Specifications (Electrical Works) including connections with suitable size of thimbles and bonding to existing earth etc. GROUP-B: (Havell's, HPL, ABB, Standard & other brands approved by PWD)				
122	(xiv)	Sheet metal double door S.P. & N. distribution board (dust protected) provided with bus bar, neutral link and din bar, suitable for incorporating MCB's/ RCBO/ RCCB's, 12 way each	4.00	Each	1155.59	4622
123	NS	Supply and Erection of 1200mm (48") ceiling fan sweep with double ball bearing and aluminum blades without regulator suitable for 220V, 50Hz. AC supply Make: Havell's Velocity/ Orient New Breeze	16.00	No's	2055.00	32880
124	NS	Supply & erection of heavy duty Exhaust Fan off size 12" 900 -950 RPM compete with louver shutter of matching colour of exhaust fan on the existing surface according to the site requirements, including then cost of louver shutter including connection & testing etc. Complete in all as denied by the Engineer-in-Charge of the work. Make- Orient/ crompton/ Havell's	4.00	No's	3500.00	14000
125	NS	Supply, Installation & Testing of 36 Watt Electronic Blast suitable for 36 Watt FTL Lamp including Tube Light ISI standard complete in all respects make Philips/ Crompton / Havell's	16.00	No's	685.00	10960
126	33.02	RECESSED PVC CONDUIT PIPE WIRING SYSTEM WITH MODULAR SWITCHES:				

S. No.	Ref to CSR	Description of Item	Qty	Unit	Rate	Amount
127		Wiring in PVC insulated copper conductor single core FR cable (ISI marked), 1100volts grade to be laid in heavy gauge. PVC, fire retardant conduit pipe 20mm/25mm dia. ISI Marked, recessed in wall etc., complete with powder coated/anodized concealed metal boxes required for suitable number of modules, for having electronic fan regulators, bell push, electronic buzzer, 3pin 6Amp., 3pin 16/20Amp. Sockets and 6Amp./16/20Amp. Switches (Screw Type Modular Accessories) etc., and covered with Frame Plate etc., & including the cost of required number of modular switches/sockets, step type electronic fan regulator 100watts, PVC connector (For Fan Box and Electronic Buzzer), Steel Hooks, Circular Inspection Box (Recessed Type and Deep Type) PVC conduit pipe & copper wire and other petty material etc. including the cost of cutting and filling up of chases:-Make List of PVC Copper Wire :- Finolex/Polycab/Havell.s. Make List of Accessories Modular Switch, Socket etc.:- North West, Legrand (Mosaic Series), SSK Grand, PVC pipe make ISI :- AKG, Dleplast Finolex, PolyIndia Heavy				
128	(i) a	Wiring fan point without fan box in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq. mm, 1100volts grade with step type electronic fan regulator 100watts.	5.00	Each	898.79	4493.9475
129	(ii)	Wiring light point in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq. mm, 1100volts grade.	10.00	Each	508.92	5089.245
130	(iv)	Wiring 3 pin 6 Amp. wall socket (Shuttered) point in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq. mm, 1100volts grade complete with bonding to existing earth with PVC insulated copper conductor single core FR cable (ISI marked) overall 1 sq. mm, 1100volts grade.	5.00	Each	501.66	2508.2925
131	(v)	Wiring 3 Pin 6 Amp. Plug control comprising wall socket (shuttered) and switch including bonding to existing earth with PVC insulated copper conductor single core FR cable (ISI marked) overall 1 sq. mm, 1100volts grade complete.	5.00	Each	340.28	1701.42
132	(vi)	Wiring 3 pin 16/20 amp. power plug control (shuttered) and switch.	5.00	Each	399.97	1999.83
133	33.08	REPLACEMENT OF WIRES, COVER FRAMES, MODULAR SWITCHES, CONCEALED METAL BOX AND OTHER ACCESSORIES IN THE EXISTING RECESSED CONDUIT PIPE WIRING SYSTEM (WITH MODULAR TYPE ACCESSORIES):				
134		Wiring in PVC insulated copper conductor single core FR cable (ISI marked), 1100volts grade to be laid in the existing heavy gauge welded conduit pipe 20 mm/25 mm dia (1.6mm thick) ISI Marked, recessed in wall etc., complete with powder coated/anodized concealed metal boxes required for suitable number of modules, for having electronic fan regulators (two module), bell push, electronic buzzer, 3pin 6Amp., 3pin 16/20 Amp. Sockets and 6Amp./16/20Amp. Switches etc., and covered with Frame Plate etc., & including the cost of required number of modular switches/ sockets, step type electronic fan regulator 100 watts, PVC connector (For Fan Box and Electronic Buzzer), PVC Bush, & copper wire and other petty material etc. including the cost of repair of chases:- Make List of PVC Conduit Pipe 2 mm Thickness (ISI Marked) Make List of PVC Copper Wire :- Finolex/Polycab/Havell.s. Make List of Accessories Modular Switch, Socket etc.:- North West, Legrand (Mosaic Series), SSK Grand.				
135	(i) a	Wiring fan point without fan box in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq. mm, 1100volts grade with step type electronic fan regulator 100watts (two module).	4.00	Each	743.49	2973.978
136	(ii)	Wiring light point in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq. mm, 1100volts grade.	30.00	Each	341.75	10252.62
137	(iv)	Wiring 3 pin 6 Amp. wall socket (Shuttered) point in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq. mm, 1100volts grade complete with bonding to existing earth with PVC insulated copper conductor single core FR cable (ISI marked) overall 1 sq. mm, 1100volts grade.	5.00	Each	410.39	2051.9625
138	(v)	Wiring 3 Pin 6 Amp. Plug control comprising wall socket (shuttered) and switch including bonding to existing earth with PVC insulated copper conductor single core FR cable (ISI marked) overall 1 sq. mm, 1100volts grade complete.	5.00	Each	326.79	1633.9575
139	(vi)	Wiring 3 pin 16/20 amp. power plug control (shuttered) and switch.	5.00	Each	381.26	1906.275
140	(vii)	Wiring light point in PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq. mm, 1100volts grade complete without control switch.	30.00	Each	85.06	2551.815
141	33.09	PVC INSULATED SINGLE CORE FR COPPER CONDUCTOR CABLE:				
142		Supply and erection of PVC insulated single core FR copper conductor cable ISI marked left bare in pipe or casing of suitable size excluding the cost of supply and erection of pipe or casing. Make List of PVC Copper Wire :- Finolex/Polycab/Havell.s.				

