

Tender Inviting Authority: JAIPUR DEVELOPMENT AUTHORITY, JAIPUR**Name of Work : ARC for Shifting/Dismantling of HT/LT lines, Transformers at Sector Roads and Various locations in JDA Region, Jaipur****Contract No: EE (ELECT-IV)/06/2025-26**

Name of the Bidder/ Bidding Firm/ Company :

PRICE SCHEDULE**(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)**

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Part-A (Shifting/Dismantling work)					
	Providing & Laying P.V.C. / XLPE insulated & P.V.C. sheathed Un-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 %, 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					
	10.0 Sq.mm 2 core Complete Rate Armoured	4000.000	Mtr.	111.00	444000.00	INR Four Lakh Forty Four Thousand & Paise Zero Only
	16.0 Sq.mm 4 core Complete Rate Armoured	4000.000	Mtr.	179.00	716000.00	INR Seven Lakh Sixteen Thousand & Paise Zero Only
	70.0 Sq.mm 3.5 core Complete Rate Armoured	1500.000	Mtr.	567.00	850500.00	INR Eight Lakh Fifty Thousand Five Hundred & Paise Zero Only
	185.0 Sq.mm 3.5 core Complete Rate Armoured	12000.000	Mtr.	1327.00	15924000.00	INR One Crore Fifty Nine Lakh Twenty Four Thousand & Paise Zero Only
	Add Extra for Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade direct in ground including excavation of trench of size 75 cm (Depth) x 35 cm(Width) , with procedure as per following points:- (a) Make a river sand bed of height 125 mm along the trench, (b) Lay the cable in the middle of the trench, (c) Provide river sand bed of height 125 mm on top of the cable, (d) Lay the protective Common burnt clay F.P.S. Bricks of Class designation 75 / Sand stone slabs of 50 mm thickness and 225 mm wide just above the sand bed vertically across the cable (Approx. 9 no. Bricks per Mtr.), (e) Backfill the excavated soil leaving 300 mm from the Ground level, (f)Lay the Cable warning tape and again back-fill the remaining portion of the trench upto the ground level and compacting the earth	2000.000	Mtr.	185.00	370000.00	INR Three Lakh Seventy Thousand & Paise Zero Only
	Providing & Laying XLPE insulated three core Armoured Aluminium cable for working voltage 11 K.V.(E) confirming IS :7098 P - 2 with H4- Grade electrolytic aluminium conductor confirming to IS: 8130 class-2 of purity >99.6 %, Insulation Screening: Extruded Semiconducting Compound followed by helically wrapped Copper Tape, round / flat strip armoring of cables , Inner / outer sheath PVC type ST-2 confirming to IS:5831 in existing RCC / Hume / Stoneware / PVC pipe/ open duct/cable trench / Cable tray 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 All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .					

