



KERALA STATE ELECTRICITY BOARD Ltd

(Incorporated under the Companies Act, 1956)

Registered Office: Vydyuthi Bhavanam, Pattom, Thiruvananthapuram –
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ABSTRACT

Process re-engineering of procurement procedure in KSEBL- Procurement of urgent material for emergency pre-monsoon and breakdown maintenance works – Guidelines for purchasing essential material required for the period May to August 2024 – Sanctioned-Orders issued

Corporate Office (SBU-D)

Office Order (CMD) No.DD/AE6/2024/PP/Material
Requirement for essential works/22663 Thiruvananthapuram.

Dated:06-05-2024

Read : 1.BO(DB)/No.70/2024(KSEB/SCM/XM/AE(A)/2023-24 dated:13.02.2024

2.Note dated:29.04.2024 to the Chairman and Managing Director, KSEBL

ORDER

Introduction:

For the last two years Director P&SCM in various meetings was instructed to work on procurement so as to have efficient procurement system. It was decided that the procurement should be done in such a way that in the month of September the process is initiated and completed by December so that next FY April onward we the material are received at the required places in the field.

However, as it was not timely done. As a result of that, continuously from Nov 2023 onward follow up with SCM unit was done. Had the SBU taken actions in time, there would not have been the present situation of procurement process initiation in the month of May and emergency purchases separately.

The Board order cited above in Read 1 gives all the information regarding how the procurement and local purchase was happening in the company in the past. It also gives information regarding its drawbacks and various issues in contract management. After detailed discussion the Board had taken the decision and approved the framework for doing the procurement and bidding parameters especially regarding price variation.

The Procurement and Supply Chain Management Unit now is doing process re-engineering of procurement procedure in KSEBL on war footing. The exercise, even though aimed at making changes in the existing procurement and supply chain management for creating an optimal, highly streamlined and a flawless material procurement and supply chain, expectantly resulting in optimal utilization of financial resource of the company, would take some time for streamlining.

Now it is proposed by Director P& SCM that for emergency works only, local purchase to be allowed upto August 2024.

ORDER

Having considered the above proposal, all the respective SBUs shall do the purchases of emergency material upto August 2024 as per the following guidelines.

1. All the Directors of SBUs shall be responsible to ensure that material are available for break down maintenance especially during monsoon period.
2. They shall review the stock position on daily basis and report.
3. The concerned Directors have reported material required for the emergency works upto August 2024.
4. The material required for emergency works during May to August 2024 are dealt in this order for local purchases.
5. The material required for break down maintenance and calamity works during rest of the year to be anticipated and forecasted quantity to be made a part of the procurement plan 2024-25 in such a way that during pre monsoon in April, May 2025 there should not be any shortage. This way every year procurement cycle will cover next year 's pre monsoon and monsoon material requirement properly. Only in exceptional cases the local purchase will be resorted as per the guidelines issued from time to time for that respective period.
6. Some of the officers in the field have already given purchase orders in January, February, March, April 2024. The respective Directors are instructed to collect the information and ensure the supplies in pipe line is added in stock in hand so as to arrive at quantity required to be purchase as emergency purchases for the period May to August 2024.
7. Director Distribution has submitted two lists. The list of 18 material and within these material various items list of 203 shall be considered as per the quantity mentioned against it for emergency purchase till August 2024. The lists submitted by the Director Distribution are attached as **Annexure A and Annexure B**. It is brought to notice of all officers that even though there is a list of 203 items, it does not mean that all 203 items are required at all places for the duration. The officers are instructed to do assessment judiciously and work out the requirement and purchases.
8. Directors (Transmission) and Director (Electrical - Generation) shall submit the list of items to be purchased to Chief Engineer P&SCM for information and compilation so as to ensure that next procurement cycle such items are procured properly.
9. The Directors shall collect L1 rate of the items of the last purchases and make the tables of items and rate available to all the officers. Chief Engineer P&SCM to collect the information from all Directors and submit the report.
- 10 . All items so purchased as emergency item shall be uploaded in SAMAGRA on the same day and usage updation is also done on the same day. Concerned Directors shall ensure the same by doing follow up with Chief Engineers and Dy Chief Engineers.

