

**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
1	N/0/0001	297310210114H		T016/016	HIGH VOLTAGE BUSHING	HBTB585625R0001	CLW/ES/3/0052/C	01	1.00	1.00
				T016/016	HIGH VOLTAGE BUSHING	HBTB585625R0001		01	1.00	NIL
				B016/016	HIGH VOLTAGE BUSHING	HBTB585625R0001		01	NIL	1.00
2	N/0/0007	296100350114P		T032/003	BUZZER OVERSPEED / FIRE ALARM / VIGILANCE WARNING	HBTB585528R0101	CLW/ES/3/0078/B	01	2.00	2.00
				T032/044	BUZZER OVERSPEED/FIRE ALARM/ VIGILANCE WARNING	HBTB585528R0101		01	2.00	NIL
				B032/044	BUZZER OVERSPEED/FIRE ALARM/ VIGILANCE WARNING	HBTB585528R0101		01	NIL	2.00
3	N/0/0009	297710180114P		T020/008	CAPACITORS (22 MICRO FARAD) ALONGWITH ACCESSORIES i.e. RETAINING RING, MOUNTING PLATE, INSULATING PART AS PER DRAWING NO. CLW/ES/3/SK-2/0097/C	3EHP585811P0002	CLW/ES/3/0097/C	01	4.00	4.00
				T020/224	CAPACITOR TO SCAVENGE BLOWER MR	3EHP585811P0002		01	1.00	NIL
				T020/081	CAPACITOR TO SCAVENGE BLOWER MR	3EHP585811P0002		01	1.00	NIL
				T023/033	RUNNING CAPACITOR FOR M. R. BLOWER	3EHP585811P0002		01	1.00	NIL
				T023/515	RUNNING CAPACITOR FOR M. R. BLOWER	3EHP585811P0002		01	1.00	NIL
				B023/180	RUNNING CAPACITOR FOR M. R. BLOWER	3EHP585811P0002		01	NIL	1.00
				B023/033	RUNNING CAPACITOR FOR M. R. BLOWER	3EHP585811P0002		01	NIL	1.00
				B020/224	CAPACITOR TO SCAVENGE BLOWER MR	3EHP585811P0002		01	NIL	1.00
				B020/081	CAPACITOR TO SCAVENGE BLOWER MR	3EHP585811P0002		01	NIL	1.00
4	N/0/0010	299600220114P		T019/009	CONTACTOR FILTER ON/OFF & ADAPTION (CONTACTOR TYPE-1)	HSBA433699R1384	CLW/ES/3/0086/A	01	2.00	2.00
				T021/004	CONTACTOR FILTER ADAPTION	HSBA433699R1384		01	1.00	NIL
				T021/003	CONTACTOR FILTER ON/OFF	HSBA433699R1384		01	1.00	NIL
				B021/004	CONTACTOR FILTER ADAPTION	HSBA433699R1384		01	NIL	1.00
				B021/003	CONTACTOR FILTER ON/OFF	HSBA433699R1384		01	NIL	1.00
5	N/0/0011	297710060114P		T021/005	CAPACITOR BANK HARMONIC FILTER ALONGWITH ACCESSORIES i.e. TIGHTENING CLAMP ,FRONT HALF SHELL,REAR HALF SHELL WITH HARDWARES AS PER DRAWING NO. CLW/ES/3/SK-1/0087/A AND CLW/ES/3/SK-2/0087/A.	3EHP510205R1001	CLW/ES/3/0087/A	01	6.00	2.00

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				T021/005	CAPACITOR BANK HARMONIC FILTER ALONGWITH ACCESSORIES i.e. TIGHTENING CLAMP ,FRONT HALF SHELL,REAR HALF SHELL WITH HARDWARES AS PER DRAWING NO. CLW/ES/3/SK-1/0087/A AND CLW/ES/3/SK-2/0087/A.	3EHP510205R1001		01	6.00	NIL
				B021/005	CAPACITOR BANK HARMONIC FILTER ALONGWITH ACCESSORIES i.e. TIGHTENING CLAMP ,FRONT HALF SHELL,REAR HALF SHELL WITH HARDWARES AS PER DRAWING NO. CLW/ES/3/SK-1/0087/A AND CLW/ES/3/SK-2/0087/A.	3EHP510205R1001		01	NIL	2.00
6	N/0/0012	298900320114P		T021/006	<b>CONTACTOR FOR DISCHARGING RESISTOR (CONTACTOR TYPE-2)</b>	<b>3EHP585762R6183</b>	<b>CLW/ES/3/0088/A</b>	<b>01</b>	<b>1.00</b>	<b>1.00</b>
				T021/006	CONTACTOR FOR DISCHARGING RESISTOR	3EHP585762R6183		01	1.00	NIL
				B021/006	CONTACTOR FOR DISCHARGING RESISTOR	3EHP585762R6183		01	NIL	1.00
7	N/0/0014	298900560114P		T023/009	<b>CONTACTOR FOR MAIN COMPRESSOR AND BUR-1/2 (CONTACTOR TYPE - 3)</b>	<b>HBTB585683R2927</b>	<b>CLW/ES/3/0095/C</b>	<b>01</b>	<b>5.00</b>	<b>5.00</b>
				T023/177	CONTACTOR FOR MAIN COMPRESSOR	HBTB585683R2927		01	1.00	NIL
				T023/025	CONTACTOR FOR MAIN COMPRESSOR	HBTB585683R2927		01	1.00	NIL
				T023/517	CONTACTOR FOR BUR -1/2	HBTB585683R2927		01	2.00	NIL
				T023/638	CONTACTOR FOR AC SYSTEM	HBTB585683R2927		01	1.00	NIL
				B023/517	CONTACTOR FOR BUR -1/2	HBTB585683R2927		01	NIL	2.00
				B023/177	CONTACTOR FOR MAIN COMPRESSOR	HBTB585683R2927		01	NIL	1.00
				B023/025	CONTACTOR FOR MAIN COMPRESSOR	HBTB585683R2927		01	NIL	1.00
				B023/638	CONTACTOR FOR AC SYSTEM	HBTB585683R2927		01	NIL	1.00

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WAG-9/WAP-7 &WAP-5  
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8	N/2/0015	297710200114P	77	T023/371	START- UP CAPACITOR (47 MICRO FARAD)	3EHP585811P0005	CLW/ES/3/0097/C	01	2.00	2.00
				T023/516	START - UP CAPACITOR FOR MACHINE ROOM BLOWER	3EHP585811P0005		01	1.00	NIL
				T023/180	START - UP CAPACITOR FOR MACHINE ROOM BLOWER	3EHP585811P0005		01	1.00	NIL
				B023/372	START - UP CAPACITOR FOR MACHINE ROOM BLOWER	3EHP585811P0005		01	NIL	1.00