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	3 core 185.0 Sq.mm	15000.000	Mtr.	1904.00	28560000.00	INR Two Crore Eighty Five Lakh Sixty Thousand & Paise Zero Only
	Providing & Laying XLPE insulated three core Armoured Aluminium cable for working voltage 33 K.V.(E) confirming IS :7098 P - 2 with H4- Grade electrolytic aluminium conductor confirming to IS: 8130 class-2 of purity >99.6%, Insulation Screening: Extruded Semiconducting Compound followed by helically wrapped Copper Tape, round / flat strip armouring of cables , Inner / outer sheath PVC type ST-2 confirming to IS:5831 in existing RCC / Hume / Stoneware / PVC pipe/ open duct/cable trench / Cable tray 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 All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR . 3 core 300.0 Sq.mm Complete Rate Group 1	6000.000	Mtr.	3959.00	23754000.00	INR Two Crore Thirty Seven Lakh Fifty Four Thousand & Paise Zero Only
	Add Extra for Laying of one number XLPE power cable of 11/33 KV (Earthed) voltage grade direct in ground including excavation of trench of size 120 cm (Depth) x 35 cm(Width) , with procedure as per following points:- (a) Make a river sand bed of height 125 mm along the trench, (b) Lay the cable in the middle of the trench, (c) Provide river sand bed of height 125 mm on top of the cable. (d) Lay the protective Common burnt clay F.P.S. Bricks of Class designation 75 / Sand stone slabs of 50 mm thickness and 225 mm wide just above the sand bed vertically across the cable (Approx. 9 no. Bricks per Mtr.), (e) Backfill the excavated soil leaving 300 mm from the Ground level, (f)Lay the Cable warning tape and again back-fill the remaining portion of the trench upto the ground level and compacting the earth	2000.000	Mtr.	233.00	466000.00	INR Four Lakh Sixty Six Thousand & Paise Zero Only
	Add extra in item no. 1 to 5 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.	32400.000	Mtr.	114.00	3693600.00	INR Thirty Six Lakh Ninety Three Thousand Six Hundred & Paise Zero Only
	Supplying and making one end termination with Nickel plated heavy duty brass single compression gland (as per IS 12943-1990) SIBG type consisting of Check Nut, Gland Body, Metal Washer(3 Nos.), Outer Seal Rubber Ring, Compression Nut, heavy duty aluminium lugs (as per IS 8309 -1993) duly crimped with crimping tool, PVC tape as per IS 8337-1976 of following size of PVC insulated & PVC sheathed/ XLPE aluminium conductor cable of 1100 volt grade 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 .					
	3.5 x 70.0 sq.mm Complete Rate	100.000	Per Set	382.00	38200.00	INR Thirty Eight Thousand Two Hundred & Paise Zero Only
	3.5 x 185.0 sq.mm Complete Rate	500.000	Per Set	1072.00	536000.00	INR Five Lakh Thirty Six Thousand & Paise Zero Only
	Providing & making heat shrinkable type indoor/outdoor/straight through terminations/ joint kit suitable for 11 KV / 33 KV (Earthed) cable with required components, preparation of cable ends. Type test report should be as per IS13573:2011 which covered all sequence for table 2 for termination kit and table 3 for streight through joint inclusive thermal & dynamic short circuit test, humidity test, soil fog test. Cross linking shall be done out side factory with E- beam/ peroxide technology. Extrusion process shall be in house OEM within same vicinity. including testing etc. as required of following sizes. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .					
	11 KV End Termination Kit Indoor type 3 core 120/150/185 Sq.mm Complete Rate Group 1	100.000	Per Set	5862.00	586200.00	INR Five Lakh Eighty Six Thousand Two Hundred & Paise Zero Only
	11 KV End Termination Kit Indoor type 3 core 240/300 Sq.mm Complete Rate Group 1	10.000	Per Set	6845.00	68450.00	INR Sixty Eight Thousand Four Hundred Fifty & Paise Zero Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	11 KV End Termination Kit Outdoor type 3 core 120/150/185/225 Sq.mm Complete Rate Group 1	60.000	Per Set	8063.00	483780.00	INR Four Lakh Eighty Three Thousand Seven Hundred Eighty & Paise Zero Only
	11 KV End Termination Kit Outdoor type 3 core 240/300 Sq.mm Complete Rate Group 1	10.000	Per Set	9330.00	93300.00	INR Ninety Three Thousand Three Hundred & Paise Zero Only
	11 KV Straight Through Joint Kit 3 core 120/150/185/225 Sq.mm Complete Rate Group 1	70.000	Per Set	12076.00	845320.00	INR Eight Lakh Forty Five Thousand Three Hundred Twenty & Paise Zero Only
	11 KV Straight Through Joint Kit 3 core 240/300 Sq.mm Complete Rate Group 1	10.000	Per Set	14357.00	143570.00	INR One Lakh Forty Three Thousand Five Hundred Seventy & Paise Zero Only
	33 KV End Termination Kit Outdoor type 3 core 240/300/400 Sq.mm Complete Rate Group 1	20.000	Per Set	10332.00	206640.00	INR Two Lakh Six Thousand Six Hundred Forty & Paise Zero Only
	33 KV Straight Through Joint Kit 3 core 185/240/300 Sq.mm Complete Rate Group 1	30.000	Per Set	21657.00	649710.00	INR Six Lakh Forty Nine Thousand Seven Hundred Ten & Paise Zero Only
	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 structure connection the spike with cross arm top hamper PCC pole, lattices tower to earth etc. complete as per technical specification of DISCOM. Complete Rate Group 1	480.000	Per Set	1819.00	873120.00	INR Eight Lakh Seventy Three Thousand One Hundred Twenty & Paise Zero Only
	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 .					
	8 SWG G.I. (Hot Dipped) Wire Complete Rate group-I	2315.000	Mtr.	20.00	46300.00	INR Forty Six Thousand Three Hundred & Paise Zero Only
	Supply & Laying following size ' B ' class , G.I. Pipe conforming to IS : 1239 P - 1 (2004) with accessories like bend, socket etc. for laying earth conductor/ strip / cable in ground/ surface/ recess as required. All as per pre approved by Engineer in charge. (Earth Excavation will be Paid Extra)All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annex ure "A" attached with this BSR .					
	150 mm dia. Complete Rate group-I	1000.000	Mtr.	2575.00	2575000.00	INR Twenty Five Lakh Seventy Five Thousand & Paise Zero Only
	Supply and erection of P.C.C. pole as per REC manual no 15/1979 (ammended upto date) and as per latest Discom specifications with factor of safety 2.5 including excavation of pit upto pole planting depth 1/6th of pole length. and back filling with stone aggregate/boulders and soil by ramming and watering etc complete as required. All as per pre approved by Engineer in charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	9.0 Mtr long PCC pole of 200 Kg Working Load Complete Rate Group 1	200.000	Each	5037.00	1007400.00	INR Ten Lakh Seven Thousand Four Hundred & Paise Zero Only
	9.0 Mtr long PCC pole of 400 Kg Working Load	60.000	Each	5918.00	355080.00	INR Three Lakh Fifty Five Thousand Eighty & Paise Zero Only
	Supply and erection of GI stay set conforming to pattern-1 of BS:16/1974 and as per latest Discom Specifications complete with stay rod with anchor plate fitted with cast iron cross head and steel bow, in cement concrete 1:3:6 including excavation of pit-re-filling etc complete as reqd. All as per pre approved by Engineer in charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR. Stay set of dia 16mm, 1.8m long stay rod and anchor plate 300 x 300 x 4.0 mm	25.000	Each	836.00	20900.00	INR Twenty Thousand Nine Hundred & Paise Zero Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	Supply and fixing of following LT Supporting accessories with nut bolt & Clamps made out as per standard Discom's specifications with two coats of Red oxide and two coats of Aluminium paint etc. as required. All as per pre approved by Engineer in charge.For additional technical parameters of product/ work refer Annexure 'A' attached with this BSR					
	LT cross arm 600 mm long with clamp	200.000	Each	460.00	92000.00	INR Ninety Two Thousand & Paise Zero Only
	LT cross arm 1200 mm long with clamp	200.000	Each	787.00	157400.00	INR One Lakh Fifty Seven Thousand Four Hundred & Paise Zero Only
	Supply and fixing of LT porcelain pin insulator as per IS 1445-1997 and as per Discom's standard specifications,suitable for working voltage 1100 volts including all accessories like MS Forged GI LT Pin confirming to IS:7935/1975 (latest amended) Nut, Bolt etc. as required. All as per pre approved by Engineer in charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR 100 mm x 70 mm	600.000	Each	107.00	64200.00	INR Sixty Four Thousand Two Hundred & Paise Zero Only
	Supply and fixing of LT porcelain shackle insulator as per IS:1443 1979 and as per Discom's standard specifications, suitable for working voltage 1100 volts including all accessories like GI Hardware fittings confirming to IS:7935/1975 (latest amended) Nut, Bolt etc. as required. All as per pre approved by Engineer in charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR. 100mm x 110mm	300.000	Mtr.	119.00	35700.00	INR Thirty Five Thousand Seven Hundred & Paise Zero Only
	Supply and fixing of 'V' type cross arms with top hamper and clamps as per latest Discom specifications made of MS angle on the existing poles complete including all necessary nut and bolt, clamps with two coats of Red oxide and two coats of Aluminium paint etc. as required. All as per pre approved by Engineer in charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR	50.000	Each	1417.00	70850.00	INR Seventy Thousand Eight Hundred Fifty & Paise Zero Only
	Supply and fixing of top hamper on the existing pole as per latest Discom specifications complete including nut bolts with two coats of Red oxide and two coats of Aluminium paint etc as required. All as per pre approved by Engineer in charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR.					
	Vertical type, 11 kV (.7m long) (65 x 65 x6mm angle)	50.000	Each	275.00	13750.00	INR Thirteen Thousand Seven Hundred Fifty & Paise Zero Only
	Supply and fixing of MS. Channel Bracket with clamp as per Discom Specifications including Nut, Bolt with two coats of Red oxide and two coats of Aluminium paint etc. as Required. All as per pre approved by Engineer in charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR 1.4 Mtr. Long	30.000	Each	1676.00	50280.00	INR Fifty Thousand Two Hundred Eighty & Paise Zero Only
	Supply and fixing of 11 kV pin insulator confirming to IS:731:1971 with latest ammendment on existing bracket including all accessories like MS forged hot dipped GI Pin confirming to IS 2486(Part-I)/1993 & IS:2486 (Part-II)/1989 with latest amendment, and as per latest Discom specs. etc. as required. All as per pre approved by Engineer in charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR	50.000	Each	175.00	8750.00	INR Eight Thousand Seven Hundred Fifty & Paise Zero Only