S. No.	Ref to CSR	Description of Item	Qty	Unit	Rate	Amount
143	(i)	PVC insulated copper conductor single core FR cable (ISI marked) overall 1 sq.mm. 1100volts grade	200.00	Metre	11.41	2282.7
144	(ii)	PVC insulated copper conductor single core FR cable (ISI marked) overall 1.5 sq.mm. 1100volts grade	500.00	Metre	15.11	7554.75
145	(iii)	PVC insulated copper conductor single core FR cable (ISI marked) overall 2.5 sq.mm. 1100volts grade	270.00	Metre	21.61	5834.43
146	(iv)	PVC insulated copper conductor single core FR cable (ISI marked) overall 4 sq.mm. 1100volts grade	500.00	Metre	29.97	14983.5
147	(v)	PVC insulated copper conductor single core FR cable (ISI marked) overall 6 sq.mm. 1100volts grade	90.00	Metre	45.01	4051.215
148	(vi)	PVC insulated copper conductor single core FR cable (ISI marked) overall 10 sq.mm. 1100volts grade	90.00	Metre	73.27	6594.21
149	33.12	PVC, HDPE PIPES & PVC FLEXIBLE PIPES: Supply & erection of PVC pipes & HDPE pipes (fire retardant) for wiring purposes including bends, inspection boxes etc., where necessary including other petty material as per PWD General Specifications (Electrical Works):- Make -AKG,Diplast.Finolex, Poly India heavy.				
150	(i)	Heavy gauge PVC conduit pipe 20mm dia. (ISI marked) On Surface	200.00	Metre	28.85	5770.8
151	(ii)	Heavy gauge PVC conduit pipe 25mm dia. (ISI marked) On Surface	200.00	Metre	37.02	7404.6
152	(xx)	Supply and erection of PVC flexible pipe complete without compression glands, locking arrangement, check-nuts as required :-				
153	(a)	PVC flexible pipe 20mm dia.	200.00	Metre	10.86	2171.4
154	33.16	MINIATURE CIRCUIT BREAKERS/ RCBO's/ RCCB's: Supply and erection of Miniature Circuit Breakers/ RCBO's/ RCCB's in the existing MCB distribution board as per PWD General Specifications (Electrical Works) including connections with suitable size of thimbles/lugs. GROUP-B: (Havell's, HPL, ABB, Indo Asian & other brands approved by PWD)				
155	(xviii)	Miniature circuit breaker single pole 6 to 32amp. (Breaking capacity 10kA, Curve-C) suitable for 240/ 415 volts 50cycles AC supply	20.00	Each	131.73	2634.66
156	(xxiii)	Miniature circuit breaker double pole 40amp. (Breaking capacity 10kA, Curve-C) suitable for 240/ 415 volts 50cycles AC supply	8.00	Each	575.19	4601.52
157	(xxxii)	Miniature circuit breaker four pole 50, 63amp. (Breaking capacity 10kA, Curve-C) suitable for 240/ 415 volts 50cycles AC supply	1.00	Each	1266.2	1266.2265
158	33.17	SHEET METAL DOUBLE DOOR DISTRIBUTION BOARD FOR MCB/ RCBO/ RCCB's: Supply and erection of sheet metal double door distribution boards of suitable size and of required no. of ways for mounting miniature circuit breakers/ RCBO's/ RCCB's in the existing MCB distribution board as per PWD General Specifications (Electrical Works) including connections with suitable size of thimbles and bonding to existing earth etc.GROUP-B: (Havell's, HPL, ABB, Standard & other brands approved by PWD)				