11. All officers Asst Executive Engineer, Executive Engineer, Dy Chief Engineer and Chief Engineer shall exercise the local purchase as per the delegation of power in force.

12. Whenever there is any instance necessitating items which are not available in Section, Circle or State stores and needed for emergency works during May to August 2024 the following actions are to be taken.

a. If there is shortage of item, it will be either reported from Section or Circle level. Upon such situation, at Circle level at first the efforts to do supply chain management shall be resorted to. If the items are available in any of the Stores within the Circle the material may be transferred to the needy place by doing entry in SAMAGRA.

b. Depending on the stored inventory as on today, the Regional Chief Engineers may explore a short tender by giving 7 days notice period of the main items out of the list of 203 items (Annexure B) and explore the prices of the items. This will enable the Regional Chief Engineers to bring down the cost of items and also ensure the quality and standard of the items. The disclosed price may be shared to all other regions as well.

c. If the supply chain management of material from one store to other store is not possible and work is an emergency in such cases only emergency purchases shall be resorted.

d. The emergency purchase shall be done with the approval of Dy Chief Engineer.

e. The Officers exercising emergency local purchase shall judiciously decide regarding requirement of items and quantity.

f. Any single purchase of an item with value more than Rs 1 lakh shall be approved by Ex Engineer of the Division, if the value is more than 1 lakh and less than 3 lakh by Dy Chief Engineer of the Circle and if the value is more than 3 lakh and less than 5 lakh by Chief Engineer.

g. APTS unit (Energy infrastructure, Stores and Energy Theft Management Unit) shall conduct monthly random inspections regarding emergency purchases and stores.

h. Internal Audit Unit for Procurement and Supply Chain Management shall do audit of emergency purchases and monthly report shall be submitted.

i. Director P&SCM shall develop a MIS to report daily SBU wise emergency purchase items, unit rates and other relevant details.

j. While doing emergency purchase, the standardization of item shall be ensured. Chief Engineer and Dy Chief Engineer shall do tests wherever possible. Any substandard item shall be rejected.

k. The Chief Engineer (IT, CR&CAPS) is instructed to enable purchase provisions and all other provisions in the SAMAGRA software, so that the Electrical Section Offices faces no hindrance for the material requisition, purchase, accounting and usage in the emergency works. Similarly, as and when other SBU module added in SAMAGRA, the similar facilitatory arrangement may be done. The IT unit may also prepare MIS so that it will be visible to all on real time basis.

Orders are issued accordingly.

By Order of the
Chairman & Managing Director

DR. RAJAN N. KHOBRADE IAS
CHAIRMAN AND MANAGING DIRECTOR

To:

The Chief Engineer , Distribution Region (South/Central/North/North Malabar)

The Chief Engineer (P&SCM)

The Chief Engineer (IT ,CR & CAPS)

Copy to:

- 1.The Deputy Chief Engineers ,Electrical Circles - For forwarding to all offices under their jurisdiction.
- 2.The Chief Vigilance Officer / Legal Advisor & Disciplinary Enquiry Officer /Chief Internal Auditor
- 3.TA to Chairman and Managing Director
- 4.TA to Director (Generation Electrical / Generation Civil / Transmission ,System Operation & Planning)
5. The Chief Engineer (Commercial and Tariff)
- 6.The RAO/ECA/RCAO
- 7.The Legal Liaison Officer
- 8.PA to Director (Finance & HRM) / Senior CA to Secretary Administration / Company Secretary / Fair Copy Section / Library / Stock File

**Forwarded / By Order
Approved for Issue**

Annexure A

Material requirement for Emergency Breakdown and Natural Calamity works upto August 2024

Serial No	Particulars
1	Insulators - Low tension / High tension / Stay
2	Nuts and Bolts of various sizes
3	Low tension cables PVC / XLPE Aerial cables
4	High tension cable ends / joints
5	Service Wire
6	Fuse wire
7	Fuse Units
8	Cross Arms - Low tension
9	Spares of Aerial Bunched Cables (Low tension / High tension)
10	Stay Set
11	Earth Coil
12	GI Wire
13	Earth Pipe
14	Aluminium Legs
15	Insulation tape, cotton waste, other consumables etc
16	Spacers
17	Spares of AB Switches / RMU
18	Hardware fittings

