



# JAIPUR DEVELOPMENT AUTHORITY, JAIPUR

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No. JDA/EE (Elect-III) /2026/D-475

Date: 05/3/2026

## Corrigendum

**Sub:** Annual Electrical Operation, Repair and Maintenance Contract for Two Years of JDA Staff Quarters at Sethi Colony, Lalkothi and Malviya Nagar and Nehru Place, JDA, Jaipur.

The bid was published under NIB no. 38/2025-26 (Tender ID 2026\_JDAJP\_541144\_1) for which last date of submission of bid is 05.03.2026.

The item sr. no. was not mentioned in the G-Schedule of said NIB which is due to typographical error, thus, the G-schedule mentioning item sr. no. is enclosed herewith.

Also, the dates of NIB are hereby extended as under-

Sr. No.	Existing date	Extended Date
Bid submission end date	05.03.2026	07.03.2026
EMD submission in form of BG	06.03.2026 to 10.03.2026 up to 3.30 PM	09.03.2026 to 11.03.2026 up to 3.30 PM
Bid Opening Date	11.03.2026, 11:00 AM	12.03.2026, 11:00 AM

Encl:- G-Schedule with item Sr. No.

Executive Engineer (Elect.-III)  
JDA, Jaipur

**JAIPUR DEVELOPMENT AUTHORITY**

**Name of Work : Annual Electrical Operation, Repair and Maintenance Contract for Two Years of JDA Staff Quarters at Sethi Colony, Lalkothi and Malviya Nagar and Nehru Place, JDA Jaipur**

**G-SCHEDULE**

**Based on PWD Electrical BSR 2022**

S.No.	PARTICULARS	UNIT	QTY.	RATE	AMOUNT
1.0	Wiring 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 Hot Dipped Galvanized Modular Box with earth terminal, 10A Modular switch, Modular face plate with grid plate, 3 pin ceiling rose / Holder /3 way connector, screws, 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				
1.1	Short point (up to 3 mtr.)	P.Point	150.00	359.00	53850.00
1.2	Medium point (up to 6 mtr.)	P.Point	50.00	578.00	28900.00
2.0	Wiring 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 ) PVC conduit & it's ISI marked (IS:3419-1988) accessories, Hot Dipped Galvanized Modular box of 1.2 mm thick with earth terminal, 10 A modular switch, 3/5 pin 6 A modular socket, Modular face plate with grid plate, screws, 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				
2.1	On board	P. point	150.00	357.00	53550.00
2.2	Short point (up to 3 mtr.)	P. point	50.00	507.00	25350.00
3.0	S&F following sizes of ISI marked ( IS:14927 P - II ) virgin material UPVC trunking along with accessories like coupler, inner, outer, elbow, square box, tee, end cap etc. on surface with screws, expansion fasteners as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
3.1	25 mm x 12 mm	R. mtr.	500.00	50.00	25000.00
4.0	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				
4.1	25 mm.	R. Mtr.	500.00	56.00	28000.00
5.0	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 5 stranding in acc. to IS:8130/IEC 60228 for lower watt loss , oxygen free for less chances of oxidation, 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				
5.1	2 x 1.5 sq.mm	Mtr.	4000.00	43.00	172000.00
5.2	2 x 2.5 sq.mm	Mtr.	3000.00	61.00	183000.00
5.3	2 x 2.5 sq. mm. + 1 x 1.5 sq.mm	Mtr.	1450.00	81.00	117450.00
5.4	1 x 4.0 sq.mm	Mtr.	700.00	48.00	33600.00
5.5	2 x 4.0 sq.mm. + 1 x 2.5 sq.mm	Mtr.	1400.00	122.00	170800.00
6.0	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				
6.1	Single pole MCB (With B/C curve tripping Characteristics), 6 A to 32 A rating	Each	100.00	187.00	18700.00
6.2	Four pole MCB (With B/C curve tripping Characteristics), 50/63 A rating	Each	45.00	1,745.00	78525.00