				B023/421	START - UP CAPACITOR FOR MACHINE ROOM BLOWER	3EHP585811P0005		01	NIL	1.00
9	N/0/0016	298900200114P	89	T024/011	CONTACTOR FOR CONTROL ELECTRONICS AND CONTROL CKT. 'ON ' (CONTACTOR TYPE - 4)	HBTB585633R0820	CLW/ES/3/0034/B	01	2.00	2.00
				T024/236	CONTACTOR CONTROL ELECTRONICS	HBTB585633R0820		01	1.00	NIL
				T024/214	CONTACTOR, CONTROL CIRCUIT 'ON '	HBTB585633R0820		01	1.00	NIL
				B024/236	CONTACTOR CONTROL ELECTRONICS	HBTB585633R0820		01	NIL	1.00
				B024/214	CONTACTOR, CONTROL CIRCUIT 'ON'	HBTB585633R0820		01	NIL	1.00
10	N/0/0017	298910000314P	89	T024/364	CONTACTOR POWER SUPPLY TO CAB WITH ITS ACCESSORIES (CONTACTOR TYPE - 5)	i)HBTB585683R4227 ii)3EHP585771R0006	CLW/ES/3/0064/A	03	2.00	2.00
				T024/439	CONTACTOR POWER SUPPLY TO CAB WITH ITS ACCESSORIES	i)HBTB585683R4227 ii)3EHP585771R0006		03	1.00	NIL
				T024/217	CONTACTOR POWER SUPPLY TO CAB WITH ITS ACCESSORIES	i)HBTB585683R4227 ii)3EHP585771R0006		03	1.00	NIL
				B024/439	CONTACTOR POWER SUPPLY TO CAB WITH ITS ACCESSORIES	i)HBTB585683R4227 ii)3EHP585771R0006		03	NIL	1.00

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				B024/217	CONTACTOR POWER SUPPLY TO CAB WITH ITS ACCESSORIES	i)HBTB585683R4227 ii)3EHP585771R0006		03	NIL	1.00
11	N/1/0017	299600340114P	89	T021/240	CONTACTOR FOR HOTEL LOAD	HSBA433691R1485	CLW/ES/3/0308/A	01	NIL/1.00	NIL
				T021/240	CONTACTOR FOR HOTEL LOAD	HSBA433691R1485		01	NIL/1.00	NIL
				B021/240	CONTACTOR FOR HOTEL LOAD	HSBA433691R1485		01	NIL	NIL
12	N/0/0018	297100910114P	64	T024/366	CKT. BREAKERS WITHOUT AUXILIARY CONTACTS (TYPE - 1)	HBTB585555R1013	CLW/ES/3/0037/E	01	24.00	24.00
				T024/466	CIRCUIT BREAKER WITHOUT AUX. CONTACTS MARKER LIGHTS	HBTB585555R1013		01	1.00	NIL
				T024/459	CIRCUIT BREAKER WITHOUT AUX. CONTACTS LIGHTING FRONT	HBTB585555R1013		01	1.00	NIL
				T024/452	CIRCUIT BREAKER WITHOUT AUX. CONTACTS MEMOTEL SPEEDOMETER	HBTB585555R1013		01	1.00	NIL
				T024/451	CIRCUIT BREAKER WITHOUT AUX. CONTACTS 24 V / 48 V POWER SUPPLY	HBTB585555R1013		01	1.00	NIL
				T024/450	CIRCUIT BREAKER WITHOUT AUX. CONTACTS CENTRAL ELECTRONICS	HBTB585555R1013		01	2.00	NIL
				T024/449	CIRCUIT BREAKER WITHOUT AUX. CONTACTS COMMISSIONING -2	HBTB585555R1013		01	1.00	NIL
				T024/448	CIRCUIT BREAKER WITHOUT AUX. CONTACTS COMMISSIONING -1	HBTB585555R1013		01	1.00	NIL
				T024/447	CIRCUIT BREAKER WITHOUT AUX. CONTACTS PNEUMATIC PANEL	HBTB585555R1013		01	1.00	NIL
				T024/444	CIRCUIT BREAKER WITHOUT AUX. CONTACTS MONITORING	HBTB585555R1013		01	1.00	NIL
				T024/443	CIRCUIT BREAKER WITHOUT AUX. CONTACTS VIGILANCE CONTROL	HBTB585555R1013		01	1.00	NIL
				T024/441	CIRCUIT BREAKER WITHOUT AUX. CONTACTS ELECTRONICS TRACTION CONVERTER	HBTB585555R1013		01	1.00	NIL
				T024/238	CIRCUIT BREAKER LIGHTING FRONT	HBTB585555R1013		01	1.00	NIL

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				T024/226	CIRCUIT BREAKER WITHOUT AUX. CONTACTS 24 V / 48 V POWER SUPPLY	HBTB585555R1013		01	1.00	NIL
				T024/225	CIRCUIT BREAKER WITHOUT AUX. CONTACTS CENTRAL ELECTRONICS	HBTB585555R1013		01	2.00	NIL
				T024/222	CIRCUIT BREAKER WITHOUT AUX. CONTACTS MONITORING	HBTB585555R1013		01	1.00	NIL
				T024/221	CIRCUIT BREAKER WITHOUT AUX. CONTACTS PANTOGRAPH / VCB CONTROL	HBTB585555R1013		01	1.00	NIL
				T024/219	CIRCUIT BREAKER WITHOUT AUX. CONTACTS ELECTRONICS TRACTION CONVERTER	HBTB585555R1013		01	1.00	NIL
				T024/463	CIRCUIT BREAKER WITHOUT AUX. CONTACTS FOR BUR - 1/2	HBTB585555R1013		01	1.00	NIL
				T024/626	CIRCUIT BREAKER FOR SPEED SENSOR MONITORING	HBTB585555R1013		01	2.00	NIL
				T024/627	CIRCUIT BREAKER FOR SR COOLING PUMP	HBTB585555R1013		01	2.00	NIL
				B024/466	CIRCUIT BREAKER MARKER LIGHTS	HBTB585555R1013		01	NIL	1.00
				B024/459	CIRCUIT BREAKER WITHOUT AUX. CONTACTOR LIGHTING FRONT	HBTB585555R1013		01	NIL	1.00
				B024/452	CIRCUIT BREAKER WITHOUT AUX. CONTACT MEMOTEL SPEEDOMETER	HBTB585555R1013		01	NIL	1.00
				B024/451	CIRCUIT BREAKER WITHOUT AUX. CONTACT 24 V / 48 V POWER SUPPLY	HBTB585555R1013		01	NIL	1.00
				B024/450	CIRCUIT BREAKER WITHOUT AUX. CONTACT CENTRAL ELECTRONICS	HBTB585555R1013		01	NIL	2.00
				B024/449	CIRCUIT BREAKER WITHOUT AUX. CONTACT COMMISSIONING -2	HBTB585555R1013		01	NIL	1.00
				B024/448	CIRCUIT BREAKER WITHOUT AUX. CONTACT COMMISSIONING -1	HBTB585555R1013		01	NIL	1.00
