

ANNEXURE - I**COST DATA FOR THE YEAR 2021-22 (MATERIALS)**

Item code No		Description	Unit	2021-22 Rate (in Rs.)
GROUP I - Distribution transformers and materials				
<u>Distribution Transformers</u>				
		11 KV/433V		
022-076	*	16KVA (Copper Winding)	No.	117377
022-078		16KVA (Copper winding) Energy Efficient Level-2	No.	99089
022-091	*	25KVA (Copper Winding)	No.	137977
022-093		25KVA (Copper winding) Energy Efficient Level - 2	No.	112665
022-336	*	63KVA (Copper Winding)	No.	233574
022-337		63KVA (Copper winding) Energy Efficient Level - 2	No.	202736
022-356	*	100KVA	No.	231758
022-360	*	100 KVA (3 Star rated)	No.	149749
022-408		100 KVA (Copper winding) Energy Efficient Level 2	No.	260936
022-407		160 KVA (Amorphous core 5 star rated)	No.	247107
022-376	*	250 KVA	No.	476300
022-380		250KVA Energy Efficient	No.	512450
022-401		250 KVA (Copper Winding) Energy efficient Level 2	No.	465718
022-386	*	500 KVA	No.	678478
022-387		500 KVA (Copper Winding) Energy efficient Level 2	No.	789753
* - indicates not procured / Existing inventory				

Item code No		Description	Unit	2021-22 Rate (in Rs.)
1				

Item code No		Description	Unit	2021-22 Rate (in Rs.)
		<u>22 KV/433V(Each)</u>		
022-421	*	16KVA	No.	42350
022-426	*	25KVA	No.	48400
022-441	*	63 KVA	No.	217037
		63 KVA (Copper Winding) Energy efficient Level 2	No.	211975
022-451	*	100 KVA	No.	348293
022-522		100 KVA (Copper Winding) Energy efficient Level 2	No.	298963
022-466		200 KVA	No.	528946
022-505		200 KVA (Copper Winding) Energy efficient Level 2	No.	433093
022-511		500 KVA	No.	931578
022-524		500 KVA (Energy efficient)	No.	685059
		Air Break(A.B)Switches(with PT insulators) (Set) Line type		
330-125		11 KV AB switch (200A) With PT insulators	No.	16038
330-200		22 KV AB switch (200 A) With PT insulators	No.	17386
		22 KV AB switch with polymer composite PT insulators	No.	17747
330-157		11 KV AB Switch Fixed contact-200A	No.	1012
330-161		11 KV AB Switch moving contact - 200 A	No.	1195
330-179		11 KV AB Switch Fixed contact - 400 A	No.	2118
		11 KV AB Switch Moving contact - 400 A	No.	2825
330-230		Fixed contact for 22 KV AB Switch	No.	817
330-233		Moving contact for 22 kv AB Switch	No.	958
330-227		22 KV Fixed & Moving contact	No.	1736
* - indicates not procured / Existing inventory				

Item code No		Description	Unit	2021-22 Rate (in Rs.)
2				

Item code No	Description	Unit	2021-22 Rate (in Rs.)
330-166	11 KV double break centre rotating AB Switch without PT insulator	No.	33158
	11 KV double break centre rotating AB Switch with PT insulator	No.	35514
330-271	33 KV Double break Centre rotating AB switch without PT insulators	No.	22441
330-269	33 KV Double break Centre rotating AB switch with PT insulators	No.	38345
	<u>Fuses and Fuse wires (Set)</u>		
	Horn Gap (H.G)Fuses		
330-604	11 KV HG Fuse Set(without insulator)	Set	2038
330-619, 330- 670	22 KV HG Fuse Set(without insulator)	Set	2086
330-704	LT Open type fuse unit (without insulator)	Set	1052
	Tinned Copper (TC) Fuse wire		
312-419	12 Standard Wire Gauge (SWG)	Kg.	725
312-420	14 SWG	Kg.	744
312-422	16 SWG	Kg.	719
312-424	18 SWG	Kg.	715
312-426	20 SWG	Kg.	722
312-428	* 22 SWG	Kg.	549
312-430	24 SWG	Kg.	598
312-432	26 SWG	Kg.	696
312-434	* 28 SWG	Kg.	679

*** - indicates not procured / Existing inventory**

Item code No	Description	Unit	2021-22 Rate (in Rs.)
312-436	30 SWG	Kg.	730
312-438	32 SWG	Kg.	794
312-439	33 SWG	Kg.	789
312-440	34 SWG	Kg.	740
312-441	35 SWG	Kg.	765
312-442	36 SWG	Kg.	798
	37 SWG	Kg.	779
	<u>Lightning Arresters</u>		
	Distribution Type		
330-000	Low Tension (L.T)	No.	286
330-007	11 KV	No.	399
330-008	22 KV	No.	589
500-440	New Transformer Oil	KL	70440
	Station Type		
330-080	Lightning Arrestor Station type 9KV/11KV	No.	1859
330-082	Lightning Arrestor Station type 18 KV/22KV	No.	3393
330-083	Lightning Arrestor Station type 25KV/33KV	No.	4134
	<u>Distribution Boxes</u>		
331-590	`A' Type Box	No.	726
331-594	`B' Type Box	No.	1274
331-602	`C' Type Box with clamp	No.	674
331-604	* LT metering box	No.	5566
331-606	LT metering box (Double compartment)	No.	9995

Item code No	Description	Unit	2021-22 Rate (in Rs.)
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4

331-605	HT metering box	No.	12343
331-612	LTCT Box	No.	13745
331-619	DT Metering Box SMC-with accessories - 16/25KVA	No.	12069
331-620	DT Metering Box SMC-with accessories - 63KVA	No.	12759
	<u>Fuse Unit and cut-out</u>		
340-352	* 5A - 415V Fuse Unit	No.	39
340-331	* 16 A - 415 V Fuse Unit	No.	51
340-334	32 A - 415 V Fuse Unit	No.	132
340-337	63 A - 415 V Fuse Unit	No.	314
340-340	100 A - 415 V Fuse Unit	No.	642
340-346	200 A - 415 V Fuse Unit	No.	777
340-356	300 A - 415 V Jaws	No.	165
340-351	300 A - 415 V Base	No.	435
340-358	500 A-415V, Jaws	No.	275
340-354	500 A-415V, Base	No.	1514
340-175	* 16 A - 500 V ,S.P.I.C Cutout	No.	28
340-176	* 32 A - 500 V, S.P.I.C.Cutout	No.	45
340-178	* 63 A - 500 V, S.P.I.C.Cutout	No.	81
340-179	* 100 A - 500 V, S.P.I.C.Cutout	No.	389
	Poly Vinyl Chloride(P.V.C)/		
	(S.C) Single Core. Cable		

