

# CONTRACTOR BILL

FOR CONTRACTORS & SUPPLIERS ONLY FOR PAYMENT FOR WORK OR SUPPLIES ACTUALLY MEASURED WORK ORDER

SI No.	Particulars	Details
FOR CONTRACTORS & SUPPLIERS ONLY FOR PAYMENT FOR WORK OR SUPPLIES ACTUALLY MEASURED		
WORK ORDER		
Cash Book Voucher No.		
Name of Contractor or supplier :		
	M/s Seema Electrical Udaipur	
Name of Work :-		
	Electric Repair and MTC work at Govt. Ambedkar hostel Ambamata, Govardhanvilas, Udaipur	
Serial No. of this bill :		
No. and date of the last bill-		
Reference to work order or Agreement :		
Agreement No.		
Date of written order to commence work :		
St. date of Start :		
St. date of completion :		
Date of actual completion of work :		
Date of measurement :		
WORK ORDER AMOUNT RS.		

Unit	Quantity executed (or supplied) since last certificate	Quantity executed (or supplied) upto date as per MB	S. No.	Item of Work supplies (Grouped under "sub-head" and "sub work" of estimate)	Rate	Upto date Amount	Amount Sine previous bill (Total for each sub head)
1	2	3	4	5	6	7	8
			1	Rewiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) in recessed ISI marked MMS ( IS:9537 P - III ) virgin material PVC conduit & it's ISI marked (IS:3419-1988) accessories, round tiles, 1.2 mm thick MS box with earth terminal, 6 A switch, 3 pin ceiling rose/holder / 3 way connector , 3.0 mm thick ISI marked (IS:2036-1995) phenolic laminated sheet, Al.alloy / Cadmium plated iron/ brass screws, cup washers, making connections, testing etc. as required. For specification of copper Conductor, Phenolic Laminated sheet's & Electrical/ Wiring accessories refer Chapter E - 04, E - 05 & E - 07 For additional technical parameters of product / work refer Annexure 'A' attached with this BSR	0	0	
P. point		52.0		Short point (up to 3 mtr.)	256	13312	

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1	2	3	4	5	6	7	8
P. point		48.0		Medium point (up to 6 mtr.)	472	22656	
P. point		52.0		Long point (up to 10 mtr.)	662	34424	
			2	Rewiring of 3/5 pin 6 amp. Light plug point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) in recessed ISI marked MMS ( IS:9537 P - III ) virgin material PVC conduit & it's ISI marked (IS:3419-1988) accessories, 1.2 mm thick MS box with earth terminal of required size, 6 A switch, 3/5 pin 6 A socket, 3.0 mm thick ISI marked (IS:2036-1995) phenolic laminated sheet, Al.alloy / Cadmium plated iron/ brass screws, cup washers, making connections, testing etc. as required. For specification of copper Conductor, Phenolic Laminated sheet's & Electrical/ Wiring accessories refer Chapter E - 04, E - 05 & E - 07 For additional technical parameters of product / work refer Annexure 'A' attached with this BSR	0	0	
P. point		102.0		On board	136	13872	
Each		8.0	3	P & F ISI marked (IS:3854) 6 amp. flush type non modular switch with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material including cutting hole in tile and making connection testing etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	23	184	
Each		32.0	4	P & F ISI marked (IS :3854) 16 amp. flush type non modular switch CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material including cutting hole in tile and making connection testing etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	50	1600	
Each		22.0	5	Providing & Fixing of 3/5 pin 6 amp. flush type non modular socket made out from industrial grade Polycarbonate or fire resistant ABS material, brass terminal with Porcelain based back cover & captive screws including cutting hole in tile and making connection testing etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	33	726	
Each		36.0	6	Providing & Fixing of 3/6 pin 16 amp flush type non modular socket made out from Industrial grade Polycarbonate or fire resistant ABS material, brass terminal with Porcelain based back cover & captive screws including cutting hole in tile and making connection testing etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	78	2808	
Each		12.0	7	Providing & Fixing of ISI marked (IS:371) 6 amp surface type 3 pin ceiling rose with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material, brass terminal & captive screws including making connection testing etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	30	360	