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	Supply and fixing of 11kV, 400 Amp 3 pole, central pot rotating double break type isolator (IS:9921 part 1 toV) without earth blade operating mechanism with GI spring loaded reverse loop type fixed contact, solid hard drawn electrolytic copper tubular moving contact with silver/ nickel plated at end points, 9 nos post insulator of 12 kV (IS:2554 & IS 5350 part III), hot dipped galvanising hard ware, nut, bolts etc complete in all respect as per Discom specification 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 .	6.000	Each	22632.00	135792.00	INR One Lakh Thirty Five Thousand Seven Hundred Ninety Two & Paise Zero Only
	Supply and fixing Substation structure for mounting 11/0.4 Kv Transformer on Double pole as per DISCOM specification complete in all respect as required including nuts and bolts etc (excluding the cost of poles) made of MS channel of 4 nos 100 x 50 x 6mm and 4 nos 75 x 40 x 6mm and MS flat 50 x 6mm 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 .	25.000	Each	18245.00	456125.00	INR Four Lakh Fifty Six Thousand One Hundred Twenty Five & Paise Zero Only
	Providing and fixing of single pole mounted substation structure set for isolator / single phase transformer as per DISCOM specification complete in all respect with nuts and bolts as required MS flat 50 x 6mm, MS angle 65 x 65 x6mm, MS channel 100 x 50 x 6mm. (Excluding cost of pole). 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 .	5.000	Each	3539.00	17695.00	INR Seventeen Thousand Six Hundred Ninety Five & Paise Zero Only
	Supply & Erection of M S lattice structure of height 11.0 mtr as per DISCOMs approved design & details in alignment, including painting of tower of approved make two coat of red oxide paint and one coat of aluminium paint before installation and one coat of Aluminium paint after erection work completed as per technical specifications & drawing of DISCOM. (Excavation of pit PCC and CC foundation as per Discom specs. to be Paid Extra) All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR	10.000	Each	46560.00	465600.00	INR Four Lakh Sixty Five Thousand Six Hundred & Paise Zero Only
	SITC of 11kV 630 Amps 21KA for 3 Sec. SF6 insulated, outdoor duty (IP54) , Extensible / Non extensible type Ring main unit (RMU) manually operated in combination of VCB modules and Load Break switch consisting of Copper busbar in SF6 insulated 304 (Non-Ferrite Non-Magnetic Grade) stainless steel enclosure of thickness 2.5mm with manometer. The HV switchgear and control gear should be conforming to IEC-62271-100, IEC-62271-200-2003 & IEC-60694- 1996. The RMU should be internal arc tested for 21KA for 1Second with IAC- AFL classification for gas tank. Vacum Interrupter of VCB should be RMU Manufacturer's own make. Each feeder of RMU should have voltage presence indicator. . and compring of followings:- 1 no. microprocessor based Self powered numerical relay with over Current/ earth fault & short circuit protection with each VCB feeder. - 3 Nos. Protection CT shall be of Burden 2.5VA, ratio 50/1A, Class of Accuracy class 5P10 for O/C and E/F protection for each VCB.- 1 No. Manometer for each tank,- 1 nos. Fault Passage indicator,- Right angle boots for all the feeder Modules All the type test certificates as per IEC from Third party NABL / CPRI / ERDA accredited lab to be submitted. (Cost of RCC Foundation / Steel Structure to be paid Extra) All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR					
	Extensible 3 way RMU with 1 no. VCB & 2 No. Load Break Switch	40.000	Per Set	465880.00	18635200.00	INR One Crore Eighty Six Lakh Thirty Five Thousand Two Hundred & Paise Zero Only
	Supply & fabrication steel structure with MS channel / angle / joist / ISMB / sheet etc. including welding, rivetting, cutting, nut & bolt , one coat of primer & two coat of enamel paint 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	14000.000	Kg	135.00	1890000.00	INR Eighteen Lakh Ninety Thousand & Paise Zero Only