Item code No	Description	Unit	2021-22 Rate (in Rs.)
320-282	2.5 Sq.mm	per 100 m	1600
320-283	2.65 Sqmm	per 100 m	755
* - indicates not procured / Existing inventory			

5

320-285	6 Sq.mm	per 100 m	880
320-289	25 Sq.mm	per 100 m	2200
320-292	50 Sq.mm	per 100 m	4070
320-294	95 Sq.mm	per 100 m	10780
320-295	120 Sq.mm	per 100 m	5830
320-296	185 Sq.mm	per 100 m	15845
	Double Paper Covered (DPC) Aluminium Wire		
	DPC Aluminium Wire		
312-581	12 SWG	Kg.	460
312-693	13 SWG	Kg.	329
312-695	13.5 SWG	Kg.	257
312-696	14 SWG	Kg.	251
312-700	16 SWG	Kg.	326
312-583	16.5 SWG	Kg.	366
312-702	17 SWG	Kg.	187
312-704	18 SWG	Kg.	347
312-706	19 SWG	Kg.	669
	Double Paper Covered (DPC) Copper Wire		
312-292	12 SWG	Kg.	1005

Item code No	Description	Unit	2021-22 Rate (in Rs.)
	Super Enamelled Aluminium Wire (SEAW)		
312-597	12 SWG	Kg.	678
312-598	13 SWG	Kg.	435
312-599	13.5 SWG	Kg.	435
312-596	14 SWG	Kg.	289

6

312-607	15 SWG	Kg.	307
312-600	16 SWG	Kg.	
312-602	17 SWG	Kg.	271
312-604	18 SWG	Kg.	
	Super Enamelled Copper Wire (SECW)		
312-140	12 SWG	Kg.	796
312-141	13 SWG	Kg.	697
312-142	14 SWG	Kg.	652
312-143	15 SWG	Kg.	675
312-144	16 SWG	Kg.	674
312-145	17 SWG	Kg.	691
312-146	18 SWG	Kg.	714
312-147	19 SWG	Kg.	607
312-149	20 SWG	Kg.	1020
312-150	21 SWG	Kg.	703
312-151	22 SWG	Kg.	893
312-152	23 SWG	Kg.	767

Item code No	Description	Unit	2021-22 Rate (in Rs.)
312-153	24 SWG	Kg.	1063
312-185	25 SWG	Kg.	643
312-156	27 SWG	Kg.	643
	BUSHING RODS		
022-580	LT Brass bushing rod 12 mm (1/2")	No.	391
022-582	LT Brass bushing rod 18 mm (3/4")	No.	904
022-583	LT Bushing Rod 20mm dia (0.8")	No.	1553

7

022-584	LT TRANSFORMER BUSHING ROD 25 MM (1")	No.	2572
022-585	LT Bushing Rod 30mm dia (1.25")	No.	4100
022-611	HT Brass bushing rod 1/2"	No.	410
	<u>PIPES</u>		
	Galvanised Iron (G.I.) Pipes		
630-001	20 mm	mtr.	83
630-002	25 mm	mtr.	83
630-004	40 mm	mtr.	586
630-005	50 mm	mtr.	597
630-018	100 mm	mtr.	1173
630-008	160 mm	mtr.	1408
630-009	* 160 mm	mtr	1491
	P.V.C.Pipe		
635-001	20 mm	mtr.	19
635-002	25 mm	mtr.	44

Item code No	Description	Unit	2021-22 Rate (in Rs.)
635-006	32 mm	mtr.	53
635-004	40 mm	mtr.	67
635-005	50mm	mtr.	108
635-017	75 mm	mtr.	236
	90 mm	mtr.	334
635-02	110 mm	mtr.	503
635-012	140 mm	mtr.	812
635-022	160 mm	mtr.	1054

*** - indicates not procured / Existing inventory**

8

635-015	200 mm	mtr.	1666
	315 mm	mtr.	4325

GROUP II - OVERHEAD LINE MATERIALS

CONDUCTOR

Aluminium Conductor Steel Reinforced (ACSR)			
312-022	Weasel 7/2.59 mm	Km.	26423
312-025	Rabbit 7/3.35 mm	Km.	38681
312-027	Raccoon 7/4.09 mm	Km.	71830
312-030	Dog 6/4.72 & 7/1.57 mm	Km.	116251
All Aluminium Alloy Conductor (AAAC)			
312-010	7/2.0 mm	Km.	28600
312-011	7/2.5 mm	Km.	23058

Item code No	Description	Unit	2021-22 Rate (in Rs.)
312-012	7/3.15 mm	Km.	30422
	Aerial Bunched Cable (ABC)		
321-817	1.1 KV, 3x70(Phase)+1x16(Insulated Street Light)+1x50 sq.mm (Bare Messenger cum Neutral)	Km.	480000
321-818	11KV class 3 phase AB cable of size 3x95 + 1x95 sq.mm	Km.	597163
	22 KV, 3x95(Phase)+1x95 sq.mm	Km.	989500
	<u>Aerially Bunched cable fittings</u>		
	Suspension clamp assembly suitable for 50 sq.mm Bare or insulated messenger	Each	530
	Anchoring/Dead end clamp assembly suitable for 50 sq.mm Bare or insulated messenger	Each	730
	Pre insulated Bimetallic termination lug for 70sq.mm phases	Each	620
	Pre insulated Bimetallic termination lug for 16sq.mm phases	Each	620