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1	2	3	4	5	6	7	8
Each		8.0	8	Providing & Fixing of ISI marked (IS:1258) batten/angle lamp holder with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material, brass terminal & captive screws including making connection testing etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	30	240	
Each		0.0	9	Providing & Fixing of IS 11037:1984 marked non modular socket size flush type 180 watt rotary minimum 5 step fan regulator with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material including making connection testing etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	219	0	
Each		0.0	10	Providing and fixing of power plug point with non modular accessories as per PWD specification for electrical Works with Galvanized box of 1.2 mm thick with earth terminal with suitable size phenolic laminated sheet (IS : 2036 - 1995) cover including cost of 16 amp. Switch (IS :3854) and 3/6 pin 16 amp. socket outlet making connection , testing , etc. as required . . For specification of Wiring accessories refer Chapter E - 07 related item & For additional technical parameters of product / work refer Annexure 'A' attached with this BSR	303	0	
			11	S&F following sizes (dia.) of ISI marked virgin material MMS ( IS:9537 P - III ) PVC conduit along with ISI marked (IS:3419-1988) accessories as required in recess including cutting the wall, covering conduit and making good the same as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR	0	0	
R. mtr.		2985.0		20 mm	40	119400	
R. mtr.		0.0		25 mm	56	0	
			12	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor as per PWD specification for electrical Works with ISI marked (IS:694) and as per IS 8130 : 2013 of 1.1 kV grade . Wire should be made from 99.90 % purity copper, class 2 stranding in acc. to IS:8130/IEC 60228 for lower watt loss , oxygen free for less chances of oxidization, insulation PVC type A/C/D , flame retardant as per IS 10810-53, better amperage rating as per IS:3961 part 5, in existing surface or recessed PVC/ MS conduit/casing capping making connections with Copper Lugs of suitable size, Ferrules, testing etc. as required. OEM Must have its own in house NABL lab setup for all testing facilities for wires. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR	0	0	
Mtr.		9000.0		2 x 2.5 sq. mm. + 1x1.5sqmm	81	729000	
Mtr.		0.0		2 x 4.0 sq. mm. + 1 x 2.5 sq. mm.	122	0	

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1	2	3	4	5	6	7	8
Set		0.0	13	Plate Earthing as per IS:3043 with Hot dipped G.I. Earth plate of size 600mm x 600mm x 6.0mm by embodying 3 to 4 mtr . below the ground level with 20 mm dia. G.I. 'B' class watering Pipe ,including all accessories like nut, bolts, reducer, nipple, wire meshed funnel, and Heavy duty weather proof polypropylene earth pit chamber with lockable Jam free lid suitable for safe working load 5000 Kg or more of size Top Dia. 225 to 260 mm, Bottom Dia 300 to 350 mm. and Height 250 to 300 mm. and embodying the pipe complete with alternate layers salt and coke/ charcoal, testing of earth resistance for value of 5 ohms or less as required & must record by engineer in charge during site visit and ensure to enter in measurement book.All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	5733	0	
			14	Supply & Laying following size earth wire in horizontal or vertical run in ground/surface/recess including riveting, soldering , saddles, making connection with GI/Cu purity >95% t himble etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	0	0	
Mtr.		35.0		8 SWG G.I. ( Hot Dipped ) Wire	20	700	
			15	Providing & Fixing of BEE Star rated copper wound double ball bearing capacitor start, aluminium body & Metallic blade ceiling fan conforming to all the performance requirements laid down in IS 374:2019 including all amendments, as applicable ; & Carry BIS licensing (i.e. ISI marking) with down rod up to 80 cm with secondary support safety cable ( steel rope ) , cotter pin with 3 x 1.5 sq.mm pvc insulated flexible copper conductor making connection testing etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	0	0	
Each		12.0		1200 mm Sweep BEE 1 Star rated (service value >=4.0 to < 4.5 )	1890	22680	
			16	Providing & Fixing of IP20 SMD Mid Power LED batten type integrated light fixture made from Powder coated Extruded aluminium housing with in built driver , System lumen efficacy ≥ 110 lm/Watt output, internal surge protection of 2.5 KV with Short & Open circuit protection , THD < 10% , P. F.≥0.95, CRI >80 , life time of minimum 50000 Burning Hours with , 70% of initial Lumen maintained till life ends , CCT 3000°K / 4000°K / 5700°K /6000°K/6500°K (As per ANSI Bin) , Maximum power consumption should not more than the specified rating and Fixture shall be of BIS standard and trade mark certificate ( T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures. (LM79 & LM80) certificate / Report from OEM shall be submitted. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	0	0	
Each		78.0		1170mm(+/-10%) LED batten with min. lumen output 2200 lm	492	38376	