S.No.	PARTICULARS	UNIT	QTY.	RATE	AMOUNT
7.0	Providing & Fixing of 240/415 V Isolator ISI marked IS:13947-III/conforming to IEC 60947-3, suitable for AC22A utilization category, 4KV impulse withstand voltage, true contact indication, Red colour dolly / lever shall have single mould covering over all poles for operation , two position din rail mounting, minimum phase termination capacity of 35sq.mm. IP 20 contact protection and fitted in existing distribution board / sheet 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				
7.1	Double pole isolator, 63 A rating	Each	40.00	453.0	18120.00
7.2	Four pole isolator, 63 A rating	Each	10.00	818.0	8180.00
8.0	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 .	Each	260.00	23.00	5980.00
9.0	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 .	Each	160.00	50.00	8000.00
10.0	Providing & Fixing of ISI marked (IS :3854) non modular 6A bell push surface type 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 approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	Each	40.00	34.00	1360.00
11.0	Providing & Fixing of 6 amp. Combined flush type non modular socket and switch set as per PWD specification for electrical Works,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 .	Each	250.00	123.00	30750.00
12.0	Providing & Fixing of 16 amp. Combined flush type non modular socket and switch set with indicator and fuse set as per PWD specification for electrical Works, 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 .	Each	150.00	180.00	27000.00
13.0	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 screwsincluding 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 .	Each	45.00	30.00	1350.00
14.0	Providing & Fixing of ISI marked (IS:1293) 6 amp unbreakable 3 pin plug top having lamp indicator with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material, brass terminal 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 .	Each	40.00	44.00	1760.00
15.0	Providing & Fixing of ISI marked (IS:1293) 16 amp unbreakable 3 pin plug top having lamp indicator with CM/L no. printed and made out from industrial grade Polycarbonate or fire resistant ABS material, brass terminal 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 .	Each	40.00	68.00	2720.00
16.0	Providing & Fixing of IS 11037:1984 marked non modular socket size flush type 120 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 .	Each	150.00	199.00	29850.00
17.0	Providing & Fixing of single / multi tone electronic call bell as per PWD specification for electrical Works, 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 .	Each	145.00	492.00	71340.00
18.0	Providing & Fixing of modular type switch/ bell push duly ISI marked (IS :3854) with CM/L no. printed and made out of unbreakable and fire retardant verglin UV Stabilized Polycarbonate with brass terminals and captive screws & silver alloy contact tip with IP-20 rating ,minimum width of switch toggle( PUSH PART ) should not less then 20mm, 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				

S.No.	PARTICULARS	UNIT	QTY.	RATE	AMOUNT
18.1	10 A one way switch	Each	500.00	55.00	27500.00
18.2	16 A one way switch With Led Indicator	Each	150.00	113.00	16950.00
19.0	Providing & Fixing of modular type lockable feature socket duly made out of unbreakable and fire retardant vergin poly carbonate 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				
19.1	6 A 3/5 pin shuttered socket	Each	300.00	107.00	32100.00
19.2	6/16 A shuttered socket	Each	200.00	176.00	35200.00
20.0	Providing & Fixing of modular type 120 W Step Fan regulator duly ISI marked (IS 11037:1984 ) with CM/L no. printed made out of unbreakable and fire retardant vergin poly carbonate 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				
20.1	5 step fan regulator 2 Module 360 dgree rotating	Each	100.00	398.00	39800.00
21.0	Providing & Fixing of following modular accessories as per PWD specification for electrical Works, made out of unbreakable and fire retardant vergin poly carbonate 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				
21.1	Blanking plate	Each	100.00	22.00	2200.00
21.2	Modular MCB 6 A to 32 A SP	Each	50.00	225.00	11250.00
22.0	Providing & Fixing of following size mounting grid plates with cover plates made from fire retardant UV established high performance engineering plastic suitable for all universal metal boxes for front installation & removal direct fit type complete in all respect.All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .				
22.1	1/2 Module	Each	50.00	65.00	3250.00
22.2	3 Module	Each	25.00	86.00	2150.00
22.3	4 Module	Each	25.00	89.00	2225.00
22.4	8 Module	Each	50.00	155.00	7750.00
22.5	12 Module	Each	25.00	214.00	5350.00
23.0	Providing & Fixing of Wiring Accessories OEM fabricated following size virgin material UPVC modular boxes on surface suitable for modular accessories 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 .				
23.1	1-2-3 Module	Each	50.00	98.0	4900.00
23.2	4-5 Module	Each	25.00	152.0	3800.00
23.3	6-8 Module	Each	50.00	216.0	10800.00
23.4	10-12 Module	Each	25.00	287.0	7175.00
24.0	Providing & Fixing of BEE Star rated copper wounded 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 . 1200 mm Sweep BEE 1 Star rated (service value >=4.0 to < 4.5 )	Each	75.00	1890.00	141750.00
25.0	Providing & Fixing of of Double ball bearing, copper wounded capacitor start single phase metallic blade fresh air fan, in existing opening including cost of hardware , flexible 3 core copper conductor ,making connections, 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 . 300 mm sweep	Each	25.00	1822.00	45550.00
26.0	Providing & Fixing of Heavy duty capacitor start, copper wound Double ball bearing 900/1400 RPM single phase Exhaust fan conforming to IS:2312 ISI marked in existing opening including making connections 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 . 300 mm sweep(900/1400 RPM)	Each	25.00	3175.00	79375.00
27.0	Providing & Fixing of 400 mm Sweep BLDC technology Oscillating type Wall mounting / Pedestal type fans with Three speed, ON and OFF position, Double Wall bearing with front and back 120 or more ribs guard; Three no. blades, noise level should be <= 75 dB, including fixing with anchor bolts, making connection testing etc. as required. ( With Remote ) All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR . Wall mounting type with Service value 2.0 CMM /W, Min. Air Delivery 71 CMM	Each	15.00	4,699.00	70485.00