ANNEXURE B

Material requirement for Emergency Breakdown and Natural Calamity works up to August 2024

SI No	Code	Name of Material	Unit	Actual Requirement (after cosidering Present stock)	Emergency Requirement up to August 2024
1	ERP_NEW_0297	Anchor Plate 300 x 300 x 8 mm GI (HT Stay Plate GI)	E	87487	43743
2	94300002000000	Anchor Plate 450 x 450 x 75 mm RCC (Stay Plate HT/LT-RCC)	E	2256	1128
3	98507102000000	Anchoring / Dead end Clamp Assembly for LT AB Cables up to 70 sq.mm (Insulated Messanger up to 50 sq mm)	E	88122	44061
4	98501502000000	Anchoring /Dead end Clamp Assembly for HT AB Cables up to 150 sq.mm (Insulated messanger 95 to 120 sq mm)	E	10647	5324
5	93301102350500	Angle cross arm GI 35 x 35 x 6 mm 0.5 mt	E	2376	1188
6	95600075400502	Angle cross arm GI 75 x 40 x 6 mm 0.5 mt	each	88	44
7	94100802000000	Base Frame SMC for LT Section Fuse with neutral Link	E	3629	1815
8	1601040160000000	BOLT & NUT GI 40mm x 16mm (1 1/2 x 5/8)	kg	92	46
9	1601035100000000	Bolt & Nut GI M 10 x 35 (1 1/4"x 3/8")	kg	93	46
10	1601016312000000	Bolt & Nut GI M 12 x 160 (6 1/2"x 1/2")	kg	45	22
11	1601040160000001	Bolt & Nut GI M 16 x 40 (1 1/2"x 5/8")	kg	1426	713
12	1601040200000000	Bolt & Nut GI M 20 x 40 (1 1/2"x 3/4")	kg	23	12
13	1601050200000000	Bolt & Nut GI M 20 x 50 (2"x 3/4")	kg	7	4
14	1601021410000000	Bolt & Nut GI M 6 x 25 (1"x 1/4")	kg	1364	682
15	1601050130000001	Bolt & Nut GI M 6 x 70 (2 3/4"x 1/4")	kg	6	3
16	1601008380000001	Bolt & Nut GI M 8 x 40 (1 1/2"x 5/16")	kg	292	146
17	1601000000000002	BOLT & NUT MS OF SIZES	kg	1079	540
18	1601381950000058	BOLT & NUT STAINLESS STEEL (1 1/2 X 5/8) with Washers	E	48	24
19	1600583000000210	BOLT STAINLESS STEEL (5/8 X 3)	E	2	1
20	1601065100000000	Bolt& Nut GI M 10 x 65 (2 1/2"x 3/8")	kg	12	6
21	1601150130100000	Bolt& Nut GI M 12 x 150 (6"x 1/2")	kg	108	54
22	1601200120000001	Bolt& Nut GI M 12 x 200 (7 3/4"x1/2")	kg	228	114
23	1601065120000000	Bolt& Nut GI M 12 x 65 (2 1/2"x 1/2")	kg	14518	7259
24	1601089120000000	Bolt& Nut GI M 12 x 90 (3 1/2"x 1/2")	kg	496	248
25	1601160550000000	Bolt& Nut GI M 16 x 55 (2 1/4"x5/8")	kg	38	19
26	1601075160000001	Bolt& Nut GI M 16 x 75 (3"x 5/8")	kg	9063	4532
27	1601089160000000	Bolt& Nut GI M 16 x 90 (3 1/2"x5/8")	kg	8	4
28	1601225190000000	Bolt& Nut GI M 20 x 225 (8 3/4"x3/4")	kg	59	29
29	1601250000190001	Bolt& Nut GI M 20 x 250 (9 3/4"x3/4")	kg	303	151
30	1601250000190001	Bolt& Nut GI M 20 x 250 (9 3/4"x3/4")	kg	53600	26800
31	1601254200000000	Bolt& Nut GI M 20 x 255 (10"x3/4")	kg	725	362
32	1601300200000000	Bolt& Nut GI M 20 x 300(11 3/4"x 3/4")	kg	6583	3292