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1	2	3	4	5	6	7	8
			17	Providing & Fixing of 240/415 V AC MCB with positive isolation of 10 kA breaking capacity (B/ C/D tripping characteristic as per type of load and site requirement) 4 KV impulse withstand voltage, ISI marked IS 8828(1996) / conforming to IEC 60898-1 2002, IEC 60947-2, low watt losses, trip free mechanism, energy limiting of class 3 as per IEC, minimum phase termination capacity of 35sq.mm., conductor line load reversibility, IP 20 contact protection and fitted in existing distribution board/sheets, minimum electrical operation 20,000 upto 20 A rating and 10,000 upto 63 A, 5000 for 80 A & above rating including making connections, testing etc. as required. OEM shall have submit NABL / CPRI / ERDA accredited lab type test reports & All as per pre approved by Engineer in charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR	0	0	
				Single pole MCB (With B/C curve tripping Characteristics)	0	0	
Each		88.0		6 A to 32 A rating	187	16456	
				Double pole MCB(With B/C curve tripping Characteristics)	0	0	
Each		35.0		50/63 A rating	900	31500	
			18	Providing & Fixing of Recessed/surface mounting heavy duty horizontal type Double Door ( Metal / Glazed )Distribution board with Metal end box made out from Galvanized steel / CR CA sheet not less than 1.2 mm thick conforming to IS-8623-1 & 3 / IEC 61439- 1 & 3, powder painted complete with reversible door (for double door DB only )100 amp. insulated copper bus bar/shorting link, copper neutral link, copper earth link, color coded interconnecting wire set of suitable rating and din bar,masking sheet, making internal DB terminations with copper lugs, Ferrules, detachable gland plate, including making connections, testing etc. as required. OEM shall have submit NABL / CPRI / ERDA accredited lab type test reports & All as per pre approved by Engineer in charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR	0	0	
				Metal door (single phase) IK-09 and IP-43 with Metal end box	0	0	
Each		25.0		8 Way (8+2)	2184	54600	
				Extra Items			
Each		2.0	E-01	Minimum lumen output 2500 lm Post top Luminarie	5075	10150	
Each		4.0	E-02	6 A 3/5 pin shuttered socket	107	428	
Each		5.0	E-03	6/16 A shuttered socket	176	880	
Each		5.0	E-04	Providing & Fixing of modular type lockable feature socket duly made out of unbreakable and fire retardant vergin polycarbonate with brass terminals and captive screws & silver alloy contact tip with IP-20 rating, including all as per pre approved by Engineer in charge, making connections, testing etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR	345	1725	
Each		4.0	E-05	6 A 3/5 pin shuttered socket	107	428	
Each		5.0	E-06	6/16 A shuttered socket	176	880	
				Total		1148223	
				Premium @ 4.11%	4.11%	45329	

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1	2	3	4	5	6	7	8
				Grand Total		1193552	
				Deduction (Amount Paid in Last Bill)		-0	
				Net Payable Amount		1193552	