



GOVERNMENT OF SINDH

SINDH GOVERNMENT

PMC HOSPITAL NAWABSHAH

M & R ELECTRICAL WORKS AT MS BUILDING, BLOCK

- A, B & E

BILL OF QUANTITIES

ESTIMATED COST RS.		M
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SINDH GOVERNMENT
PMC HOSPITAL NAWABSHAH
M & R ELECTRICAL WORKS AT MS BUILDING, BLOCK - A, B & E

SUMMARY OF COST

S No	ITEMS OF WORKS	AMOUNT
1	M & R Electrical Works at MS Building	
2	M & R Electrical Works at Block - A	
	TOTAL OF NON-SCHEDULE ITEMS	
	TOTAL AMOUNT	



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M & R ELECTRICAL WORKS AT MS BUILDING, BLOCK - A, B & E

ABSTRACT OF COST

S/No.	Item Description	Unit	Qty	RATE	AMOUNT
	ELECTRICAL WORKS				
	Supply, installation, testing and commissioning of the following items of work (unless specifically stated otherwise) including all material, labour, tools, plant, accessories, etc., required for proper completion of each item as per specifications. (Section-2601 "General Specifications for Electrical Works" shall be applicable to all BOQ items).				
	LT SWITCHBOARDS / LT OUTDOOR DISTRIBUTORS				
	Ref. Spec. Sec. 2632, 2633, 2712, 2740				
1E	Following LT Switchboards, LT Outdoor Distributors (as per single line diagram shown on drawings) including all control wiring, foundation, related civil works and all accessories, etc. complete in all respects:				
	a) TP-MCCB-BOX	Job	1		
	b) MLTP- MS	Job	1		
	c) EDB-MS	Job	1		
	LT CABLES				
	Ref. Spec. Sec. 26/27-12				
2E	Following sizes of multi core PVC insulated and PVC sheathed, armoured/unarmoured copper conductor cables in already installed underground PVC pipe or in trench or on cable trays, for power and miscellaneous wiring including all accessories:				
	a) 4 core, 120 sq. mm. PVC/PVC	RM	7		
	b) 4 core, 185 sq. mm. PVC/PVC	RM	55		
3E	Excavation in all kinds of soil (for LT cables), upto any depth as required, including disposal of surplus, excavated, rejected material to designated place.	Cu.M	43		
4E	Backfilling of cable trench (for LT cables) with approved material, including sand bed cover and Pevlar, protective tiles, warning tape, etc., complete in all respects.	Cu.M	33		
	CONDUITS & PIPES				



	Ref. Spec. Sec. 2630								
5E	Following sizes (internal diameter) of underground class 'D' PVC pipe with all accessories, pull wire / nylon rope, socket, pipe end cap etc. including excavation, compaction and backfilling etc., complete in all respects.								
	a) 50 mm dia	RM	50						
	b) 100 mm dia	RM	80						
	EARTHING								
	Ref. Spec. Sec. 2612, 2640								
6E	Following sizes of single core PVC insulated copper conductor cable as earth continuity conductor (ECC) installed on surface or on already installed cable tray or on already installed pipes/conduits or in trench etc:								
	a) 95 sq. mm.	RM	55						
	b) 70 sq. mm.	RM	7						
7E	19 mm dia, 3 meter long copper clad steel Rod type earth electrode including 2x70 sq.mm PVC copper conductor cable as earthing lead, clamp with nuts and bolts, R.C.C. inspection chamber with medium duty G.I cover, excavation, backfilling, and all accessories, etc., as shown on the drawings, complete in all respects.	Nos.	1						
	MISCELLANEOUS								
	Ref. Spec. Sec. 2690								
8E	150 mm x 75 mm perforated G.I cable tray with cover including joints, bend, mounting brackets, earthing braid at each joint, hangers, complete with all accessories.	RM	5						
9E	300 mm x 100 mm perforated G.I cable tray with cover including joints, bend, mounting brackets, earthing braid at each joint, hangers, complete with all accessories.	RM	9						
		RM	7						
10E	Removal of Existing Cables From Existing DBs and terminet on New D.Bs and Panels.								
	a)Ground Floor	Job	1						
11E	Removal of Existing DBs and Panels.								
	a)Ground Floor	Job	1						
12E	CORE Cutting in rcc slab and walls as required								
	a 75mm	Job	5						