33	160315016000000	Bolt& Nut GI M16 x150(6"x5/8")	kg	63	32
34	160320020000000	Bolt& Nut GI M20 x205(8"x3/4")	kg	28026	14013
35	160112010000000	Bolt& Nut SS M 12 x 100 (4"x 1/2")	kg	13	6
36	160207010000000	Bolt& Nut SS M6 x 25 (1"x 1/4")	E	74	37
37	504050010300000	Cable 1.1 kV PVC 3.5x50 sq mm (Un Armoured)	m	5512	2756
38	505113512000000	Cable 1.1 kV PVC AL 3.5 c x 120 sq mm(Un Armoured)	m	9681	4841
39	504025010400000	Cable 1.1 kV PVC AL 4c x25 sq mm (Un Armoured)	m	15638	7819
40	512002011000000	Cable 1.1 kV PVC Cu 10 x 2.5 Sq.mm (Control Cable 1.1 kV Cu 10 x 2.5 Sq.mm)	m	37	18
41	512205011900000	Cable 1.1 kV PVC Cu 19 x 2.5 Sq.mm (Control Cable 1.1 kV Cu 19 x 2.5 Sq.mm)	m	23	11
42	512205010200000	Cable 1.1 kV PVC Cu 2 x 2.5 Sq.mm (Control Cable 1.1 kV Cu 2 x 2.5 Sq.mm)	meter	82	41
43	503016010200000	Cable 1.1 kV XLPE AL UG 2c x 16 sq mm (Armoured)	m	30	15
44	ERP_NEW_0066	Cable 1.1 kV XLPE AL UG 3.5 c x 70 sq mm (Armoured)	meter	48	24
45	503095120400000	Cable 1.1 kV XLPE AL UG 3.5 c x 95 sq mm (Armoured)	meter	504	252
46	503004500000000	Cable 1.1 kV XLPE AL UG 4c x 50 sq mm (Armoured)	m	112	56
47	512240101000000	Cable 1.1kV PVC AL 1c x 240 sq mm (Un Armoured)	m	55	27
48	512002010400000	Cable 1.1kV PVC Cu 4 c X 2.5 sq.mm	m	85	43
49	507025010200000	Cable 1.1kV PVC Insulated AL Twin Core 2.5 Sq.mm PVC Sheathed Weather Proof (TC Weather Proof Wire 1/1.8)	m	1802379	901189
50	507004010200000	Cable 1.1kV PVC Insulated AL Twin Core 4 Sq.mm PVC Sheathed Weather Proof (2c x 4 sq.mm WP Wire)	m	44994	22497
51	509006010200000	Cable 1.1kV PVC Insulated AL Twin Core 6 Sq.mm PVC Sheathed Weather Proof (TC Weather Proof Wire 1/2.8)	m	289890	144945
52	503120010100000	Cable 1.1kV XLPE AL 1c X 120 sq mm (Un Armoured)	m	239269	119635
53	503150010100000	Cable 1.1kV XLPE AL 1c x 150 sq mm (Un Armoured)	m	402	201
54	503016010100000	Cable 1.1kV XLPE AL 1c X 16 sq mm (Un Armoured)	m	1763	882
55	503050010100000	Cable 1.1kV XLPE AL 1c x 50 sq mm (Un Armoured)	m	6320	3160
56	50361851205001	CABLE 1.1KV XLPE AL 3.5 X185 sqmm (Un Armoured)	m	163	81
57	503150120400000	Cable 1.1kV XLPE AL UG 3.5c x150 sq mm (armoured)	m	3749	1874
58	504352400000000	Cable 1.1kV XLPE AL UG 3.5c x240 sq mm (armoured)	m	1783	891
59	503120120300000	Cable 11kV XLPE AL UG 3c X120 sq mm (Armoured)	m	97994	48997
60	503150120300000	Cable 11kV XLPE AL UG 3c X150 sq mm (Armoured)	m	132	66
61	503185120300000	Cable 11kV XLPE AL UG 3c X185 sq mm (Armoured)	m	20964	10482
62	503300120300000	Cable 11kV XLPE AL UG 3c X300 sq mm (Armoured)	m	412502	206251
63	503300220300000	Cable 33kV XLPE AL UG 3c x 300 sq mm (Armoured)	m	3068	1534
64	510300000000000	Cable Clamp 3X300 Sq.mm with CBN -GI	E	57	28
65	538110000150000	Cable End Termination Kit 1.1 kV XLPE 3.5 c x 150 Sq.mm -Heat Shrinkable (Outdoor)	E	9	4
66	538110000350000	Cable End Termination Kit 1.1 kV XLPE 3.5 c x 300 Sq.mm -Heat Shrinkable (Outdoor)	E	20	10
67	538110003570000	Cable End Termination Kit 1.1 kV XLPE 3.5 c x 70 Sq.mm -Heat Shrinkable (Outdoor)	E	5	2
68	539120000300000	Cable End Termination Kit 11 kV XLPE 3c x 120 Sq.mm -Heat Shrinkable (Outdoor)	E	181	91
69	539185000300000	Cable End Termination Kit 11 kV XLPE 3c x 185 Sq.mm -Heat Shrinkable (Outdoor)	E	68	34