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	Supplying and drawing overhead steel core Aluminium conductor (ACSR) ISI marked (IS 398 part II-1996) on existing cross arms through insulator with all necessary T&P required including binding and twisting etc. complete in all respect as required. All as per pre approved by Engineer in charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	30 Sqmm of (6+1) 2.59mm (Weasel)	1000.000	Mtr.	40.00	40000.00	INR Forty Thousand & Paise Zero Only
	50 Sqmm of (6+1) 3.35 mm (Insulated Rabbit) for LT	20000.000	Mtr.	92.00	1840000.00	INR Eighteen Lakh Forty Thousand & Paise Zero Only
	Supply and fixing of 11kV Disc insulator and Hot dipped galvanized Hardware confirming to IS:731:1971 with latest ammendment and as per latest Discom Specs. on existing bracket including all accessories etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR					
	B & S type hardware 45 KN	20.000	Each	640.00	12800.00	INR Twelve Thousand Eight Hundred & Paise Zero Only
	B & S disc insulator 45 KN	60.000	Each	374.00	22440.00	INR Twenty Two Thousand Four Hundred Forty & Paise Zero Only
	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					
	200 Amp. LT Distribution Kiosk for 63/100 KVA Transformer	100.000	Each	37639.00	3763900.00	INR Thirty Seven Lakh Sixty Three Thousand Nine Hundred & Paise Zero Only
	400 Amp. LT Distribution Kiosk for 250/315 KVA Transformer	30.000	Each	64700.00	1941000.00	INR Nineteen Lakh Forty One Thousand & Paise Zero Only
	Supplying and drawing of XLPE insulated LT Aerial bunched Aluminium conductor cable confirming to IS 14255/1995 and IS 398 (Pt-4)/ 1994 and as per Discom Specs. on existing cross arms through I hook with all necessary T&P required including binding and twisting etc. complete in all respect 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 .					
	3 X 25 sq. mm. + 1X25 sq. mm. (insulated)	500.000	Mtr.	123.00	61500.00	INR Sixty One Thousand Five Hundred & Paise Zero Only
	Dismantling/Removing of power line materials collecting from site and depositing the same with AEN office/ store. Refilling pits in compaction, leveling etc. GI wire, stay wire etc. shall be bounded in the shape of coils, if any material is damaged during Dismantling/ transportation replacing/repairing shall be on the part of contractor					
	L.T. Cable above 35Sqmm	8000.000	Mtr.	31.00	248000.00	INR Two Lakh Forty Eight Thousand & Paise Zero Only
	L.T. cross arms	320.000	Mtr.	7.00	2240.00	INR Two Thousand Two Hundred Forty & Paise Zero Only
	L.T. PIN insulator	320.000	Nos.	5.00	1600.00	INR One Thousand Six Hundred & Paise Zero Only