				B024/447	CIRCUIT BREAKER WITHOUT AUX. CONTACT PNEUMATIC PANEL	HBTB585555R1013		01	NIL	1.00
				B024/444	CIRCUIT BREAKER WITHOUT AUX. CONTACT MONITORING	HBTB585555R1013		01	NIL	1.00
				B024/443	CIRCUIT BREAKER WITHOUT AUX. CONTACT VIGILANCE CONTROL	HBTB585555R1013		01	NIL	1.00
				B024/441	CIRCUIT BREAKER WITHOUT AUX. CONTACT ELECTRONICS TRACTION CONVERTER	HBTB585555R1013		01	NIL	1.00

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SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				B024/238	CIRCUIT BREAKER LIGHTING FRONT	HBTB585555R1013		01	NIL	1.00
				B024/226	CIRCUIT BREAKER WITHOUT AUX. CONTACTS 24 V / 48 V POWER SUPPLY	HBTB585555R1013		01	NIL	1.00
				B024/225	CIRCUIT BREAKER WITHOUT AUX. CONTACTS CENTRAL ELECTRONICS	HBTB585555R1013		01	NIL	2.00
				B024/222	CIRCUIT BREAKER WITHOUT AUX. CONTACTS MONITORING	HBTB585555R1013		01	NIL	1.00
				B024/221	CIRCUIT BREAKER WITHOUT AUX. CONTACTS PANTOGRAPH / VCB CONTROL	HBTB585555R1013		01	NIL	1.00
				B024/219	CIRCUIT BREAKER WITHOUT AUX. CONTACTS ELECTRONICS TRACTION CONVERTER	HBTB585555R1013		01	NIL	1.00
				B024/463	CIRCUIT BREAKER WITHOUT AUX. CONTACTS FOR BUR - 1/2	HBTB585555R1013		01	NIL	1.00
				B024/626	CIRCUIT BREAKER FOR SPEED SENSOR MONITORING	HBTB585555R1013		01	NIL	2.00
				B024/626	CIRCUIT BREAKER FOR SR COOLING PUMP	HBTB585555R1013		01	NIL	2.00
<b>13</b>	<b>N/0/0019</b>	<b>297101080114P</b>	<b>64</b>	<b>T024/367</b>	<b>CKT. BREAKER WITHOUT AUXILIARY CONTACTS (TYPE - 2)</b>	<b>HBTB585555R1043</b>	<b>CLW/ES/3/0037/E</b>	<b>01</b>	<b>2.00</b>	<b>2.00</b>
				T024/442	CIRCUIT BREAKER WITHOUT AUX. CONTACTS POWER SUPPLY GATE - UNITS	HBTB585555R1043		01	1.00	NIL
				T024/220	CIRCUIT BREAKER WITHOUT AUX. CONTACTS POWER SUPPLY GATE - UNITS	HBTB585555R1043		01	1.00	NIL
				B024/442	CIRCUIT BREAKER WITHOUT AUX. CONTACT POWER SUPPLY GATE - UNITS	HBTB585555R1043		01	NIL	1.00
				B024/220	CIRCUIT BREAKER WITHOUT AUX. CONTACTS POWER SUPPLY GATE - UNITS	HBTB585555R1043		01	NIL	1.00
<b>14</b>	<b>N/0/0020</b>	<b>297101100114P</b>	<b>64</b>	<b>T024/368</b>	<b>CKT. BREAKER WITHOUT AUXILIARY CONTACTS (TYPE - 3)</b>	<b>HBTB585555R1023</b>	<b>CLW/ES/3/0037/E</b>	<b>01</b>	<b>8.00</b>	<b>8.00</b>
				T024/446	CIRCUIT BREAKER WITHOUT AUX. CONTACTS DRIVER'S CAB	HBTB585555R1023		01	1.00	NIL
				T024/224	CIRCUIT BREAKER WITHOUT AUX. CONTACTS DRIVER'S CAB	HBTB585555R1023		01	1.00	NIL

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				T024/445	CIRCUIT BREAKER WITHOUT AUX. CONTACTS ELECTRONICS AUXILIARY CONVERTER	HBTB585555R1023		01	2.00	NIL
				T024/223	CIRCUIT BREAKER WITHOUT AUX. CONTACTS ELECTRONICS AUXILIARY CONVERTER	HBTB585555R1023		01	1.00	NIL
				T024/628	CIRCUIT BREAKER FOR HOTEL LOAD CONVERTER	HBTB585555R1023		01	2.00	NIL
				T024/629	CIRCUIT BREAKER FOR CCB PANEL	HBTB585555R1023		01	1.00	NIL
				B024/446	CIRCUIT BREAKER WITHOUT AUX. CONTACT DRIVER'S CAB	HBTB585555R1023		01	NIL	1.00
				B024/224	CIRCUIT BREAKER WITHOUT AUX. CONTACTS DRIVER'S CAB	HBTB585555R1023		01	NIL	1.00
				B024/445	CIRCUIT BREAKER WITHOUT AUX. CONTACTS ELECTRONICS AUXILIARY CONVERTER	HBTB585555R1023		01	NIL	2.00
				B024/223	CIRCUIT BREAKER WITHOUT AUX. CONTACTS ELECTRONICS AUXILIARY CONVERTER	HBTB585555R1023		01	NIL	1.00
				B024/628	CIRCUIT BREAKER FOR HOTEL LOAD CONVERTER	HBTB585555R1023		01	NIL	2.00
				B024/629	CIRCUIT BREAKER FOR CCB PANEL	HBTB585555R1023		01	NIL	1.00
15	N/0/0021	298900680114P	89	T024/019	AUXILIARY CONTACTOR FOR VCB / PANTOGRAPH IN SB1 & SB2	HBTB585683R1127	CLW/ES/3/0040/A	01	2.00	2.00
				T024/453	AUXILIARY CONTACTOR PANTOGRAPH	HBTB585683R1127		01	1.00	NIL
				T024/229	AUXILIARY CONTACTOR VCB	HBTB585683R1127		01	1.00	NIL
				B024/453	AUXILIARY CONTACTOR PANTOGRAPH	HBTB585683R1127		01	NIL	1.00
				B024/229	AUXILIARY CONTACTOR VCB	HBTB585683R1127		01	NIL	1.00
16	N/0/0023	297110100314P	64	T024/040	CKT. BREAKERS WITH AUXILIARY CONTACTS FOR AUX. COMPRESSOR (TYPE - 6)	i)HBTB585555R1033 ii)HBTB585557R1200	CLW/ES/3/0037/E	03	1.00	1.00
				T024/430	CKT. BREAKER WITH AUXILIARY CONTACT FOR AUX. COMPRESSOR	i)HBTB585555R1033 ii)HBTB585557R1200		03	1.00	NIL

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				B024/430	CKT. BREAKER WITHOUT AUX. CONTACT FOR AUXILIARY COMPRESSOR	i)HBTB585555R1033 ii)HBTB585557R1200		03	NIL	1.00