S.No.	PARTICULARS	UNIT	QTY.	RATE	AMOUNT
28.0	Providing & Fixing of Street light bracket made out from following size of 'B' class , Medium class G.I. Pipe conforming to IS : 1239 P - 1 ( 2004 ) with heavy duty pole clamp, Saddles suitable fastners 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 .				
28.1	32 mm Dia.	Mtr.	30.00	742.00	22260.00
29.0	Providing & Fixing of IK08, IP 66 protected LED Street Light Luminaire on existing bracket/pole. Fixture made of powder coated single piece pressure die cast aluminum material with heat dissipation fins on housing with UV stabilized PC (UV stabilization report submitted for UV cover ) /Toughened Glass cover and secondary lens on each LED & should be SMD type of 3 to 5 watt each . The System efficacy >=125 lm/ wt and potted driver & has a unique BIS R number with Input Voltage AC 120 to 270 V AC with High voltage Cutoff @>=300 V AC and Auto resetting Safety , Power Factor >0.95 driver Efficiency >85% ,THD(I) <10% Humidity 10% to 90% RH Working Temp -5C to 45C . driver current <750mA. The luminaire shall be BIS certified and Trade mark certified. Life Expectancy Equal or more than 50000 burning hrs with Minimum 70% lumen maintained , CRI >70 and CCT 5700K +355K. Surge protection shall be min ≥ 4 KV internal and min 10 KV external inside driver compartment. driver should be Phase to phase protection of 440 V for 4 Hrs. Manufactures Word Mark/Name Engraved/Embossing on die cast housing to allow traceability/authenticity. Fixture shall be AS PER IS 10322 Complianced.OEM Must have its own in house NABL lab setup for all testing facilities for LED fixtures. (LM79/LM80) Certificate/ report with liable warranty of product/accessories 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 . LED Street Light fixture with Minimum lumen output 8700 lm	Each	20.00	5847.00	116940.00
30.0	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 .				
30.1	1170mm(+/-10%) LED batten with min. lumen output 2200 lm	Each	400.00	492.00	196800.00
31.0	Charges for oiling, overhauling of ceiling fan, table fan, pedestal fan irrespect to the size of fan including removing,refixing of fan from site and testing etc. as required. Fans w/o Removing & Refixing	Each	500.00	40.00	20000.00
32.0	S & F of capacitor of 230V/ 275V, 50Hz rating of plastic casing and terminals -Lugs or copper wire.				
32.1	Starting capacitor, 20-30 micro farad	Each	100.00	134.00	13400.00
33.0	P & Replacement of plastic/metallic sheet condensor holder suitable for ceiling fan/exhaust fan /motor etc complete as required. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.	Each	100.00	23.00	2300.00
34.0	P & replacement of supporting legs(4 no.) of vertical pump of desert cooler as required for Desert Cooler/ exhaust fan. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.	Each	50.00	114.00	5700.00
35.0	Replacement of cooler pads (heavy) set of 3 no. of size 25" x 27"	Each	50.00	100.00	5000.00
36.0	P & F aluminium blade for 20" desert cooler fan as required.	Each	50.00	221.00	11050.00
37.0	Servicing and overhauling of 20" sweep desert cooler including oiling, greasing, painting of tank from inside with rubber paint after properly dismantling each assembly and refixing the same as required.	Each	100.00	247.00	24700.00
38.0	P & F of submercible pump set suitable for 18/24 "Desert coolers.	Each	50.00	308.00	15400.00
39.0	P & F fan motor suitable for 20" desert cooler including making connection testing etc. as required. with Aluminium winding Motor ISI Marked	Each	25.00	2025.00	50625.00
40.0	Rewinding of Heavy duty Exhaust fan motor including all necessary material,The motor is to be wound taking no. of coils,turns and pitch as it was originally wound with required size super enamelled wire with 'E' class insulation material and making connections etc. as required. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.				
40.1	300/ 380 mm sweep	Each	50.00	783.00	39150.00
41.0	Rewinding of motor of desert cooler fan with super enamelled copper wire, 'E' class insulation material including removing,refixing,testing etc. as required. Replacement of material or components shall be use as per guidelines of OEM of original product. All the scrap material should be retained by the contractor.	Each	100.00	891.00	89100.00