9

	Pre insulated Bimetallic termination lug for 50sq.mm phases	Each	620
	Pre insulated Midspan joint for 70sq.mm phases	Each	290
	Pre insulated Midspan joint for 16sq.mm phases	Each	290
	Pre insulated Midspan joint for 50sq.mm Neutral phases	Each	290
	Suspension clamp assembly including pole clamp	Set	299
	Dead end clamp / Anchor clamp Assembly including brackets, pole clamps	Set	310
	Suspension clamp assembly including pole clamp	Set	785
	Dead end clamp / Anchor clamp Assembly including brackets, pole clamps	Set	865
	<u>Pin & Pin Insulators</u>		

Item code No	Description	Unit	2021-22 Rate (in Rs.)
311-001	LT pin insulator	No.	20
311-023	11 KV pin insulator	No.	58
311-026	22 KV pin insulator	No.	129
311-029	33 KV pin insulator	No.	468
311-073	11 KV post type insulator	No.	345
311-074	22 KV post type insulator	No.	602
311-075	33 KV post type insulator	No.	2127
311-121	LT shackle insulator	No.	19
311-403	LT Guy shackle insulator	No.	26
311-404	HT Guy shackle insulator	No.	27
311-175	11 KV 45 KN strain disc insulator	No.	316
311-260	11 KV 120 KN Ordinary disc insulators	No.	538

10

311-002	LT GI pin	No.	37
311-024	11 KV GI pin	No.	76
311-027	22 KV GI pin	No.	160
311-030	33 KV GI Pin	No.	240
311-126	LT Shackle hardware / LT Metal Parts	No.	55
311-179	11 KV Metal Parts	No.	203
	Composite polymer insulators		

Item code No		Description	Unit	2021-22 Rate (in Rs.)
311-043		11 KV Polymer Composite pin Insulators	No.	148
311-044		22 KV Polymer composite pin insulator	No.	432
311-045		33 KV Polymer composite pin insulator	No.	609
311-192		11 KV Polymer Composite disc Insulators	No.	140
311-280		22 KV Polymer Composite disc Insulators	No.	325
311-276		33KV Polymer composite disc Insulator	No.	192
		<u>LINE SUPPORTS</u>		
		Reinforced Cement Concrete (RCC) Poles		
310-006	*	7.5 m RCC	No.	2881
310-007	*	8.0 m RCC	No.	2915
310-004	*	9.14 m.G.201 Special RCC	No.	5723
310-009		9.0 m (150 Kg) Square section RCC pole	No.	5842
* - indicates not procured / Existing inventory				

Item code No		Description	Unit	2021-22 Rate (in Rs.)
		Pre-Stressed Concrete (PSC) Pole		
310-063		7.5 m PSC (ordinary)	No.	1868
310-016		7.5 M PSC High Wind Zone (HWZ)	No.	2006
310-064		8.0 m PSC (140 Kgs.)	No.	2523
310-017		8.0 m PSC Pole (200 Kgs)	No.	2330
310-065		9.0 M PSC pole 300 KG WL	No.	3451
310-061		9.0 M PSC pole 400 KG WL	No.	4075
		Ribbed Tor Steel (RTS) Grills		
310-026	*	7.5 mts.RTS Grill	No.	2550
310-027	*	8.0 mts.RTS Grill	No.	2751
310-024	*	9.14 mts.RTS Grill	No.	6281
		<u>Cross arm and fittings</u>		
331-081		1068 mm (3'-6") V Cross arm	No.	702
331-096		1068 mm (3'-6") V Cross arm (GI)	No.	1097
331-083		1373 mm (4'-6") V Cross arm	No.	1241
331-097		1373 mm (4'-6") V Cross arm (GI)	No.	1931
331-084		1525 mm (5'-0") V Cross arm	No.	1378
331-086		1525 mm (5'-0") V Cross arm (GI)	No.	2006
331-152		Tapping channel cross arm	No.	913

Item code No	Description	Unit	2021-22 Rate (in Rs.)
331-162	Tapping channel cross arm (GI)	No.	1234

*** - indicates not procured / Existing inventory**

12

331-163	Tapping channel cross arm for 33 KV	No.	3214
331-138	Double channel cross arm	No.	6937
331-134	Guarding cross arm	No.	857
331-139	Guarding cross arm (GI)	No.	1299
331-759	Cross bracing set	No.	8816
331-054	LT 3 phase angle cross arm	No.	469
331-055	LT 3 phase channel cross arm	No.	471
331-066	LT 3 phase channel cross arm (GI)	No.	441
331-050	LT single phase angle cross arm	No.	204
331-064	LT single phase angle cross arm (GI)	No.	322
331-051	LT single phase channel cross arm	No.	201
331-065	LT single phase channel cross arm (GI)	No.	303
331-701	HT TI fitting	No.	189
331-708	HT TI fitting (GI)	No.	274
331-704	HT TI fitting for 33 KV	No.	318
331-700	LT TI fitting	No.	199
331-707	LT TI fitting (GI)	No.	316

Item code No	Description	Unit	2021-22 Rate (in Rs.)
311-008	Aluminium Knob	No.	21
331-712	Transformer structure materials 10'	Set	13588
331-715	Transformer structure materials (GI)	Set	15586
331-505	Transformer structure clamp	Set	3718
331-507	Transformer structure clamp (GI)	Set	4106

13

Materials for single pole HVDS			
331-719	11 KV HVDS Single pole transformer structure material with clamp	No.	5724
331-717	11KV HVDS single pole mounted structure materials complete set (11 KV Vertical type AB (GOS) switch with composite Polymer insulator & 11 KV Solid core type HG fuse set with composite polymer insulators & Single pole Transformer structure materials with clamp)	No.	33652
331-722	22 KV HVDS Single pole Transformer centre set with clamp	No.	7691
	22 KV HVDS single pole Structure materials complete (22 KV Vertical type AB (GOS) Switch with polymer insulators, 22 KV Solid core type HG Fuse set with polymer insulator and Transformer Centre set & clamp)	No.	45607
330-128	11 KV HVDS Single pole vertical type AB switch with insulator	No.	16972
330-123	22KV HVDS Vertically mounted AB Switch with composite polymer insulator and 22 KV HG Fuse set with solid core type compoiste polymer insulator with all switch accessories	set	35400
330-608	11 KV HG fuse Set with solid core insulator for (GOS) single pole structure - Vertical type	set	5892
330-622	22 KV HG Fuse set with solid core insulator for (GOS) Single Pole structure - Vertical type	set	9986
	Paint		