17	N/1/0023	297110090114P	64	T024/451	<b>CKT. BREAKERS WITHOUT AUXILIARY CONTACTS (TYPE - 7)</b>	<b>HBTB585555R1033</b>	<b>CLW/ES/3/0037/E</b>	<b>01</b>	<b>1.00</b>	<b>1.00</b>
				T024/460	CKT. BREAKER WITHOUT AUX. CONTACT LIGHTING MACHINE ROOM	HBTB585555R1033		01	1.00	NIL
				B024/460	CKT. BREAKER WITHOUT AUX. CONTACT LIGHTING MACHINE ROOM	HBTB585555R1033		01	NIL	1.00
18	N/0/0024	298900190114P	89	T024/041	<b>CONTACTOR TYPE - 6</b>	<b>HBTB585402R0821</b>	<b>CLW/ES/3/0034/B</b>	<b>01</b>	<b>7.00</b>	<b>7.00</b>
				T024/431	CONTACTOR AUXILIARY COMPRESSOR	HBTB585402R0821		01	1.00	NIL
				T023/029	AUXILIARY CONTACTOR FOR CONTACTOR AUXILIARIES	HBTB585402R0821		01	4.00	NIL
				T024/464	CONTACTOR FOR HEAD LIGHT	HBTB585402R0821		01	1.00	NIL
				T024/465	CONTACTOR FOR HEAD LIGHT	HBTB585402R0821		01	1.00	NIL
				B024/431	CONTACTOR AUXILIARY COMPRESSOR	HBTB585402R0821		01	NIL	1.00
				B023/029	AUXILIARY CONTACTOR FOR CONTACTOR AUXILIARIES	HBTB585402R0821		01	NIL	4.00
				B024/464	CONTACTOR FOR HEAD LIGHT	HBTB585402R0821		01	NIL	1.00
				B024/465	CONTACTOR FOR HEAD LIGHT	HBTB585402R0821		01	NIL	1.00
19	N/0/0025	297102120114P	64	T024/042	<b>CKT. BREAKER WITHOUT AUXILIARY CONTACTS (TYPE - 8)</b>	<b>HBTB585501R4371</b>	<b>CLW/ES/3/0050/B</b>	<b>01</b>	<b>3.00</b>	<b>3.00</b>
				T024/433	CIRCUIT BREAKER CONTROL CIRCUITS LOCOMOTIVE	HBTB585501R4371		01	1.00	NIL
				T024/432	CIRCUIT BREAKER OUTPUT BATTERY CHARGER	HBTB585501R4371		01	1.00	NIL
				T017/107	CIRCUIT BREAKER , BATTERY	HBTB585501R4371		01	1.00	NIL
				B024/433	CIRCUIT BREAKER CONTROL CIRCUITS LOCOMOTIVE	HBTB585501R4371		01	NIL	1.00
				B024/432	CIRCUIT BREAKER OUTPUT BATTERY CHARGER	HBTB585501R4371		01	NIL	1.00
				B017/107	CIRCUIT BREAKER , BATTERY	HBTB585501R4371		01	NIL	1.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 & WAP-5  
FOR THE YEAR 2016-2017**

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SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
20	N/0/0026	297410260114P	98	T024/453	DC/DC FOR CONVERTER - 1 IN SB-1	3EHP590001R0100	CLW/ES/3/0054/A	01	2.00	2.00
				T024/434	DC / DC - CONVERTER - 1	3EHP590001R0100		01	1.00	NIL
				T024/210	DC / DC - CONVERTER - 1	3EHP590001R0100		01	1.00	NIL
				B024/434	DC / DC - CONVERTER - 1	3EHP590001R0100		01	NIL	1.00
				B024/210	DC / DC - CONVERTER - 1	3EHP590001R0100		01	NIL	1.00
21	N/1/0026	297410630114P	98	T024/360	DC/DC FOR CONVERTER - 2 IN SB-2	3EHP590001R0090	CLW/ES/3/0054/A	01	2.00	2.00
				T024/435	DC / DC - CONVERTER - 2	3EHP590001R0090		01	1.00	NIL
				T024/211	DC / DC - CONVERTER - 2	3EHP590001R0090		01	1.00	NIL
				B024/435	DC / DC - CONVERTER - 2	3EHP590001R0090		01	NIL	1.00
				B024/211	DC / DC - CONVERTER - 2	3EHP590001R0090		01	NIL	1.00
22	N/0/0029				<b>SET OF SINGLE CORE CABLES</b>					
					<b>a) EARTHING CABLES</b>					
(1)	N/2/0029	266000552214H		T034/304	CABLE 0.62CU/ETFE GNGE	HZN452890P0854	CLW/ES/3/0458/E	22	1.00	1.00
				T034/304	CABLE 0.62CU/ETFE GNGE	HZN452890P0854		22	1.00	NIL
				B034/304	CABLE 0.62CU/ETFE GNGE	HZN452890P0854		22	NIL	1.00
23					<b>b) OTHER SINGLE CORE CABLES</b>					
(1)	N/3/0029	296000662214H		T023/160	CAB 4 GKW-AX 1.5 1800 V BK	3EHW470015P0015	CLW/ES/3/0458/E	22	2809.00/3059.00	2761.00
				T023/160	CAB 4 GKW-AX 1.5 1800 V BK	3EHW470015P0015		22	2809.00/3059.00	NIL
				B023/160	CAB 4 GKW-AX 1.5 1800 V BK	3EHW470015P0015		22	NIL	2761.00
(2)	N/4/0029	296000782214H		T023/161	CAB 4 GKW-AX 2.5 1800 V BK	3EHW470015P0025	CLW/ES/3/0458/E	22	9500/10239.00	9500.00
				T023/161	CAB 4 GKW-AX 2.5 1800 V BK	3EHW470015P0025		22	9500/10239.00	NIL
				B023/161	CAB 4 GKW-AX 2.5 1800 V BK	3EHW470015P0025		22	NIL	9500.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(3)	N/5/0029	296000802214H		T023/162	CAB 4 GKW-AX 6 1800 V BK	3EHW470015P0060	CLW/ES/3/0458/E	22	471.00	471.00
				T023/162	CAB 4 GKW-AX 6 1800 V BK	3EHW470015P0060		22	471.00	NIL
				B023/162	CAB 4 GKW-AX 6 1800 V BK	3EHW470015P0060		22	NIL	471.00
(4)	N/6/0029	296000912214H		T023/163	CAB 4 GKW-AX 10 1800 V BK	3EHW470015P0100	CLW/ES/3/0458/E	22	417.00	417.00
				T023/163	CAB 4 GKW-AX 10 1800 V BK	3EHW470015P0100		22	417.00	NIL
				B023/163	CAB 4 GKW-AX 10 1800 V BK	3EHW470015P0100		22	NIL	417.00