159	(xiii)	Sheet metal double door S.P. & N. distribution board (dust protected) provided with bus bar, neutral link and din bar, suitable for incorporating MCB's/ RCBO/ RCCB's, 8 way each	2.00	Each	897.00	1794.009
160	(xvi)	Sheet metal double door T.P. & N. distribution board (dust protected) provided with bus bar, neutral link and din bar, suitable for incorporating FP/ TPN MCB's/ isolators for incoming and DP/ SP & N/ Single Pole MCB's/ RCBO/ RCCB's for outgoing 4 way each	2.00	Each	1829.7	3659.355
161	NS	Supply, Installation & Testing of 15Watt LED Down light complete in all respects make Philips/ Crompton / Havell's	25.00	Each	1000	25000
162	NS	Supply and Erection of wall fan (white colour) 400mm sweep multi Speed swing type for 220V, 50Hz, AC supply Make: make Orient/Havells/Crompton	12.00	Each	2600	31200
163	NS	Supply, Installation & Testing, Commissioning of 1.5 Ton Split AC ,3 star , copper coil with 10 feet insulated copper pipe.Drain Pipe 32 mm 10 feet .Required suitable Stablizer in copper wound for 1.5 Ton AC. Outdoor Stand & MCB DP box powder coated including connection with suitable copper wire 4 sqmm. Complete in all respect & as desired by the Engineer-in-Charge of the work. make carrier, Mitshubishi Electric, blue star	4.00	Each	60000	240000
164	NS	Supply & Erection of Copper Pipe with insulation required for 1.5 ton Split Ac	10.00	mtr	700	7000
165	NS	Supply , Erection PVC Drain Pipe 32 mm	30.00	mtr	70	2100
166	NS	Supply and Erection LCD Projector Ceiling Mount Bracket Stand (Heavy Duty). 3 ft with Adjustable Height , Powder Coated (This stand can be used for different brands of projectors like sony, sharp, hitachi etc.) HDMI Cable 20 Mtr complete in all respect.	2.00	Each	2000	4000
167	NS	Supply , Erection,installation and testing of Amplifier 75 watt USB play make Ahuja	1.00	Each	7800	7800
168	NS	Supply , installation and testing of LT Control speaker 10 watt inter - connected individually with amplifier make Ahuja with copper cable 23/76 in existing ceiling (Size 25ftX50ft)	4.00	Each	1200	4800

(9)

S. No.	Ref to CSR	Description of Item	Qty	Unit	Rate	Amount
169	NS	Supply, installation & Testing of one Collar Mic and one Hand Mic / Wireless(Dual mic with receiver) Make Ahuja	1.00	Set	4300	4300
170	NS	Supply, installation & Testing of Goose Neck Mic (Cord less and wired), with Base, receiver & Cable etc- Make Ahuja	1.00	Each	4200	4200
Total						4628322

Note: 1. Any error regarding description, reference to CSR quantity, rate, premium, unit calculations omission, addition will be corrected at any stage as per CSR, AOR, specifications and drawings and no claim whatsoever shall be entertained on this account.

2. Quantity may vary at the time of execution of Work

Say Rs. 4628322/-

(Rs. Forty Six Lac Twenty Eight Thousand Three Hundred and Twenty Two Only)

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