S.No.	PARTICULARS	UNIT	QTY.	RATE	AMOUNT
42.0	Providing & Fixing of Vertical(BEE 5 star rated) / Horizontal( BEE 3 star rated) storage water heater with outer casing made of Engineering Plastic sheet (Upto 25 Ltr) / Metal rust proof Body (35 & 50 Ltr), Glass - line / Titanium Enamel coated Pressure Pump Compatible 8 bar pressure Inner tank, Glass Line Coated , mineral filled heating element, stem type, snap action adjustable thermostat , Dual indicating lamps Injected PUF insulation, Multi Function Valve etc. as required held in position with 2/4 no. 10/12 mm anchor Fastener, duly wired with 3 core 2.5/4.0 Sqmm PVC insulated & sheathed copper conductor and 16 A/25A three pin plug top with Portable Residual Current Device ( PRCD ) , including making inlet, outlet Flexible alloy 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 .				
42.1	6 Ltr.	Each	10.00	8511.00	85110.00
42.2	15 Ltr.	Each	20.00	10304.00	206080.00
43.0	Providing & Fixing of stem type ISI marked (IS 3017 / 85) snap action adjustable thermostat storage water heater including making connection testing etc. complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	Each	30.00	602.00	18060.00
44.0	Providing & Fixing of stem type ISI marked (IS 3017 / 85) , snap action bipolar adjustable thermostat with built in auto thermal cut out of storage water heater including making connection testing etc. complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	Each	30.00	883.00	26490.00
45.0	Providing & Fixing of 2 / 3 KW nickle plated, mineral filled heating element including making connection testing etc complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	Each	30.00	1043.00	31290.00
46.0	Providing & Fixing of Glass Line Coated , mineral filled heating element including making connection testing etc complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	Each	30.00	1805.00	54150.00
47.0	Providing & Fixing of Multi safety valve of 8.5 bar capacity with built in drain, NRV, Vacuum release, Pressure release etc. as required complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .I technical parameters of products/ work , refer Annex ure "A" attached with this BSR .	Each	30.00	441.00	13230.00
48.0	Providing & Fixing of Twin neon indicating lamp of superior quality for storage water heater complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	Each	30.00	120.00	3600.00
49.0	Providing & Fixing of 13 mm Brass with C.P. finished ISI marked angle valve for storage water heater as required complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	Each	30.00	433.00	12990.00
50.0	Providing & Fixing of heavy duty flexible alloy pipe for storage water heater for inlet and outlet of suitable length including the cost of nuts, washers etc complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .				
50.1	450 mm	Set	30.00	562.00	16860.00
50.2	600 mm	Set	30.00	642.00	19260.00
51.0	Charges for descaling of storage water heater including replacement of Multi Function Valve as required.	P.Job	30.00	720.00	21600.00
52.0	Charges for Fixing of storage water heater including 10/12 mm Anchor fasteners of suitable size, testing, carrying from store to site,etc. as required.	P.Job	30.00	313.00	9390.00
53.0	Providing & Fixing of 2.0 KW twin ceramic cartridge, Withstands temperatures up to 1000 C long lasting even in hard water including making connection testing etc complete in all respect. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .	Each	30.00	1043.00	31290.00
54.0	Providing & Laying P.V.C. / XLPE insulated & P.V.C. sheathed Armoured Aluminium cable confirming to IS:1554 P-I / IS :7098 P - I of 1.1 KV with H4- Grade electrolytic aluminium conductor confirming to IS 8130 of purity >99.6 %, round / flat strip armouring of cables, Inner / outer sheath confirming to IS:5831 in existing RCC / Hume / Stoneware / PVC pipe/ open duct/cable trench / Cable tray(with cable tie) including testing etc. as required of following size. OEM must have it's own in house NABL accredited Laboratory for testing procedure as per IS:10810.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
54.1	10.0 Sq.mm, 2 core	Mtr.	750.00	152.00	114000.00
54.2	25.0 Sq.mm, 3.5 core	Mtr.	500.00	285.00	142500.00
54.3	185.0 Sq.mm, 3.5 core	Mtr.	350.00	1415.00	495250.00