(5)	N/7/0029	296001082214H		T034/188	CAB 4 GKW-AX 16 1800 V BK	3EHW470015P0160	CLW/ES/3/0458/E	22	203.00/205.50	203.00
				T034/188	CAB 4 GKW-AX 16 1800 V BK	3EHW470015P0160		22	203.00/205.50	NIL
				B034/188	CAB 4 GKW-AX 16 1800 V BK	3EHW470015P0160		22	NIL	203.00
(6)	N/8/0029	296001102214H		T023/164	CAB 4 GKW-AX 25 1800 V BK	3EHW470015P0250	CLW/ES/3/0458/E	22	143.00	143.00
				T023/164	CAB 4 GKW-AX 25 1800 V BK	3EHW470015P0250		22	143.00	NIL
				B023/164	CAB 4 GKW-AX 25 1800 V BK	3EHW470015P0250		22	NIL	143.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(7)	N/9/0029	296001212214H		T034/108	CAB 4 GKW-A X 35 1800 V BK	3EHW470015P0350	CLW/ES/3/0458/E	22	39.00/45.00	39.00
				T034/108	CAB 4 GKW-A X 35 1800 V BK	3EHW470015P0350		22	39.00/45.00	NIL
				B034/108	CAB 4 GKW-A X 35 1800 V BK	3EHW470015P0350		22	NIL	39.00
(8)	N/10/0029	296001332214H		T023/165	CAB 4 GKW-AX 50 1800 V BK	3EHW470015P0500	CLW/ES/3/0458/E	22	73.00	73.00
				T023/165	CAB 4 GKW-AX 50 1800 V BK	3EHW470015P0500		22	73.00	NIL
				B023/165	CAB 4 GKW-AX 50 1800 V BK	3EHW470015P0500		22	NIL	73.00
(9)	N/11/0029	296001452214H		T034/094	CAB 4 GKW-AX 70 1800 V BK	3EHW470015P0700	CLW/ES/3/0458/E	22	200.00	200.00
				T034/094	CAB 4 GKW-AX 70 1800 V BK	3EHW470015P0700		22	200.00	NIL
				B034/094	CAB 4 GKW-AX 70 1800 V BK	3EHW470015P0700		22	NIL	200.00
(10)	N/12/0029	296001572214H		T029/032	CAB 4 GKW-AX 95 1800 V BK	3EHW470015P0950	CLW/ES/3/0458/E	22	36.00/44.00	36.00
				T029/032	CAB 4 GKW-AX 95 1800 V BK	3EHW470015P0950		22	36.00/44.00	NIL
				B029/032	CAB 4 GKW-AX 95 1800 V BK	3EHW470015P0950		22	NIL	36.00
(11)	N/13/0029	296001692214H		T034/078	CAB 4 GKW-AX 120 1800 V BK	3EHW470015P1200	CLW/ES/3/0458/E	22	1.00	1.00
				T034/078	CAB 4 GKW-AX 120 1800 V BK	3EHW470015P1200		22	1.00	NIL
				B034/078	CAB 4 GKW-AX 120 1800 V BK	3EHW470015P1200		22	NIL	1.00
(12)	N/25/0029	296050032214H	60	T029/233	CAB 4 GKW - AX 150 1800 V BK	3EHW470015P1500	CLW/ES/3/0458/E	22	NIL/244.00	230.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				T029/233	CAB 4 GKW - AX 150 1800 V BK	3EHW470015P1500		22	NIL/244.00	NIL
				B029/233	CAB 4 GKW - AX 150 1800 V BK	3EHW470015P1500		22	NIL	230.00
(13)	N/14/0029	296001702214H		T021/084	CAB 9 GKW-AX 10 4000 V BK	3EHW470016P0100	CLW/ES/3/0458/E	22	6.00	6.00
				T021/084	CAB 9 GKW-AX 10 4000 V BK	3EHW470016P0100		22	6.00	NIL
				B021/084	CAB 9 GKW-AX 10 4000 V BK	3EHW470016P0100		22	NIL	6.00
(14)	N/15/0029	296001822214H		T021/085	CAB 9 GKW-AX 25 4000 V BK	3EHW470016P0250	CLW/ES/3/0458/E	22	4.00	4.00
				T021/085	CAB 9 GKW-AX 25 4000 V BK	3EHW470016P0250		22	4.00	NIL
				B021/085	CAB 9 GKW-AX 25 4000 V BK	3EHW470016P0250		22	NIL	4.00
(15)	N/16/0029	296001942214H		T029/060	CAB 9 GKW-AX 70 4000 V BK	3EHW470016P0700	CLW/ES/3/0458/E	22	40.00	40.00
				T029/060	CAB 9 GKW-AX 70 4000 V BK	3EHW470016P0700		22	40.00	NIL
				B029/060	CAB 9 GKW-AX 70 4000 V BK	3EHW470016P0700		22	NIL	40.00
(16)	N/17/0029	296002002214H		T034/082	CAB 9 GKW-AX 95 4000 V BK	3EHW470016P0950	CLW/ES/3/0458/E	22	1.00	1.00
				T034/082	CAB 9 GKW-AX 95 4000 V BK	3EHW470016P0950		22	1.00	NIL
				B034/082	CAB 9 GKW-AX 95 4000 V BK	3EHW470016P0950		22	NIL	1.00
(17)	N/18/0029	296002122214H		T016/193	CAB 9 GKW-AX 120 4000 V BK	3EHW470016P1200	CLW/ES/3/0458/E	22	294.00/524.00	280.00
				T016/193	CAB 9 GKW-AX 120 4000 V BK	3EHW470016P1200		22	294.00/524.00	NIL
				B016/193	CAB 9 GKW-AX 120 4000 V BK	3EHW470016P1200		22	NIL	280.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(18)	N/19/0029	296002242214H		T021/220	CAB 9 GKW - AX 150 4000V BK	3EHW470016P1500	CLW/ES/3/0458/E	22	44.00/314.00	58.00
				T021/220	CAB 9 GKW - AX 150 4000V BK	3EHW470016P1500		22	44.00/314.00	NIL
				B021/220	CAB 9 GKW - AX 150 4000V BK	3EHW470016P1500		22	NIL	58.00
(19)	N/20/0029	296002362214H		T031/459	CAB - 3GKW-0.5 FLEX YE-GN	HZN452926P0301	CLW/ES/3/0458/E	22	NIL	NIL
				T031/459	CAB - 3GKW-0.5 FLEX YE-GN	HZN452926P0301		22	NIL	NIL
				B031/459	CAB - 3GKW-0.5 FLEX YE-GN	HZN452926P0301		22	NIL	NIL
(20)	N/21/0029	296002482214H		T030/986	CAB - 3GKW- 0.5 FLEX YE-RED	HZN452926P0201	CLW/ES/3/0458/E	22	1520.00	2060.00
				T030/986	CAB - 3GKW- 0.5 FLEX YE-RED	HZN452926P0201		22	1520.00	NIL