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	L.T. Shackle insulator	320.000	Nos.	5.00	1600.00	INR One Thousand Six Hundred & Paise Zero Only
	PCC Pole	480.000	Nos.	155.00	74400.00	INR Seventy Four Thousand Four Hundred & Paise Zero Only
	ACSR Weasel/Rabiit conductor	16000.000	Mtr.	0.70	11200.00	INR Eleven Thousand Two Hundred & Paise Zero Only
	ACSR Dog conductor	8000.000	Mtr.	1.00	8000.00	INR Eight Thousand & Paise Zero Only
	Horn gape set	40.000	Nos.	300.00	12000.00	INR Twelve Thousand & Paise Zero Only
	isolator	40.000	Nos.	335.00	13400.00	INR Thirteen Thousand Four Hundred & Paise Zero Only
	Post insulator	50.000	Nos.	25.00	1250.00	INR One Thousand Two Hundred Fifty & Paise Zero Only
	Other steel items	1600.000	Kg	1.25	2000.00	INR Two Thousand & Paise Zero Only
	Lattice Tower	20.000	Nos.	987.00	19740.00	INR Nineteen Thousand Seven Hundred Forty & Paise Zero Only
	11KV cross arm	150.000	Nos.	12.30	1845.00	INR One Thousand Eight Hundred Forty Five & Paise Zero Only
	11 KV Top Hampars	50.000	Nos.	10.00	500.00	INR Five Hundred & Paise Zero Only
	11KV disc insulators	80.000	Nos.	4.50	360.00	INR Three Hundred Sixty & Paise Zero Only
	11KV disc H/W	80.000	Nos.	4.75	380.00	INR Three Hundred Eighty & Paise Zero Only
	11KV pin insulators	80.000	Nos.	3.50	280.00	INR Two Hundred Eighty & Paise Zero Only
	LT Pillar Box	20.000	Nos.	800.00	16000.00	INR Sixteen Thousand & Paise Zero Only
	11/0.4 KV transformer	20.000	Each	530.00	10600.00	INR Ten Thousand Six Hundred & Paise Zero Only
	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 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					
	2 x 2.5 sq.mm	2500.000	Mtr.	61.00	152500.00	INR One Lakh Fifty Two Thousand Five Hundred & Paise Zero Only
	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					
	50mm x 50mm x 6mm	200.000	Mtr.	551.00	110200.00	INR One Lakh Ten Thousand Two Hundred & Paise Zero Only