70	5.393E+13	Cable End Termination Kit 11 kV XLPE 3c x 300 Sq.mm -Heat Shrinkable (Outdoor)	E	783	391
71	53922033000000	Cable End Termination Kit 22 kV XLPE 3c x 300 Sq.mm -Heat Shrinkable (Outdoor)	E	15	7
72	53950022010000	Cable End Termination Kit 33 kV XLPE 1c x 500 Sq.mm -Heat Shrinkable (Outdoor)	E	5	2
73	54218000000000	Cable Gland 180 mm	E	6	3
74	54202800000000	Cable Gland 28 mm	E	5	2
75	55130000000000	CABLE LUG Copper 300 sq mm	E	14	7
76	55007001000000	CABLE LUG CU 70 SQ,MM PALM TYPE	E	82	41
77	ERP_NEW_0089	Cable Straight Joint Kit 1.1 kV XLPE 2 c x 25 Sq.mm -Heat Shrinkable	Set	45	23
78	54035022015000	Cable Straight Joint Kit 1.1 kV XLPE 3.5 c x 150 Sq.mm -Heat Shrinkable	E	8	4
79	54001850030000	Cable Straight Joint Kit 11 kV XLPE 3c x 185 Sq.mm -Heat Shrinkable (Outdoor)	E	58	29
80	54030000030000	Cable Straight Joint Kit 11 kV XLPE 3c x 300 Sq.mm -Heat Shrinkable (Outdoor)	E	1494	747
81	54030022030000	Cable Straight Joint Kit 33 kV XLPE 3c x 300 Sq.mm -Heat Shrinkable (Outdoor)	E	7	3
82	55400000010000	Cable Tag Aluminium	E	23	11
83	ERP_NEW_1158	Cable Tie , UV Plastic,Heavy Duty,450 mm length	No	19868	9934
84	55525300300001	Cable Tray GI (Perforated) 300 x 30 x 1.6mm-2.5 mt	E	1506	753
85	ERP_NEW_0245	Channel Cross arm -Cantiliver -HT-GI (75x40x6-2.24 mt)	E	501	250
86	93304150250000	Channel Cross arm for LT 4 Pin -GI 75 x 40 x 6 mm 1.11 mt (4 Line Cross arm)	E	153419	76710
87	95401000000000	Channel Cross arm GI - LT 2 Line 75 x 40 mm (2 line Channel Cross arm)	E	100890	50445
88	95401000000000	Channel Cross arm GI - LT 2 Line 75 x 40 mm (2 line Channel Cross arm)	E	572	286
89	93301101993003	Channel cross arm GI 100 x 50 x 6 mm - 3 mt	E	20832	10416
90	93301101990700	Channel cross arm GI 100 x 50 x 6 mm 0.75 mt	E	7	3
91	93301151752401	Channel cross arm GI 100 x 50 x 6 mm 2.4 mt	E	1026	513
92	93301151751801	Channel cross arm GI 75 x 40 x 6 mm 1.8 mt	E	9601	4801
93	93301101753000	Channel cross arm GI 75 x 40 x 6 mm 3 mt	E	1290	645
94	ERP_NEW_0380	Clamp for HT Cross arm	Set	2169	1084
95	ERP_NEW_0384	Clamp for HT Stay	E	18787	9393
96	ERP_NEW_0749	Clamp GI for 11 kV line V cross arm	each	19705	9853
97	94100024000001	Clamp GI for 2/4 line channel Cross Arm for PSC Poles 200kg	Set	133486	66743
98	ERP_NEW_0111	Clamp GI For 8 mt Strut Pole (For Strut)	No	4663	2331
99	94100008000002	Clamp GI for 8 mt Tubular pole	each	426	213
100	ERP_NEW_0747	Clamp GI For 9 mt Strut Pole (For Pole)	E	26	13
101	ERP_NEW_0219	Clamp GI For 9 mt Strut Pole (For Strut)	kg	3932	1966
102	94100007000000	Clamp GI for Cable Support Pipe	E	12	6
103	95001080000000	Clamp GI for Cable Tray in Transformer DP	E	2464	1232
104	94100005000000	CLAMP GI FOR EARTH ELECTRODE	E	25	12
105	ERP_NEW_0221	Clamp GI for HT Cantiliver Cross arm (50 x 8 x 276 mm)	E	508	254
106	ERP_NEW_0112	Clamp GI for HT Stay for End location	No	28	14