				B030/986	CAB - 3GKW- 0.5 FLEX YE-RED	HZN452926P0201		22	NIL	2060.00
24	N/0/0030	296127800314P		T028/006	SET OF CONNECTORS FOR WAG-9		CLW/ES/3/0124/N	03	1.00/NIL	NIL
24a	N/0/0030a	296152270314P		T028/276	SET OF CONNECTORS FOR WAP-5		CLW/ES/3/0124/N	03	NIL	1.00
24b	N/0/0030b	296116350314P		T028/288	SET OF CONNECTORS FOR WAP-7		CLW/ES/3/0124/N	03	NIL/1.00	NIL
(1)	N/1/0030		61	T030/046	CONTACT SOCKET SIZE 8 / 2.5 MM2	3EHW470321P2025	CLW/ES/3/0124/N	01	50.00	50.00
				T030/046	CONTACT SOCKET SIZE 8 / 2.5 MM2	3EHW470321P2025		01	50.00	NIL
				B030/046	CONTACT SOCKET SIZE 8 / 2.5 MM2	3EHW470321P2025		01	NIL	50.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(2)	N/2/0030		61	T030/047	CONTACT SOCKET SIZE 8 / 6 MM2	3EHW470321P2060	CLW/ES/3/0124/N	01	30.00	30.00
				T030/047	CONTACT SOCKET SIZE 8 / 6 MM2	3EHW470321P2060		01	30.00	NIL
				B030/047	CONTACT SOCKET SIZE 8 / 6 MM2	3EHW470321P2060		01	NIL	30.00
(3)	N/3/0030		61	T030/048	CONTACT SOCKET SIZE 8 10 MM2	3EHW470321P2100	CLW/ES/3/0124/N	01	NIL	NIL
(4)	N/4/0030		61	T030/049	SET OF COMPLETE PLUG / PLUG P7/24 SOCKET 'N' INDOOR	HBTB315110R0011	CLW/ES/3/0124/N	01	4.00	4.00
				T030/049	SET OF COMPLETE PLUG / PLUG P7/24 SOCKET 'N' INDOOR	HBTB315110R0011		01	4.00	NIL
				B030/049	SET OF COMPLETE PLUG / PLUG P7/24 SOCKET 'N' INDOOR	HBTB315110R0011		01	NIL	4.00
(5)	N/5/0030		61	T030/050	CONTACT FEMALE GR16 / CONTACT SOCKET SIZE 16	HBTB415399P0002	CLW/ES/3/0124/N	01	34.00	34.00
				T030/050	CONTACT FEMALE GR16 / CONTACT SOCKET SIZE 16	HBTB415399P0002		01	34.00	NIL
				B030/050	CONTACT FEMALE GR16 / CONTACT SOCKET SIZE 16	HBTB415399P0002		01	NIL	34.00
(6)	N/6/0030		61	T030/051	PLUG DO 5P/ 14	HBTB415399P0022	CLW/ES/3/0124/N	01	18.00	18.00
				T030/051	PLUG DO5P/ 14	HBTB415399P0022		01	18.00	NIL
				B030/051	PLUG DO5P/ 14	HBTB415399P0022		01	NIL	18.00
(7)	N/8/0030		61	T030/053	CONT. PIN 0.24-0.62/24-20	*1.8076.005/01	CLW/ES/3/0124/N	01	68.00/80.00	80.00
				T030/053	CONT. PIN 0.24-0.62/24-20	*1.8076.005/01		01	68.00/80.00	NIL
				B030/053	CONT. PIN 0.24-0.62/24-20	*1.8076.005/01		01	NIL	80.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(8)	N/9/0030		61	T030/054	ADAPTOR STR. SIZE 18	HBT415278P0001	CLW/ES/3/0124/N	01	NIL	NIL
(9)	N/10/0030		61	T030/055	PROTECTIVE CAP / CABLE CLIP	HETT401293P0032	CLW/ES/3/0124/N	01	6.00/10.00	8.00
				T030/055	PROTECTIVE CAP / CABLE CLIP	HETT401293P0032		01	6.00/10.00	NIL
				B030/055	PROTECTIVE CAP / CABLE CLIP	HETT401293P0032		01	NIL	8.00
(10)	N/11/0030		61	T030/065	CONTACT PIN, SIZE 8/2,5 SQ.MM	3EHW470321P1025	CLW/ES/3/0124/N	01	30.00	30.00
				T030/065	CONTACT PIN, SIZE 8/2,5 SQ.MM	3EHW470321P1025		01	30.00	NIL
				B030/065	CONTACT PIN, SIZE 8/2,5 SQ.MM	3EHW470321P1025		01	NIL	30.00
(11)	N/12/0030		61	T030/066	CONTACT PIN, SIZE 8/6 SQ.MM	3EHW470321P1060	CLW/ES/3/0124/N	01	27.00	27.00
				T030/066	CONTACT PIN, SIZE 8/6 SQ.MM	3EHW470321P1060		01	27.00	NIL
				B030/066	CONTACT PIN, SIZE 8/6 SQ.MM	3EHW470321P1060		01	NIL	27.00
(12)	N/13/0030		61	T030/067	CONTACT PIN, SIZE 8/10 SQ.MM	3EHW470321P1100	CLW/ES/3/0124/N	01	NIL	NIL
(13)	N/14/0030		61	T017/424	CONTACT PIN 12/0.5	HBT415298P0001	CLW/ES/3/0124/N	01	120.00	120.00
				T017/424	CONTACT PIN 12/0.5	HBT415298P0001		01	120.00	NIL
				B017/424	CONTACT PIN 12/0.5	HBT415298P0001		01	NIL	120.00
(14)	N/15/0030		61	T033/112	CONTACT PIN 12/1.0	HBT415298P0003	CLW/ES/3/0124/N	01	140.00/180.00	140.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				T033/112	CONTACT PIN 12/1.0	HBT415298P0003		01	140.00/180.00	NIL
				B033/112	CONTACT PIN 12/1.0	HBT415298P0003		01	NIL	140.00
(15)	N/16/0030		61	T023/166	CONTACT PIN 12/1.5	HBT415298P0005	CLW/ES/3/0124/N	01	585.00/650.00	585.00
				T023/166	CONTACT PIN 12/1.5	HBT415298P0005		01	585.00/650.00	NIL
				B023/166	CONTACT PIN 12/1.5	HBT415298P0005		01	NIL	585.00
(16)	N/17/0030		61	T023/167	CONTACT PIN 12/2,5	HBT415298P0007	CLW/ES/3/0124/N	01	245.00	245.00
				T023/167	CONTACT PIN 12/2,5	HBT415298P0007		01	245.00	NIL
				B023/167	CONTACT PIN 12/2,5	HBT415298P0007		01	NIL	245.00
(17)	N/18/0030		61	T023/168	CONTACT PIN 12/4.0	HBT415298P0009	CLW/ES/3/0124/N	01	48.00	48.00
				T023/168	CONTACT PIN 12/4.0	HBT415298P0009		01	48.00	NIL
				B023/168	CONTACT PIN 12/4.0	HBT415298P0009		01	NIL	48.00