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	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					
	Single pole MCB (With B/C curve tripping Characteristics)					
	6A to 32A rating	300.000	Each	187.00	56100.00	INR Fifty Six Thousand One Hundred & Paise Zero Only
	Triple pole MCB (With B/C curve tripping Characteristics)					
	40 A rating	50.000	Each	1384.00	69200.00	INR Sixty Nine Thousand Two Hundred & Paise Zero Only
	SITC of IP-42 and general construction conforming 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:-					
	(a)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)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.					
	(c) 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)					
	(d)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.					

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	(e)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.					
	(f)Floor mounted panel shall be mounted on Base frame of ISMC channel size 100 x 50 x 5 mm (to be paid Extra)					
	(g) 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.					
	(h) 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 .	60.000	Sq. Mtr.	5975.00	358500.00	INR Three Lakh Fifty Eight Thousand Five Hundred & Paise Zero Only
	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 .					
	Electrolytic grade Aluminium bus bar 6010 grade	15.000	Kg.	542.00	8130.00	INR Eight Thousand One Hundred Thirty & Paise Zero Only
	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 then 20 mm, length min. 50mm, front LED cover dia min. 29 mm, contact material phosphor 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 .					
	Red/yellow/Green colour	30.000	Each	170.00	5100.00	INR Five Thousand One Hundred & Paise Zero Only
	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 .					
	100 A, 4 pole Power contactors with following AC 1 Rating	10.000	Each	7849.00	78490.00	INR Seventy Eight Thousand Four Hundred Ninety & Paise Zero Only
	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 .					
	One day & week reserve (digital type)	10.000	Each	4100.00	41000.00	INR Forty One Thousand & Paise Zero Only

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	SITC of 3 / 4 pole current limiting Moulded case circuit breaker (MCCB) made of flame retardent & 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					
	4 pole MCCB With Thermal Magnetic release					
	up to 100 Amp , 25 kA, adjustable O/L & adjustable S/C setting,	20.000	Each	7112.00	142240.00	INR One Lakh Forty Two Thousand Two Hundred Forty & Paise Zero Only
	160 Amp , 25 kA, adjustable O/L & adjustable S/C setting,	10.000	Each	11835.00	118350.00	INR One Lakh Eighteen Thousand Three Hundred Fifty & Paise Zero Only
	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					
	10 Sq. mm., 2 Core	9000.000	Mtr.	152.00	1368000.00	INR Thirteen Lakh Sixty Eight Thousand & Paise Zero Only
	16 Sq. mm., 4 Core	6000.000	Mtr.	232.00	1392000.00	INR Thirteen Lakh Ninety Two Thousand & Paise Zero Only
	25 Sq. mm., 3.5 Core	2500.000	Mtr.	285.00	712500.00	INR Seven Lakh Twelve Thousand Five Hundred & Paise Zero Only
	Supply and erection of Galvanized Iron pole with galvanizing done in single dipping (Average coating thickness Minimum 65 Microns) continuously tapered poles having Octagonal / Circular cross-sections designed to withstand the maximum wind speed as per IS 875, The pole shaft shall be made from sheet steel (HT Steel Conforming to grade S355JO) and confirming to BSEN 10025 and shall be continuously tapered with single longitudinal welding. There shall not be any circumferential welding. The welding of pole shaft shall be done by Submerged Arc Welding (SAW) process. pole shafts shall be provided with the rigid flange plate of suitable thickness (Fe 410 conforming to IS 226 / IS 2062) with provision for fixing 4 no. foundation bolts, This base plate shall be fillet welded to the pole shaft at two locations i.e. from inside and outside.The octagonal Poles shall have lockable door of approximate 500 mm length at the elevation of 500 mm from the Base plate with bakelite sheet having 6A SP MCB and 16 sqmm stud type connector (4 nos) inside the pole at door opening for cable connection of following length and dimension as per table P-01 with base plate and foundation bolt on the Existing cement concrete foundation.All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .					