107	ERP_NEW_0113	Clamp GI for LT 2pin/4 Pin Cross arm for end location	No	1005	502
108	9410003010060	Clamp GI for LT Stay for Angular location	E	50784	25392
109	ERP_NEW_0106	Clamp GI for LT Stay for End location	No	69	34
110	ERP_NEW_0228	Clamp GI For Transformer Side Belting Angle	No	768	384
111	9380000000000	Cleat GI for 11kV Disc insulator	E	10401	5200
112	54205000000001	COPPER CABLE GLAND 50mm	E	5	2
113	ERP_NEW_0746	Crimping Socket -Long Barrel Type 240 Sq.mm -AL	each	237	119
114	54502500000002	CRIMPING SOCKET Copper 25 sqmm	E	41	21
115	54512000000000	Crimping Socket Palm Type 120 Sq.mm - Al (Cable Lug)	E	43994	21997
116	54516000000000	Crimping Socket Palm Type 16 Sq.mm - Aluminium (Cable Lug)	E	101	50
117	54505000000000	Crimping Socket Palm Type 50 Sq.mm - Al(Cable Lug)	E	14633	7316
118	54507000000000	Crimping Socket Palm Type 70 Sq.mm -Al (Cable Lug)	E	37	18
119	55100200000000	Crimping Socket Ring Type 2.5 Sq.mm - Cu (Cable Lug)	each	54	27
120	55102500000000	Crimping Socket Ring Type 25 Sq.mm -Cu (Cable Lug)	each	29	15
121	ERP_NEW_0366	Disc Insulator 22 kV Composite Polymeric	E	104	52
122	91104512990000	Disc Insulator 11 kV Composite Polymeric	E	19319	9660
123	95500025060000	Earth Clamp GI 40 mm Dia	E	11101	5551
124	95270900000000	EARTH WIRE GI 7/9	kg	4282	2141
125	952008000000100	Earthing Coil GI 115 Turns 50 mm internal Dia dia	E	3014	1507
126	952008000000100	Earthing Coil GI 115 Turns 50 mm internal Dia dia	E	23668	11834
127	ERP_NEW_0686	End Termination Kit HT ABC 3c x 120 Sq mm	Set	3343	1672
128	ERP_NEW_0723	End Termination Kit HT ABC 3c x 150 Sq.mm	Set	2663	1332
129	ERP_NEW_0083	End Termination Kit LT ABC 3c x 70 Sq.mm	Set	14	7
130	53902114500000	End termination kit LT XLPE Cable 4c x50 sqmm (Out door)	E	3	1
131	93403016000000	Eye Bolt GI M 16 x 300 mm	E	99	50
132	151310012000000	FUSE DROP OUT 11 kV	E	4346	2173
133	151310016000000	FUSE DROP OUT 22 kV	E	27	14
134	151063004000000	FUSE LT HRC 630A	E	4	2
135	150910000000000	FUSE UNIT 100 V 100A PORCELAIN	E	36027	18014
136	150920000000000	FUSE UNIT 415 V 200A PORCELAIN	E	28274	14137
137	151410000000000	Fuse Wire 100A (14 SWG)	kg	705	353
138	151420000000000	Fuse Wire 200A (14 SWG)	kg	4821	2411
139	952004000000000	GI Wire 4 SWG	kg	94319	47160
140	952008000000000	GI Wire 8 SWG	kg	158829	79415
141	932709000000000	GI Wire 9 SWG (3.65 mm dia)-For WP support	kg	139039	69519
142	698011000000000	Hardware Fittings 11kV B&S Type	E	54996	27498
143		Heat shrinkable end cap suitable for 99 sq.mm Covered conductor	each	18000	9000