(18)	N/19/0030		61	T023/169	CONTACT PIN 12/6.0	HBT415298P0011	CLW/ES/3/0124/N	01	42.00	42.00
				T023/169	CONTACT PIN 12/6.0	HBT415298P0011		01	42.00	NIL
				B023/169	CONTACT PIN 12/6.0	HBT415298P0011		01	NIL	42.00
(19)	N/20/0030		61	T031/070	CONTACT PIN 16/1.0	HBT415299P0005	CLW/ES/3/0124/N	01	14.00	14.00
				T031/070	CONTACT PIN 16/1.0	HBT415299P0005		01	14.00	NIL
				B031/070	CONTACT PIN 16/1.0	HBT415299P0005		01	NIL	14.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(20)	N/21/0030		61	T031/069	CONTACT PIN 16/1.5	HBT415299P0007	CLW/ES/3/0124/N	01	475.00	475.00
				T031/069	CONTACT PIN 16/1.5	HBT415299P0007		01	475.00	NIL
				B031/069	CONTACT PIN 16/1.5	HBT415299P0007		01	NIL	475.00
(21)	N/22/0030		61	T033/115	CONTACT PIN 16/2.0/ AWG 14	HBT415299P0009	CLW/ES/3/0124/N	01	200.00	200.00
				T033/115	CONTACT PIN 16/2.0/ AWG 14	HBT415299P0009		01	200.00	NIL
				B033/115	CONTACT PIN 16/2.0/ AWG 14	HBT415299P0009		01	NIL	200.00
(22)	N/23/0030		61	T023/173	CONTACT PIN GRO/25 SQ.MM	HBTB416435P0002	CLW/ES/3/0124/N	01	16.00	16.00
				T023/173	CONTACT PIN GRO/25 SQ.MM	HBTB416435P0002		01	16.00	NIL
				B023/173	CONTACT PIN GRO/25 SQ.MM	HBTB416435P0002		01	NIL	16.00
(23)	N/24/0030		61	T023/174	CONTACT PIN GRO/50 SQ.MM	HBTB416435P0004	CLW/ES/3/0124/N	01	12.00	12.00
				T023/174	CONTACT PIN GRO/50 SQ.MM	HBTB416435P0004		01	12.00	NIL
				B023/174	CONTACT PIN GRO/50 SQ.MM	HBTB416435P0004		01	NIL	12.00
(24)	N/25/0030		61	T031/071	CONTACT PIN SUB -D	HESG455639P1200	CLW/ES/3/0124/N	01	NIL	NIL
(25)	N/26/0030		61	T017/321	CONTACT PIN MALE GR16 0,5-1,0 mm2	HBTB415399P0001	CLW/ES/3/0124/N	01	100.00	120.00
				T017/321	CONTACT PIN MALE GR16 0,5-1,0 mm2	HBTB415399P0001		01	100.00	NIL
				B017/321	CONTACT PIN MALE GR16 0,5-1,0 mm2	HBTB415399P0001		01	NIL	120.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(26)	N/27/0030		61	T017/378	SUB-D PLUG SET / CONNECTOR SPEEDOMETER CONNECTOR SUB-SET	3EHP590025R0519	CLW/ES/3/0124/N	01	NIL	NIL
(27)	N/28/0030		61	T031/063	ST. 9P D-SUB GR1 / CONNECTOR	HBTB316240R0009	CLW/ES/3/0124/N	01	55.00/57.00	55.00
				T031/063	ST. 9P D-SUB GR1 / CONNECTOR	HBTB316240R0009		01	55.00/57.00	NIL
				B031/063	ST. 9P D-SUB GR1 / CONNECTOR	HBTB316240R0009		01	NIL	55.00
(28)	N/29/0030		61	T021/063	SOCKET 9P D-SUB SIZE 1	HBTB316241R0009	CLW/ES/3/0124/N	01	8.00/10.00	10.00
				T021/063	SOCKET 9P D-SUB SIZE 1	HBTB316241R0009		01	8.00/10.00	NIL
				B021/063	SOCKET 9P D-SUB SIZE 1	HBTB316241R0009		01	NIL	10.00
(29)	N/30/0030		61	T031/142	PLUG, INSULATED 0.5X2.8	3EHN424077P0001	CLW/ES/3/0124/N	01	4.00	4.00
				T031/142	PLUG, INSULATED 0.5X2.8	3EHN424077P0001		01	4.00	NIL
				B031/142	PLUG, INSULATED 0.5X2.8	3EHN424077P0001		01	NIL	4.00
(30)	N/31/0030		61	T033/039	PLUG SIZE 32/31 POLES (With non metallicCable Clamp)	As per Old Gimota Part No. except surface plating )	CLW/ES/3/0124/N	01	2.00	2.00
				T033/039	PLUG SIZE 32/31 POLES	As per Old Gimota Part No. except surface plating )		01	2.00	NIL
				B033/039	PLUG SIZE 32/31 POLES	As per Old Gimota Part No. except surface plating )		01	NIL	2.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(31)	N/32/0030		61	T030/237	CONTACT SOCKET	3EHP430759P0002	CLW/ES/3/0124/N	01	465.00/495.00	465.00
				T030/237	CONTACT SOCKET	3EHP430759P0002		01	465.00/495.00	NIL
				B030/237	CONTACT SOCKET	3EHP430759P0002		01	NIL	465.00
(32)	N/33/0030		61	T033/098	PLUG, SIZE 22/19POLE	3EHP431609R0001	CLW/ES/3/0124/N	01	4.00	4.00
				T033/098	PLUG, SIZE 22/19POLE	3EHP431609R0001		01	4.00	NIL
				B033/098	PLUG, SIZE 22/19POLE	3EHP431609R0001		01	NIL	4.00
(33)	N/34/0030		61	T020/036	PLUG, SIZE 28/37POLE	3EHP431609R0002	CLW/ES/3/0124/N	01	1.00	1.00
				T020/036	PLUG, SIZE 28/37POLE	3EHP431609R0002		01	1.00	NIL
				B020/036	PLUG, SIZE 28/37POLE	3EHP431609R0002		01	NIL	1.00
(34)	N/35/0030		61	T031/612	SOCKET BODY A 1P PA	3EHW470001P0001	CLW/ES/3/0124/N	01	NIL	NIL
(35)	N/37/0030		61	T023/157	SOCKET 4P/24 PIN "N"	3EHW470072P0001	CLW/ES/3/0124/N	01	NIL	NIL
(36)	N/39/0030		61	T030/914	SET OF COMPLETE SOCKET / SOCKET 5P / S18 PIN 'N'	HBT315075R0011	CLW/ES/3/0124/N	01	NIL	NIL
(37)	N/40/0030		61	T033/103	SET OF COMPLETE SOCKET / SOCKET 5P / S18 PIN 'N' STR	HBT315075R0031	CLW/ES/3/0124/N	01	8.00	8.00