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ABSTRACT OF COST**

S/No.	Item Description	Unit	Qty	RATE	AMOUNT
	ELECTRICAL WORKS				
	Supply, installation, testing and commissioning of the following items of work (unless specifically stated otherwise) including all material, labour, tools, plant, accessories, etc., required for proper completion of each item as per specifications. (Section-2601 "General Specifications for Electrical Works" shall be applicable to all BOQ items).				
	LT SWITCHBOARDS / LT OUTDOOR DISTRIBUTORS				
	Ref. Spec. Sec. 2632, 2633, 2712, 2740				
1E	Following LT Switchboards, LT Outdoor Distributors (as per single line diagram shown on drawings) including all control wiring, foundation, related civil works and all accessories, etc. complete in all respects:				
	a) TP-MCCB-BOX	Job	1		
	b) MLTP-A	Job	1		
	c) MAIN Emergency DB	Job	1		
	d)	Job			
	e)	Job			
	f)	Job			
	LT CABLES				
	Ref. Spec. Sec. 2612-12				
2E	Following sizes of multi core PVC insulated and PVC sheathed, armoured/unarmoured copper conductor cables in already installed underground PVC pipe or in trench or on cable trays, for power and miscellaneous wiring including all accessories:				
	a) 4 core, 150 sq. mm. PVC/PVC	RM	25		
	b) 4 core, 240 sq. mm. PVC/PVC	RM	75		
3E	Excavation in all kinds of soil (for LT cables), upto any depth as required, including disposal of surplus, excavated, rejected material to designated place.	Cu.M	21		



4E	Backfilling of cable trench (for LT cables) with approved material, including sand bed cover, protective tiles, warning tape, etc., complete in all respects.	Cu.M	27		
	CONDUITS & PIPES				
	Ref. Spec. Sec. 2630				
5E	Following sizes (internal diameter) of underground class 'D' PVC pipe with all accessories, pull wire / nylon rope, socket, pipe end cap etc. including excavation, compaction and backfilling etc., complete in all respects.				
	a) 50 mm dia	RM	27		
	b) 100 mm dia	RM	89		
	EARTHING				
	Ref. Spec. Sec. 2612, 2640				
6E	Following sizes of single core PVC insulated copper conductor cable as earth continuity conductor (ECC) installed on surface or on already installed cable tray or on already installed pipes/conduits or in trench etc:				
	a) 95 sq. mm.	RM	75		
	b) 70 sq. mm.	RM	25		
7E	19 mm dia, 3 meter long copper clad steel Rod type earth electrode including 2x70 sq.mm PVC copper conductor cable as earthing lead, clamp with nuts and bolts, R.C.C. inspection chamber with medium duty C.I cover, excavation, backfilling, and all accessories, etc., as shown on the drawings, complete in all respects.	Nos.	1		
	MISCELLANEOUS				
	Ref. Spec. Sec. 2690				
8E	150 mm x 75 mm perforated G.I cable tray with cover including joints, bend, mounting brackets, earthing braid at each joint, hangers, complete with all accessories.	RM	5		
	300 mm x 100 mm perforated G.I cable tray with cover including joints, bend, mounting brackets, earthing braid at each joint, hangers, complete with all accessories.	RM	9		
9E	100 mm x 100 mm perforated G.I cable tray with cover including joints, bend, mounting brackets, earthing braid at each joint, hangers, complete with all accessories.	RM	7		
12E	Removal of Existing Cables From Existing DBs and terminet on New D.Bs and Panels.				