S.No.	PARTICULARS	UNIT	QTY.	RATE	AMOUNT
55.0	P/Laying ISI marked P.V.C. insulated submersible cable conforming to(IS:694) and as per IS 8130 : 2013 of 1.1 kV grade . Wire should be made from 99.90 % purity copper, 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, existing pipe / open trench / Cable tray / on surface including making connection etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
55.1	6.0 Sq.mm 3 core flat / Round	Mtr.	100.00	300.00	30000.00
56.0	Add extra in item no. 11.1 to 11.4 for Laying Charges for cable through Manual Boggi by making pit at regular interval and repairing the pit after laying of cable with PCC/ Bitumin as required.	Mtr	300.00	114.00	34200.00
57.0	Supply and installation of spike of M.S. rod 20mm dia 3.0mtr. long for earthing of (tower/pole) drive into earth by mechanical means sturcture connection the spike with cross arm top hamper PCC pole, lattics tower to earth etc. complete as per technical specification of DISCOM.	Each	10.00	1819.00	18190.00
58.0	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 purity >95% thimble 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 .				
58.1	8 SWG G.I. (Hot Dipped) Wire	Mtr.	50.00	20.00	1000.00
59.0	SITC of IP-42 and general construction confirming to IS:8623 : 1993, wall/ free standing floor mounted dust and vermin proof compartmentalised cubical panel as specifications and Other parameters required as per point (a) ,(b), (c),(d), (e), (f), (g), (h) as below:-				
	<b>(a)</b> Thickness of CRCA sheet shall be 2.0 mm, cable alley compartments having concealed hinged type doors with key type lock with / without detachable extension type structure. Removable 3 mm. thick sheet steel gland plates with appropriate size of knockouts for cables shall be provided				
	<b>(b)</b> complete panel shall undergo a process of degreasing, Water rinsing, Activation, derusting, pickling in acid bath, phosphatising & shall be subjected to nine tank process and then Powder coated with approved shade of minimum 70 microns on both side of panel. The panel having PE foam/ Neoprene rubber gasket of not less than 3mm thickness ,required hardware , concealed hinged door with key type locking arrangement for equipment/switchgear earthed with 2.5 sq.mm braided copper wire.				
	<b>(c)</b> Interconnection between bus bar and switchgears /cable shall be rigidly supported and made out by flexible copper wires (up to 63 amp ) and by solid bus bar (>63 amp ) . control wiring will be carried out with 1.5 Sq.mm, Earth wire with 2.5 Sq.mm and CT with 2.5 sq.mm flexible copper wire only. All joints / interconnections of copper bus bar shall be dully tinned . Clearance between main bus bar and risers / metal parts shall be at least 10 mm additional to width of bus bar Bus bar is insulated by Heat Shrinkable sleeves . Earth and Neutral bus bar shall be half of the size of phase bus bar. ( Cost of Bus bar / Flexible wire for Interconnection between Main busbar and Switchgear is to be Paid Extra )				
	<b>(d)</b> Wiring between components within switchgear and Incoming / outgoing cable shall be done through the terminal block only. Direct connection shall not be permitted. Each terminal block shall be one piece moulded, barrier type, 650 volt grade, complete with washers, heads, studs with two nuts and identification strips and shall have adequate continuous current rating. For tap-offs, adjacent terminals with shorting strips shall be used. 10% Spare terminal blocks shall be provided. Wire identification on marking strip shall correspond to the designation of the wiring diagrams. All wire terminals on the equipment shall also be marked with designation corresponding to those of the wiring diagram.				
	<b>(e)</b> All wiring shall be enclosed in plastic channels and neatly bunched and closed in metering chamber, Wiring between terminals of various devices shall be 'point to point' (no wire splitting or tee connections) with wires neatly trucked along the back of the panels, adequately supported to prevent sagging.				
	<b>(f)</b> Floor mounted panel shall be mounted on Base frame of ISMC channel size 100 x 50 x 5 mm ( to be paid Extra )				
	<b>(g)</b> Tests: The insulation resistance (with 1000 V Megger) and High voltage Power frequency test (by applying a voltage of 2.5KV for one minute) shall be measured between phases, between phase and neutral and between phase and earth. both before and after high voltage power frequency test. The insulation resistance shall not be less than three megaohm. CT Secondary current injection test shall also be carried out.				
	<b>(h)</b> only outer surface area on all sides shall be measured & panel to be fabricated only from CPRI approved fabricator only (CPRI Test certificates to 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 .	Sq. Mtr	50.00	5975.00	298750.00