Item code No	Description	Unit	2021-22 Rate (in Rs.)
700-444	Aluminium paint	No.	201
700-422	Red oxide paint	No.	123
700-300	Enamel Paint - White	No.	485
700-305	Enamel Paint - Black	No.	490
700-310	Enamel Paint - Red	No.	480
700-320	Enamel Paint - Green	No.	465
700-325	Enamel Paint - Blue	No.	480

14

700-330	Enamel Paint - Yellow	No.	480
700-335	Enamel Paint - Grey	No.	288
500-485	Silicagel	kg	195
022-600	Silicagel Breather 1/2" (63 &100 KVA)	No.	338
022-061	Silicagel Breather 3/4" (200 KVA &250 KVA)	No.	532
022-602	Silicagel Breather 1" (500 KVA)	No.	865
022-604	Silicagel Breather for Power Transformer	No.	5133
	<u>Clamp/Stay/Base Plate (Each)</u>		
331-467	* Back clamp for 7.5m RCC pole	No.	109
331-465	Back clamp for 7.5m PSC pole	No.	92
331-241	* Back clamp for 8m RCC pole	No.	83
331-466	Back clamp for 8m PSC pole	No.	82
331-242	Back clamp for 9.14m special RCC pole	No.	109
331-248	Back Clamp for 9.14 Mts RCC Pole (GI)	No.	109
331-244	Back clamp for 9.0 m PSC Pole	No.	104

Item code No		Description	Unit	2021-22 Rate (in Rs.)
331-264		Back clamp for RSJ pole	No.	175
331-350	*	Stay clamp (Pair) for 7.5m RCC pole	No.	134
331-354		Stay clamp (Pair) 7.5 m PSC pole	No.	164
331-231	*	Stay clamp (Pair) 8.0m RCC pole	No.	169
331-356		Stay clamp (Pair) 8.0m PSC pole	No.	153
331-358		Stay Clamp (Pair) for 8.0 Mts PSC Pole (GI)	No.	171
331-353		Stay clamp (Pair) for 9.0 m PSC pole	No.	242
331-357	*	Stay clamp (Pair) 9.14m RCC pole	No.	263

*** - indicates not procured / Existing inventory**

15

331-368 &331-487		RSJ pole Stay Clamp Special A side (200 x 100mm)	No.	427
331-488		RSJ pole Stay Clamp Special B side (200 x 100mm)	No.	418
		Stay clamp pair for 9.0 m square pole	No.	165
310-014		Base plate	No.	261
310-015		Stay plate	No.	261
331-752		stay bow	No.	91
331-753		Stay Eye Blot & Nut	No.	122
331-751		Stay Rod	No.	196
331-750		Stay set complete (eye, bow & rod) without GI wire	No.	413
331-755		GI Stay set complete without GI wire	No.	578
312-563		GI Stay wire 7/12 SWG (kg)	kg	78
314-484		Aluminium 'U' Clamp for Pillar Box	No.	56

Item code No	Description	Unit	2021-22 Rate (in Rs.)
314-480	Aluminium 'Z' Clamp for Pillar Box	No.	160
021-418	Aluminium Flat 50 X 12mm for Pillar Box	kg	237
313-990	Aluminium switch end clamp with tail		263
313-991	Aluminium switch end clamp without tail	No.	237
021-419	GI Stem Bolts and Nuts 155X12.5mm or 6" X 1/2" for Pillar Box	No.	32
021-420	GI Stem Bolts and Nuts 155X16.0 mm or 6" X 5/8" for Pillar Box	No.	54
021-416	Hexagonal Insulator 1/2" for pillar box	No.	8
021-417	Hexagonal Insulator 5/8" for pillar box	No.	10
315-102/ 315-526	BIMETALLIC CLAMPS (Transformer bushing clamp) FOR LT SIZE 95 SQ.MM CABLE	No.	222
315-104	BIMETALLIC CLAMPS (Transformer bushing clamp) FOR LT SIZE 120 SQ.MM CABLE	No.	216

16

315-106	BIMETALLIC CLAMPS (Transformer bushing clamp)FOR LT SIZE 185 SQ.MM CABLE	No.	413
315-107	BIMETALLIC CLAMPS (Transformer bushing clamp)FOR LT SIZE 240 SQ.MM CABLE	No.	1109
	Clamps for Conductors as per relevant IS & its amendments		
314-515	L Clamp for DOG Conductor	No.	900
314-517	L Clamp for Panther	No.	1305
315-168	L Clamp for Kundah	No.	1355
314-532	L Clamp for Zebra	No.	1175
314-730	Aluminium 'T' Clamp	No.	244
314-815	'T" clamp for Kundah to Kundah	No.	1493
314-466	T CLAMP FOR 2" BUS TO KUNDAH	No.	1537

Item code No	Description	Unit	2021-22 Rate (in Rs.)
314-467	T" clamp for 3" busbar to Kundah	No.	1982
314-469	T Clamp for Double Kundah to Single Kundah	No.	2975
314-816	'T" clamp for single Zebra to single Zebra	No.	1486
314-765 & 314-955	T" clamp for 2" busbar to zebra	No.	1551
314-769	"T" Clamp for 2" bus bar to double zebra	No.	2950
314-930	T" clamp for 3" busbar to zebra	No.	1630
	"T" Clamp for 3" bus bar to double zebra	No.	2955
314-958	'T" clamp for Double Zebra to Double Zebra	No.	2980
314-971	'T" clamp for Double Zebra to Single Zebra	No.	2960
314-932	Aluminium switch end clamp for 2" Bus bar	No.	1579
	Aluminium switch end clamp for 3" Bus bar	No.	1845
	Aluminium switch end clamp for Panther	No.	1325