144	94301102000000	Helically formed Guy-Grip HT	E	184114	92057
145	94300402000000	Helically formed Guy-Grip LT	E	239096	119548
146	94300004063001	HRC Fuse Base 630 A	E	4	2
147	ERP_NEW_0899	Insulation Piercing connector - Main : 10 sq mm to 95 sq mm; Tap : 4 sq mm to 35 sq mm	No	4834	2417
148	ERP_NEW_1194	Insulation Piercing Connector for Covered Conductor -Main 35-240 Sq mm Tap 35-240 Sq mm(For AAAC	each	27000	13500
149	98509570169595	Insulation Piercing Connector - Main: 16 sq mm to 95 sq mm; Tap : 16 sq mm to 95 sq mm	E	115012	57506
150	ERP_NEW_1136	Insulation Piercing Connector (IPC Connector) Main 16 sq mm to 70 sq mm; Tap 4 sq mm to 50 sq mm	E	5046	2523
151		Insulation Piercing connector Bare to covered conductor	each	9000	4500
152	98507006000000	Insulation Piercing Satellite connector – Main : 16 sq mm to 95 sq mm; Tap : 4 sq mm to 50 sq mm (4 wav)	E	1209	604
153	170800000000000	Insulation Tape 5 M Roll	E	8175	4088
154	979000000000000	Knee bracing for HT Cantilver cross arm	E	2715	1357
155	ERP_NEW_0742	Lightning Arrester 9 kV,10 KA (Station class) Composite Polymer Housing	E	15612	7806
156		Mid span joint for 99 sq.mm Covered conductor	each	9000	4500
157	ERP_NEW_1357	MVT Kit for HT ABC (3 Nos)	Set	870	435
158		Non-metallic alignment tie (Pin insulator) for covered conductor	each	216000	108000
159	ERP_NEW_0900	ORUMA Printed Receipt Forms-(Unit of 1000 receipts)	Bundle(1000 receipts)	99534	49767
160	91301112000000	Pin Insulator 11kV Composite Polymeric	E	82150	41075
161	91104512990002	Pin Insulator 33 kV Composite Polymeric	E	89	45
162	9.12045E+13	PIN INSULATOR 415V SET(WITH PIN)	Set	187942	93971
163	1.1615E+13	Pipe GI 150 mm dia	E	2148	1074
164	97402500000000	Pipe GI 25 mm dia	m	363	182
165	95404000000000	Pipe GI 40 mm dia -2.5 m Length(Earth Pipe)	E	8706	4353
166	11607502000007	Pipe GI 75 mm dia	m	6	3
167	98000001000000	Pole Clamp for ABC conductor	E	338	169