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	8 Mtr.	50.000	Each	15141.00	757050.00	INR Seven Lakh Fifty Seven Thousand Fifty & Paise Zero Only
	9 Mtr.	50.000	Each	18981.00	949050.00	INR Nine Lakh Forty Nine Thousand Fifty & Paise Zero Only
	Supply and Fixing of Pole OEM fabricated hot dipped galvanised M.S. Overhang (48.3 X 3.25 mm) with cap (400 x 88.9 / 114.3 x 3.25 mm) over the existing poles. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .					
	Single arm overhang	150.000	Mtr.	1889.00	283350.00	INR Two Lakh Eighty Three Thousand Three Hundred Fifty & Paise Zero Only
	Double arm overhang	80.000	Mtr.	3314.00	265120.00	INR Two Lakh Sixty Five Thousand One Hundred Twenty & Paise Zero Only
	Providing and Laying RCC Foundation for Octagonal / Conical Street Light poles, High mast Poles as per Drawing attach at Table P-4 with Following Procedure & All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR . A) Excavation of Pit for Foundation Size upto required depth from Ground level B) Dressing of Pit and Dry stone pitching 200 mm thick including supply of stones and preparing surface complete. C) Providing and laying in position cement concrete of M-10 grade of 75 mm thickness D) Reinforcement for R.C.C. work with TMT bars including straightening, cutting, bending, placing in position and binding all complete. E) Centring and shuttering including strutting , propping etc. and removal of form work for Footing and Pedestal F) Providing & Fixing of 2 no. Required Size PLB HDPE Pipe & Foundation Bolt with template as per OEM Recommendations. G) Providing and Laying Reinforce cement Concrete of M-25 grade in Footing and Pedestal including Curing the foundation for 7 days. H) Providing and Fixing Nosing Angle 40 mm x 40 mm x 6mm with 2 no. 100 mm long, 10 mm dia. Lugs on each face.					
	Pole Foundation for Octagonal pole from 7 Mtr. To 9 Mtr.	200.000	Each	7943.00	1588600.00	INR Fifteen Lakh Eighty Eight Thousand Six Hundred & Paise Zero Only
	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 stablization 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 .					

Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT With All Taxes in Rs. P	TOTAL AMOUNT In Words
	LED Street Light fixture with Minimum lumen output 11225 lm	100.000	Each	6765.00	676500.00	INR Six Lakh Seventy Six Thousand Five Hundred & Paise Zero Only
	LED Street Light fixture with Minimum lumen output 12500 lm	100.000	Each	7670.00	767000.00	INR Seven Lakh Sixty Seven Thousand & Paise Zero Only
	Labour charges for dismantling of existing street light electric poles with street light fixture, underground cable, MS box and other electric items of the pole coming along the alignment of the road and removal and re-rolling MS poles/PCC poles of different sizes as well as handing over the same to DISCOM/UIT/MC store and as per the direction of Engineer In-charge and clean the site good as per the requirement and submit the receipt from concerning authority, all complete works	200.000	Each	528.00	105600.00	INR One Lakh Five Thousand Six Hundred & Paise Zero Only
Total in Figures					123512027.00	INR Twelve Crore Thirty Five Lakh Twelve Thousand Twenty Seven & Paise Zero Only
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words	INR Zero Only					