17

314-933	Aluminium switch end clamp for Kundha	No.	1375
315-520	Aluminium switch end clamp for Zebra	No.	1359
	Aluminium switch end clamp for Mink	No.	1340
314-471	Reducer clamp for 2" Busbar to Kundah	No.	2062
314-504	Reducer clamp for 3" Busbar to Kundah	No.	2655
314-489	Reducer clamp for 2" Busbar to Zebra	No.	2378
314-534	Reducer clamp for 3" Busbar to Zebra	No.	2532
314-033	Parallel Groove clamp (PG Clamp) suitable for DOG conductor	No.	1138

Item code No	Description	Unit	2021-22 Rate (in Rs.)
314-458	Parallel Groove clamp (PG Clamp) suitable for Panther conductor	No.	1061
314-457	Parallel Groove clamp (PG Clamp) suitable for Kundah conductor	No.	1195
	Aluminium P.G.Clamp for Kundha to Kundha	No.	1120
	Parallel Groove clamp (PG Clamp) suitable for Zebra conductor	No.	1175
314-455	Free end clamp for 2" bus bar with bolts & Nuts	No.	1107
314-456	Free end clamp for 3" bus bar	No.	1082
	Aluminium Mink Clamp for 7/4.09 AAA Conductor	No.	1328
	Aluminium Power Transformer bushing clamp for Kundha	No.	1510
314-176	Terminal connector for Kundha conductor	No.	932
	CT Bushing clamp for Kundah	No.	1115
315-521	CT Bushing clamp for Zebra	No.	1115
	<u>BOLTS & NUTS Per MT</u>		
610-189	MS Hexagonal Bolt & Nut 1-1/2" x 5/8" (38X16 mm) per MT	MT.	105413
610-254	MS Hexagonal Bolt & Nut 2" x 5/8" (50 x 16 mm)	MT.	71920
610-252	MS Hexagonal Bolt & Nut 2-1/2" x 5/8" (63 x 16 mm)	MT.	79985

18

610-258	MS Hexagonal Bolt & Nut 3" x 5/8" (75 x 16 mm)	MT.	81874
610-256	MS Hexagonal Bolt & Nut 3-1/2" x 5/8" (89 x 16 mm)	MT.	79919
610-262	MS Hexagonal Bolt & Nut 4" x 5/8" (100x16mm)	MT.	81997
610-260	MS Hexagonal Bolt & Nut 4-1/2" x 5/8" (113x16mm)	MT.	80398
610-265	MS Hexagonal Bolt & Nut Size -5"X 5/8" (125 x 16 mm)	MT.	96799

Item code No	Description	Unit	2021-22 Rate (in Rs.)
610-267	MS Hexagonal Bolt & Nut 6" x 5/8" (150 x 16 mm)	MT.	80522
610-269	M.S. BOLT & NUTS 6 1/2 X 5/8" (165X16 mm)	MT	115180
610-271	MS Hexagonal Bolt and Nut 7x5/8 Inch (178X16mm)	MT.	92000
610-272	MS Hexagonal Bolt & Nuts 8" x 5/8" (200X16 mm)	MT.	86139
610-274	MS BOLTS & NUTS 9"X 5/8" (225X16 mm)	MT.	76000
610-276	MS Hexagonal Bolt & Nuts 10" x 5/8" (255X16 mm)	MT.	72405
610-278	MS Hexagonal Bolt & Nut 11" x 5/8" (275x 16 mm)	MT.	86462
610-279	MS Hexagonal Bolt & Nut 12" x 5/8" (300x16 mm)	MT.	78435
610-280	MS Hexagonal Bolt & Nut 13x5/8 Inches (330x16mm)	MT.	93220
	MS Hexagonal Bolt & Nut 13-1/2"X5/8" (350x16mm)	MT.	90330
	MS Hexagonal Bolt & Nut 14" x 5/8" (355X16 mm)	MT.	90276
610-282	MS Hexagonal Bolt & Nut 15" x 5/8" (380x16mm)	MT.	86260
	MS Hexagonal Bolt & Nut 15 1/2" x 5/8" (400x16mm)	MT.	74772
620-180	GI Bolts & Nuts 2-1/2"x5/8" (63x16 mm)	MT.	135400
620-181	GI Bolts & Nuts 3-1/2"X5/8" (89x16 mm)	MT.	118390
620-131	GI Hexagonal Bolt & Nut 4-1/2" x 5/8" (113x16mm)	MT.	78010
	GI Hexagonal Bolt & Nut 5"X 5/8"(125 x 12 mm)	MT.	90808
620-185	G.I. Bolt and Nut 6" x 5/8" (150 x 16 mm)	MT.	115000

19

	GI Hexagonal Bolt & Nut 10" x 5/8"(255 x 12 mm)	MT.	99470
611-206	M.S.Washer-1/2" (12 mm dia)	MT.	74760
610-208	M.S.Washer 5/8" (16mm dia)	MT.	87374

Item code No	Description	Unit	2021-22 Rate (in Rs.)
620-737	G.I. Washer 1/2" (12 mm dia)	MT.	91000
620-739	G.I. Washer 5/8" (16 mm dia)	MT.	80240
	Copper Flexible Wire		
321-466	2.5 Sq.mm	mtr.	20
321-467	4 Sq.mm	mtr.	30
	<u>Galvanised Iron (GI) Wires (Per M.T)</u>		
312-562 & 312-582	7/11 Standard Wire Gauge (SWG)/ 7/2.80 mm Stranded	MT.	75755
312-563 & 312-584	7/12 SWG/ 7/2.50 mm Stranded	MT.	77560
312-565	7/20 SWG stranded	MT.	75900
312-566	7/10 SWG/ 7/3.15 mm stranded wire	MT.	63800
312-567	7/9 SWG/ 7/3.55 mm stranded wire	MT.	84700
	GI Solid Wire		
	No.12 SWG Solid wire (2.65 mm solid wire)	MT.	71430
	No.11 SWG Solid wire (3 mm solid wire)	MT.	65490
312-508	No.6 SWG Solid wire (4mm Solid wire)	MT.	70112
312-509	No.8 SWG Solid wire (5mm Solid wire)	MT.	69336
	Earth pipe/rod		
331-673	G I Earth pipe 40mm dia (10 feet -3mts length)	No.	970
331-674	G I Earth pipe 50mm dia	No.	1999