168	97741563000001	Post Mounting Distribution box for LT Service Connection	E	2000	1000
169	ERP_NEW_1160	Pre Insulated bimetallic terminal Lug for LT ABC Phase Cable 50 Sq.mm	No	812	406
170	ERP_NEW_1159	Pre Insulated bimetallic terminal Lug for LT ABC Phase Cable 70 Sq.mm	No	3549	1774
171	55001602000000	Pre- Insulated Crimping Socket Palm Type 16 Sq.mm -Bimetallic (For ABC)	E	2376	1188
172	55009500000001	Pre- Insulated Crimping Socket Palm Type 95 Sq.mm -Bimetallic (For ABC)	E	6560	3280
173	ERP_NEW_0115	Reel Insulator Porcelain 415/240 V	No	4595	2297
174		Satellite connector – Main : 16 sq mm to 95 sq mm; Tap : 2.5 sq mm to 35 sq mm (4_wav)	each	453913	226957
175	91404548000099	SHACKLE INSULATOR 415V SET(WITH STRAP BOLT&NUT)	Set	139628	69814
176	99801100000000	SINGLE TENSION CLAMP GI 33KV (HARDWARE FITTINGS 33kV)	E	198	99
177	ERP_NEW_0344	Spacer LT 2 Line 300 mm Composite	E	900000	450000
178	ERP_NEW_0343	Spacer LT 4 Line 300 mm Composit	E	700000	350000
179	ERP_NEW_1174	Spacer LT 4 line Composit (For Cable Tray) With GI B&N	E	7206	3603
180	ERP_NEW_0053	Square Washer GI M10	No	365	182
181	ERP_NEW_0464	SS Bolt and nut 6X20mm	E	163	82
182	98612002000004	Stainless Steel Buckle Slot width 20.5 mm x 1.5 mm,Thickness 1.2 mm.	E	117319	58659
183	95200035000000	Stainless Steel Strap 10 mm x 0.7 mm- For clamping earth wire	E	45523	22762
184	98612002000003	Stainless Steel Strap 20 mm x 0.7 mm	m	169540	84770
185	ERP_NEW_0369	Stay Insulator -22 kV	E	24	12
186	91504512000000	Stay Insulator Porcelain 11 kV	E	59873	29937
187	91504548000000	Stay Insulator Porcelain 415/240 V	E	159092	79546
188	94300404000000	Stay Rod (Anchor Rod) GI 16 mm dia (LT Stay Rod)	E	137184	68592
189	94300401000000	Stay Wire 7/12 (7/2.5 mm) GI (LT Stay Wire)	kg	209741	104871
190	94301101000000	Stay Wire 7/8 (7/3.15mm) GI (HT Stay Wire)	kg	895557	447778
191	98615001000000	Suspension Clamp Assembly for HT AB Cables up to 150 sq.mm	E	27427	13713
192	ERP_NEW_1145	Suspension Clamp Assembly for LT AB Cables up to 70 Sq.mm (Insulated messenger up to 50 Sq.mm)	E	39806	19903
193	ERP_NEW_0794	Suspension Clamp Assembly for LT Covered Conductor -Up to 70 sq.mm	Set	839	420
194		Tension/Anchoring clamp with tracking protection IPC for covered conductor	each	108000	54000
195	ERP_NEW_0678	Thermal Paper Roll - 57 x 15 (55 GSM)	Roll (15M)	1990680	995340
196	94400001000000	Thimble GI 75 mm x 22 mm x 40 mm ,1.5 mm Thickness (For HT and LT)	E	264792	132396
197	ERP_NEW_0238	Transformer Belting Angle-65 x 65 x 6 mm -3 mt - GI	E	742	371
198	95704400000000	Turn Buckle ,Eye bolt with 2 Nuts 16 mm dia -GI (LT)	E	80211	40106
199	95701100000000	Turn Buckle ,Eye bolt with 2 Nuts 20 mm dia -GI (11kV)	E	51651	25826
200	93301103000000	V cross arm -GI -11 kV	Set	4309	2155
201	93302203000000	V cross arm GI 22 kV	E	3	1
202	53607012000000	Wedge connector for HT Covered conductor	Set	14	7
203	ERP_NEW_0389	XLPE Insulated ACSR Rabbit Conductor (1.5 mm thickness)	m	343034	171517