S.No.	PARTICULARS	UNIT	QTY.	RATE	AMOUNT
60.0	Supplying and fixing of Aluminium (IEC 60105 ISO 209-1,2) / Copper (IEC 60028) bus bar by means of SMC / DMC type Insulator with standard short circuit withstand capacity , high tensile nuts and bolts spring washers in existing panel including bending , cutting in required shape and size and colour coding with heat shrinkable PVC sleeves. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .				
60.1	Electrolytic grade Aluminium bus bar 6010 grade	Kg.	30.00	542.00	16260.00
61.0	Providing & Fixing of IS: 13875 & IEC :61326 confirming LED Digital type (up to 500) V range Volt meter / Direct- Ammeter / CT oertated ammeter/ Frequency meter / KWH meter / Multi Function Meter / Power analyzer of class 1 accuracy as per IS : 1248 of size 96mm x 96 mm including making connection by PVC insulated copper conductor with PVC sleeves / channel 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 .				
61.1	Three phase Ammeter with Inbuilt Selector Switch	Each	2.00	1689.00	3378.00
61.2	Three phase Voltmeter with Inbuilt Selector Switch	Each	2.00	1689.00	3378.00
61.3	Three phase with universal Auxiliary supply + AMP + HZ + PF + KW + KVA + KVAR + KVARH + KWH + DUAL ENERGY+ ENERGY+THD-I, THD-V & RUN HRS + MD with RS485	Each	2.00	6272.00	12544.00
62.0	P & F in position frame made out of M.S. angle (riveted or welded) finished with two coats of red oxide and two coats enamel paint including cutting, welding, holes etc.of following sizes as required.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
62.1	50mm x 50mm x 6mm	Mtr.	40.00	551.00	22040.00
63.0	Providing & Fixing of BIS approved Current Transformer as per PWD specification for electrical Works ,ISI marked as per IS 2705-1992/ conforming to IEC 60044-1, with secondary terminal of CT shall be brought out suitable to a terminal block which shall be easier accessible for testing and terminal connection , with all necessary support in existing panel including connection etc. as required Current transformer Ring Type Tape Wound/Resin Cast Wound as per IS 16227 with, Accuracy Cl, CT ratio and burden as specified. ISF<=5, Cu cross section of secondary wire 1.5sqmm (minimum), including all necessary support in existing panel including connection etc. as required . All as per pre approved by Engineer in charge.All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .				
63.1	Ring type tape wound CT, CT Class 1, Ratio 200/5 to 300/5, Burden 10 VA	Each	6.00	788.00	4728.00
64.0	P & F paper phenolic resin bonded laminates confirming to IS : 2036 - 1995 for boxes/ frames including making holes for switches etc, with brass screws, washers/ zinc plated nut and bolts as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
64.1	12.0 mm thick	Sq.m	2.00	2161.00	4322.00
65.0	Providing & Fixing of 110/220 V, unibody LED Indicating lamp IEC 60947 with integral circuit, IP 65 above panel & IP 20 terminal block, Approx. body dia for panel not less than 20 mm, length min. 50mm, front LED cover dia min. 29 mm, contact material phospher bronze for Led, PCB contacts shall be of brass (tin plated), impulse dielectric tested for 2.5 KV, Rated insulation resistance shall be 100 M ohm at 500VDC including connection 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 .				
65.1	Red/yellow/Green colour	Each	6.00	170.00	1020.00
66.0	Supply and fixing of LT Distribution Kiosk confirming to IS:13947/1993/ IEC 60947 Pt.3 amended up-to-date and as per DISCOM specifications made of 2 mm thick powder coated CRCA sheet of 415 volts 3 phase 4 wire triple pole and neutral type, complete in all respect as required. Including Incoming Switch Disconnecter Fuse unit, Aluminium Busbar with copper one piece U contacts base, brass studs and nuts, copper busbar for main and interconnection, MS Channel frame of 75 mm x 40 mm grouted with C.C. of M-10 grade to achieve the height of 1.5 feet above the road level suitable for required no. outgoing. All as per pre approved by Engineer in charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
66.1	200 Amp. LT Distribution Kiosk for 63/100 KVA Transformer	Each	2.00	37639.00	75278.00
67.0	Providing & Fixing of mechanical / digital time switch having following day / week programme and minimum 100 hours reserve and AC1 rating of 16-20 amperes including making connection, programming conforming to IEC 60730-1 and 60730-2-7 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 .				
67.1	One day & week reserve (Analog type )	Each	2.00	4690.00	9380.00