Item code No	Description	Unit	2021-22 Rate (in Rs.)
	Discharge/earth rod		
331-675	Discharge/ Earth rod 4 feet (per set) (Distribution type)	Set	3400
331-688 & 331-689	Discharge/ Earth rod 10 feet (per set) (SS type)	Set	7330
331-678	Telescopic Earth Rod extendable type per set (Material - PVC Pipe, 1 Set of 3 Nos, Size 4 Feet) (Distribution type)	Set	2276
331-681	Telescopic Earth Rod with copper wire 10' (SS Type) (per set)	Set	6955
	Line seperators		
340-885	LT, 3 Phase, 4 wire spiral phase line separator	No.	280
	LT, 3 Phase, 3 wire spiral phase separator		246
340-886	LT line spacer single phase 2 wire	No.	150
340-887	Line Separator 1 Phase, 3 Wire Spiral type	No.	245
504-614	Rubber Gauntlets	Set	458
504-613	Rubber Gloves	Set	490
	Bolt & nuts & binding wire /pole	lump sum	888
	Cement		
700-160	Ordinary Portland (O.P)Cement 53 Grade	per bag	290
331-685	Earthing Device made up of MS Angle 40x40x6mm along with MS Rod 3/8" (10mm) - As per IS of latest issue with up to date amendments	No.	670
	<u>Pipe Earthing</u>		
	G.I.Pipe (40 mm dia) 3 mts and G.I.wire 8 SWG, Bolt & Nuts- 4 1/2 x 5/8" Set (586x3)+(69*10)+ (80*5)= 987+720+455=2162	lump sum	2848
	<u>Coil earthing per pole</u>		

Item code No	Description	Unit	2021-22 Rate (in Rs.)
	G.I. Wire (8 SWG)(10 Kg), Bolt & Nut (3 1/2x5/8")- 5 Kg) - Set = (69*10)+(80*5)=690+400=1290	lump sum	1090
21			

Item code No		Description	Unit	2021-22 Rate (in Rs.)
		Structure Earthing		
		Structure Earthing with GI pipe 40 mm dia 3 Nos, MS Flat 50x6 MM 5 KG Bolt & Nut (11x5/8") 6 Kg, GI No.8 SWG wire 35 Kg) (586x3)+(60x5)+(86x6)+(69x35)	lump sum	4989
		Concreting		
		concreting per pole(cement 1/2 bag, River Sand,Blue metal) (290/2+447+430)	lump sum	1022
		Concreting per structure (290/2+447+430)*2	lump sum	2044
<u>Group III - Street Light</u>				
511-217	*	250W sodium vapour ballast	No.	1751
501-109	*	Sodium vapour lamp 250W	No.	814
501-212	*	Sodium vapour lamp fitting complete with 250 W bulb	No.	2882
331-498		Street light fixture clamp (Pair)	No.	316
331-541		Street light fixture pipe	No.	352
501-011		9 watts LED lamps	No.	100
501-249		4 Feet 16 W LED Tube light with fitting	No.	322
		20 watts LED tubular lamps	No.	398
501-232		36W/40W FLOURESCENT TUBE	No.	40
501-202		40 W choke(ELECTRONIC BALLAST)	No.	280
501-241		36/40W Flourescent street light fitting without bulb	No.	903
501-246		LED Lamp 40 Watts with Fittings	No.	1300
		72 W LED Street Light Fittings	No.	1513
501-248		72 Watts LED Street Light Bulb	No.	1804
510-245		72W LED street Light Fitting with Lamp	No.	3705

Item code No		Description	Unit	2021-22 Rate (in Rs.)
22				

Item code No	Description	Unit	2021-22 Rate (in Rs.)
<u>Group IV - Ring Main Unit (RMU)</u>			
	VARIOUS TYPES OF 11 RMUs with FRTU, Structures for DTs and associated materials (including DT/RMU earthing, foundation and termination)		
023-367	5 way 11 KV RMU configuration R-R-R-R-R	Each	1399019
021-803	5 way 11 KV RMU configuration R-R-R-R-L	Each	1619325
021-804	5 way 11 KV RMU configuration R-R-R-L-L	Each	1834008
021-805	5 way 11 KV RMU configuration R-R-L-L-L	Each	1957974
021-806	3 way 11 KV RMU configuration R-R-R	Each	972654
021-807	3 way 11 KV RMU configuration R-R-L	Each	1211126
GROUP V - INNOVATIVE EQUIPMENTS			
	<u>New equipment's</u>		
021-437	LT fixed capacitor 1x9 KVAR	Each	7757
021-438	LT fixed capacitor 2x9 KVAR	Each	14666
	<u>Electronic (Static) type:-</u>		
400-079	1 PH STATIC METER 5-20A	No.	670
400-078	Single phase Bidirectional Static Meter 5-20A (Solar)	No.	1240
400-085	Three phase meter 10-60A STATIC	No.	1800
400-500	Three phase meter 50-100A Static Meter Bi-directional meters for sloar - net metering	No.	6275
400-345	Three phase meter 100A static	No.	7500
	Single Phase whole current Smart Meter 5-20 / 30 A	No.	3509
	Three Phase whole current Smart Meter 10-60A	No.	5401
	Three Phase whole current Smart Meter 10/20/50-100 A	No.	6520

Item code No		Description	Unit	2021-22 Rate (in Rs.)
23				

Item code No	Description	Unit	2021-22 Rate (in Rs.)
	Three Phase LTCT operated Smart Meter for consumer	No.	9123
	Three Phase LTCT operated Smart Meter with Box, CTs and Cabling for DTs	No.	26927
	Modular RF Mesh Module (for installation with each meter)	No.	1731
	Data Concentrator Units/Gateway/Router for forming FR Mesh Canopy	No.	55745
	MODEM (HT & Ring Fencing)	No.	9000
	DCUs for SS Feeders	No.	167313
	LTCT 5A Composite Meter	No.	2735
	110 KV Metering CT	No.	89844
	HT 110/1A, DLMS 0.5 s Feeder Meter	No.	7080
400-330	3 PH 4 WIRE LT CT OPERATED STATIC METER 240V/5A 0.5 S DLMS	No.	2258
420-093	Resin cast Ring type LT CT 200/5A Electronic (Static) type Meter	No.	546
420-106	Resin cast Ring type LT CT 400/5A Electronic (Static) type Meter	No.	570
420-127	Resin cast Ring type LT CT 800/5A Electronic (Static) type Meter	No.	388
400-193	3 Phase (10-60A) Solar Bidirectional Meters	No.	3960
400-083	50-100 Amps Three phase Static meter	No.	5817
203-048	Common Meter Reading Instrument (CMRI)	No.	22243
	<u>Trivector meters (Time Of Day (TOD) Type)</u>		
400-348	3 Phase HT Static trivector meter 110V/1A (With TOD)	No.	7080
400-255	3 Phase HT Static trivector meter 110V/5A (With TOD)	No.	23050
400-343	3 Phase HT Static trivector meter 240V/5A (with TOD)	No.	2250

Item code No	Description	Unit	2021-22 Rate (in Rs.)
400-501	3 Phase HT Static trivector meter 110V/5A TOD-DLMS 0.2 S ABT (Available Base Tariff) Future	No.	26800

Item code No	Description	Unit	2021-22 Rate (in Rs.)
400-270	HT TOD - 110V/5A static meter Bi-Directional meter for solar -net metering	No.	6408
400-328	3 Phase 4 Wire LT CT operated static meter 240V/5A.	No.	2310
400-503	3 phaseLT CT Bi-directional static meter 240V/5A (Solar)	No.	11018
340-850	PolyCarbonate Seals	No.	4
	<u>Metering Sets per Each (Accuracy class 0.2 S)</u>		
021-120	11 KV set , 10/5A	No.	63720
021-120	11 KV set, 20/5A	No.	63720
021-120	11 KV set, 40/5A	No.	63720
021-120	11 KV set, 60/5A	No.	63720
021-120	11 KV set, 100/5A	No.	63720
021-120	11 KV set, 150/5A	No.	63720
021-120	11 KV set, 200/5A	No.	63720
021-120	11 KV set, 300/5A	No.	63720
021-120	11 KV set, 100/5A	No.	63720
021-221	22 KV set 5/5A	No.	130980
021-221	22 KV set, 10/5A	No.	130980
021-221	22 KV set, 15/5A	No.	130980
021-221	22 KV set, 20/5A	No.	130980
021-221	22 KV set, 25/5A	No.	130980
021-221	22 KV set, 30/5A	No.	130980
021-221	22 KV set, 40/5A	No.	130980
021-221	22 KV set, 50/5A	No.	130980

Item code No	Description	Unit	2021-22 Rate (in Rs.)
021-221	22 KV set,60/5A	No.	130980

25

021-221	22 KV set,80/5A	No.	130980
021-221	22 KV set,100/5A	No.	130980
021-221	22 KV set,120/5A	No.	130980
021-221	22 KV set,150/5A	No.	130980
021-221	22 KV set,175/5A	No.	130980
021-221	22 KV set,200/5A	No.	130980
021-221	22 KV set,250/5A	No.	130980
021-221	22 KV set,300/5A	No.	130980
021-221	22 KV set,400/5A	No.	130980
	33 KV set 10/5A	No.	156350
	33 KV set 20/5A	No.	156350
	33 KV set 30/5A	No.	156350
	33 KV set 40/5A	No.	156350
	33 KV set 50/5A	No.	156350
	33 KV set 60/5A	No.	156350
	33 KV set 100/5A	No.	156350
	33 KV set 150/5A	No.	156350
	33 KV set 200/5A	No.	156350
	33 KV set 300/5A	No.	156350
	<u>Meter Board/Meter Box</u>		
340-047	457 x 305 x 12 mm (Teak Wood) T.W.Board	No.	599

Item code No	Description	Unit	2021-22 Rate (in Rs.)
340-048	457 x 610 x 12 mm T.W.Board	No.	734
340-049	915 x 610 x 16 mm T.W.Board	No.	569
340-051	208 x 243 x 10 mm T.W.Board	No.	264

26

340-050	200 x 200 x 12 mm T.W.Board	No.	75
331-604	LT METERING BOX	No.	5060
331-605	HT METERING BOX	No.	14814
	<u>High Tension (HT) Cables</u>		
	Cross Linked Poly Ethylene Aluminium (XLPE) cables		
321-801	33KV UG ALU XLPE CABLE 1x1000 SQ MM.	Km.	1670880
321-807	33 KV 1x630 Sq.mm	Km.	1296820
321-821	33 KV 3x630 Sq.mm	Km.	4484000
321-804	33 KV 3x400 Sq.mm	Km.	2318181
321-684	11 KV 1x630 Sq.mm	Km.	883159
321-594	11 KV 3x300 Sq.mm	Km.	1711000
321-593	11 KV 3x120 Sq.mm	Km.	881460
	<u>Low Tension (LT) Under Ground(UG) cables</u>		
321-020	2x16 Sq.mm	Km.	61216
321-119	4x25 Sq.mm	Km.	118529
321-120	4x120 Sq.mm	Km.	457979
321-121	4x240 Sq.mm	Km.	878170
	<u>Pillar Boxes Open Type</u>		
021-412	MS Open type 6 way pillar boxes	Each	33197

Item code No	Description	Unit	2021-22 Rate (in Rs.)
021-405	PILLAR BOX MS 6 way with HRC fuse	Each	68347
021-422	Fibre Reinforced Plastic (FRP) 6 way Pillar box	Each	42534
	PILLAR BOX MS 4 way with HRC fuse	Each	50193
021-404	Fibre Reinforced Plastic (FRP) 4 way Pillar box	Each	23286
021-470	Fibre Reinforced Plastic (FRP) Mini Pillar box	Each	11011