S.No.	PARTICULARS	UNIT	QTY.	RATE	AMOUNT
68.0	Providing & Fixing of AC operated heavy duty 230 /440 Volt power contactor as per PWD specification for electrical Works, ISI marked IS/IEC 60947-4-1 : 2000 having provision of mechanical interlocking, auxiliary contacts, Din rail mounting type including making connections, 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 .				
68.1	4 pole Power contactors with following AC 1 Rating, 100 Amp	Each	2.00	7849.00	15698.00
69.0	SITC of 3 /4 pole current limiting Moulded case circuit breaker (MCCB) made of flame retardant & heat resistant material having following current rating, short circuit breaking capacity at 440/415 V, 50 Hz; O/L & S/C settings , conforming to IS/IEC 60947 P -2 :2003 with front face and centralised adjustable, trip free mechanism, true contact position indicator, line load interchangeability, designed for both horizontal & vertical mounting without any adverse effect on electrical performance, suitable for operation upto 55 degree and without derating upto 40 degree, pollution degree 3, having positive isolation capability, push (test) to trip, trip time less then 10 ms under s/c condition, Breaking capacity Ics = 100% Icu. U imp =8 KV, rated insulation voltage 690 V. provision for UVR , shunt trip , earth fault trip, door interlock, pad lock & rotary handle , including making connections etc. as required.OEM shall have submit NABL / CPRI / ERDA accredited lab type test certificate before execution All as per pre approved by Engineer in charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
69.1	4 pole MCCB With Thermal Magnetic release, up to 100 Amp , 25 kA, adjustable O/L & adjustable S/C setting	Each	15.00	7112.00	106680.00
69.2	4 pole MCCB With Thermal Magnetic release, 200 Amp, 25 kA, adjustable O/L & adjustable S/C setting.	Each	10.00	15348.00	153480.00
69.2	4 pole MCCB With Thermal Magnetic release, 400 Amp, 35 kA, adjustable O/L & adjustable S/C setting.	Each	2.00	23846.00	47692.00
70.0	Providing experienced and Highly skilled/skilled/ semi-skilled/Un Skilled labour for electric repair/ maintenance / operation of Air conditioning/Air cooling/Fire fighting/Lift/DG set/CCTV/EPABX or any other electromechanical systems as per requirement (one shift of 8 Hrs per day) Add extra for working days				
70.1	Highly Skilled Labour	Each Per Day	730.0	436.0	318280.00
70.2	Semi Skilled labour	Each Per Day	730.0	353.0	257690.00
	<b>Total</b>				<b>5,092,258.00</b>

**Junior Engineer (Elect.-III)**  
JDA, Jaipur

**Assistant Engineer (Elect.-III)**  
JDA, Jaipur

**Executive Engineer (Elect.-III)**  
JDA, Jaipur