27

021-408	LT open type Mini pillar box	Each	9075
	<u>Joint Kits for Cables</u>		
	Joint Boxes		
	Straight through type		
	<u>Cross Linked Poly Ethylene (XLPE) cables</u>		
322-548	STRAIGHT JOINT KIT (Heat Shrinkable (HS) TYPE) FOR XLPE 33KV 3X400 SQMM	Each	21887
322-554	STRAIGHT JOINT KIT (OUTDOOR - TAPEX TYPE) FOR XLPE 33KV 3X400 SQMM	Each	23895
322-559	Straight Joint Kit (HS type) for 33KV, 1X 630 Sq mm cable	Each	9366
322-552	STRAIGHT JOINT KIT (HS TYPE) FOR XLPE 11KV 3X300 SQMM	Each	5735
322-550	STRAIGHT JOINT KIT (HS TYPE) FOR XLPE 11KV 3X120 SQMM	Each	5066
	STRAIGHT JOINT KIT (HS TYPE) FOR XLPE 11KV 1X630 SQMM	Each	12803
	Straight Joint Boxes		
	(a) Low Tension		
	Heat Shrinkable (HS) type, XLPE cable		
322-050	1.1 KV 2x16 Sq.mm	Set	710

Item code No	Description	Unit	2021-22 Rate (in Rs.)
322-764	1.1 KV 4 x 25 Sq.mm	Set	352
322-765	1.1 KV 4x120 Sq.mm	Set	770
322-766	1.1 KV 4 x 240 Sq mm	Set	1495
	<u>Heat shrinkable type transition kit for</u>		
	<u>XLPE cable to PILC</u>		
322-633	Transition kit (HS Type) 11KV PILC TO 3X300 Sq.mm XLPE	Each	14298
322-627	Transition kit (HS Type) 11KV PILC TO 3X120 Sq.mm XLPE	Each	9461

28

	Outdoor type cable termination joint kit		
	Heat Shrinkable (HS) type		
322-740	OD termination kit (outdoor - HS type) for 33KV 3X400 sq.mm	Each	7847
322-742	OD termination kit (outdoor - HS type) FOR 33KV 1X630 sq.mm	Each	6714
322-562	OD termination kit (outdoor - HS type) FOR XLPE 11KV 3X300 sq.mm	Each	2420
322-560	OD termination kit (outdoor - HS type) FOR XLPE 11KV 3X120 sq.mm	Each	2117
	<u>Indoor type Termination kit (HS type for XLPE cable)</u>		
	Heat Shrinkable (HS) type		
322-591	ID termination kit (Indoor) FOR XLPE 33KV 3X400 sq.mm	Each	6500
322-738	ID termination kit for XLPE 33 KV 1x630 Sq.mm	Each	3046
322-588	ID termination kit for XLPE 11KV 3X300 sq.mm	Each	2087
322-586	ID Termination kit for 11 KV, 3X120 sqmm	Each	1652
	<u>Cable Compound</u>		

Item code No	Description	Unit	2021-22 Rate (in Rs.)
322-520	LT	Tonne	80302
	`V' Trough		
322-513	V Trough for 33KV	Each	392
322-512	V TROUGHS FOR 11KV	Each	245
322-517	33 KV RCC cover slab	Each	307
	Spun Pipes		
710-810	Spun pipe 225 mm (RCC)	Each	1170
710-811	Spun pipe 150 mm (RCC)	Each	801
710-836	Spun pipe 100 mm (RCC)	Each	627

Item code No	Description	Unit	2021-22 Rate (in Rs.)
	Under Ground (UG) service connection material		
340-736	Aluminium LUGS 120 Sq.mm	Each	9
340-737	Aluminium LUGS 240 Sq.mm	Each	22
340-747	Aluminium line connector 120 Sq.mm	Each	8
340-749	Aluminium line connector 240 Sq.mm	Each	18
	Aluminium Hollow pipe (Rate per kg)		
642-163	Hollow pipe Alu. 1 inch OD - 3.1m length	Kg.	1408
642-150	Hollow pipe 38mm (1.5 Inch) dia,(Alu.Bus bar)	Kg.	987
642-152	Alu. Bus bar 50 mm-(2 In) Dia	Kg.	378
GROUP V - STEEL ITEMS			
	Mild Steel (M S) Rods/Rounds		
600-720	12 mm	MT	61360
600-721	16 mm	MT	61360
600-722	20 mm	MT	61360
600-728	40 mm	MT	61360
	Mild Steel (MS) Flats		
600-450	50 x 6 mm	MT	59590
600-471	50 x 8 mm	MT	59118
600-491	65 x 10 mm	MT	59118
	200 x 6 mm	MT	61832
	300 x 8 mm	MT	61832
	Rolled Steel (R.S.) Joist		
600-426	250 x 125 mm (11.19 kg/feet)	MT	44863
	42' RSJ pole	Each	21085

Item code No	Description	Unit	2021-22 Rate (in Rs.)
	40' RSJ pole	Each	20081
	36' RSJ pole	Each	18073
30			

Item code No	Description	Unit	2021-22 Rate (in Rs.)
310-083	200 x 100 mm (7.26 kg/feet)	MT	55100
310-305	42' RSJ pole	Each	16801
310-304	40' RSJ pole	Each	16001
310-303	36' RSJ pole	Each	14401
310-302	33' RSJ pole	Each	13201
310-301	30' RSJ pole	Each	12001
	Mild Steel (M.S.)Angles		
600-021	50 x 50 x 6 mm	MT	60534
600-035	65 x 65 x 6 mm	MT	60652
	M.S.Channel		
600-305	75x40 mm	MT	60888
600-311	100x50 mm	MT	60593
600-316	125x 65 mm	MT	61360
600-335	150x75 mm	MT	60298
600-356	200x 75mm	MT	60298
	Copper control cables		
	2C x 2.5 sq.mm armoured copper control cable	Km.	70555
321-399	4C x 2.5 sq.mm armoured copper control cable	Km.	107762
321-412	4C x 4 sq.mm armoured copper control cable	Km.	151285
	8C x 2.5 sq.mm armoured copper control cable	Km.	180405
321-459	8C x 4 sq.mm armoured copper control cable	Km.	285140
321-501	14C x 2.5 sq.mm armoured copper control cable	Km.	297757
	50mm Aluminium Bus Bar	No.	405920

Item code No		Description	Unit	2021-22 Rate (in Rs.)
31				