				T033/103	SET OF COMPLETE SOCKET / SOCKET 5P / S18 PIN 'N' STR	HBT315075R0031		01	8.00	NIL
				B033/103	SET OF COMPLETE SOCKET / SOCKET 5P / S18 PIN 'N' STR	HBT315075R0031		01	NIL	8.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(38)	N/41/0030		61	T030/115	SET OF COMPLETE PLUG / PLUG ASSEMBLY (KIT.)	HBT315076R0011	CLW/ES/3/0124/N	01	10.00	10.00
				T030/115	SET OF COMPLETE PLUG / PLUG ASSEMBLY (KIT.)	HBT315076R0011		01	10.00	NIL
				B030/115	SET OF COMPLETE PLUG / PLUG ASSEMBLY (KIT.)	HBT315076R0011		01	NIL	10.00
(39)	N/42/0030		61	T033/052	L-PLUG 31P/S32 BUSH"N"B	HBT315088R0031	CLW/ES/3/0124/N	01	NIL	NIL
(40)	N/43/0030		61	T033/076	CONTACT SOCKET 12/1.0	HBT415298P0004	CLW/ES/3/0124/N	01	126.00/178.00	126.00
				T033/076	CONTACT SOCKET 12/1.0	HBT415298P0004		01	126.00/178.00	NIL
				B033/076	CONTACT SOCKET 12/1.0	HBT415298P0004		01	NIL	126.00
(41)	N/44/0030		61	T030/888	CONTACT SOCKET 12/1.5	HBT415298P0006	CLW/ES/3/0124/N	01	75.00	75.00
				T030/888	CONTACT SOCKET 12/1.5	HBT415298P0006		01	75.00	NIL
				B030/888	CONTACT SOCKET 12/1.5	HBT415298P0006		01	NIL	75.00
(42)	N/45/0030		61	T033/072	CONTACT SOCKET 12/2.5	HBT415298P0008	CLW/ES/3/0124/N	01	915.00/995.00	915.00
				T033/072	CONTACT SOCKET 12/2.5	HBT415298P0008		01	915.00/995.00	NIL
				B033/072	CONTACT SOCKET 12/2.5	HBT415298P0008		01	NIL	915.00
(43)	N/46/0030		61	T030/674	CONTACT SOCKET 16/0.5	HBT415299P0002	CLW/ES/3/0124/N	01	90.00	90.00
				T030/674	CONTACT SOCKET 16/0.5	HBT415299P0002		01	90.00	NIL
				B030/674	CONTACT SOCKET 16/0.5	HBT415299P0002		01	NIL	90.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

Doc. No. - ELDD/QR/18-09  
Version- 0.14  
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SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(44)	N/47/0030		61	T033/074	CONTACT SOCKET 16/1.0	HBT415299P0006	CLW/ES/3/0124/N	01	92.00	92.00
				T033/074	CONTACT SOCKET 16/1.0	HBT415299P0006		01	92.00	NIL
				B033/074	CONTACT SOCKET 16/1.0	HBT415299P0006		01	NIL	92.00
(45)	N/48/0030		61	T033/073	CONTACT SOCKET 16/1.5	HBT415299P0008	CLW/ES/3/0124/N	01	260.00	260.00
				T033/073	CONTACT SOCKET 16/1.5	HBT415299P0008		01	260.00	NIL
				B033/073	CONTACT SOCKET 16/1.5	HBT415299P0008		01	NIL	260.00
(46)	N/50/0030		61	T033/097	SET OF COMPLETE PLUG / PLUG 13P/32 SKT 'N' INDOOR	HBTB315111R0011	CLW/ES/3/0124/N	01	12.00/15.00	12.00
				T033/097	SET OF COMPLETE PLUG / PLUG 13P/32 SKT 'N' INDOOR	HBTB315111R0011		01	12.00/15.00	NIL
				B033/097	SET OF COMPLETE PLUG / PLUG 13P/32 SKT 'N' INDOOR	HBTB315111R0011		01	NIL	12.00
(47)	N/51/0030		61	T032/058	ST.35P/40 BU"N"IR KABELH./ PLUG 25P/40 SKT 'N' INDOOR	HBTB315113R0011	CLW/ES/3/0124/N	01	26.00	26.00
				T032/058	ST.35P/40 BU"N"IR KABELH./ PLUG 25P/40 SKT 'N' INDOOR	HBTB315113R0011		01	26.00	NIL
				B032/058	ST.35P/40 BU"N"IR KABELH./ PLUG 25P/40 SKT 'N' INDOOR	HBTB315113R0011		01	NIL	26.00
(48)	N/52/0030		61	T031/061	ST.61P/40 BU"N"IR KABELH./ PLUG 61P/40 SKT 'N' INDOOR	HBTB315157R0011	CLW/ES/3/0124/N	01	10.00	10.00
				T031/061	ST.61P/40 BU"N"IR KABELH./ PLUG 61P/40 SKT 'N' INDOOR	HBTB315157R0011		01	10.00	NIL
				B031/061	ST.61P/40 BU"N"IR KABELH./ PLUG 61P/40 SKT 'N' INDOOR	HBTB315157R0011		01	NIL	10.00
(49)	N/53/0030		61	T023/158	SOCKET 7P/24 PIN "N" (With Cable Clamp and Reduction Ring)	HBTB315158R0011	CLW/ES/3/0124/N	01	4.00	4.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				T023/158	SOCKET 7P/24 PIN 'N'	HBTB315158R0011		01	4.00	NIL
				B023/158	SOCKET 7P/24 PIN 'N'	HBTB315158R0011		01	NIL	4.00
(50)	N/55/0030		61	T030/818	SET OF COMPLETE SOCKET / SOCKET 13P/32 PIN 'N' INDOOR	HBTB315159R0011	CLW/ES/3/0124/N	01	8.00/9.00	8.00
				T030/818	SET OF COMPLETE SOCKET / SOCKET 13P/32 PIN 'N' INDOOR	HBTB315159R0011		01	8.00/9.00	NIL
				B030/818	SET OF COMPLETE SOCKET / SOCKET 13P/32 PIN 'N' INDOOR	HBTB315159R0011		01	NIL	8.00
(51)	N/56/0030		61	T033/038	SET OF COMPLETE SOCKET / SOCKET 31P/31 PIN 'N' (With Cable Clamp)	HBTB315160R0011	CLW/ES/3/0124/N	01	2.00	2.00
				T033/038	SET OF COMPLETE SOCKET / SOCKET 31P/31 PIN 'N'	HBTB315160R0011		01	2.00	NIL
				B033/038	SET OF COMPLETE SOCKET / SOCKET 31P/31 PIN 'N'	HBTB315160R0011		01	NIL	2.00
(52)	N/58/0030		61	T021/064	SOCKET 35P/40 PIN 'N' IND.	HBTB315162R0011	CLW/ES/3/0124/N	01	20.00	20.00
				T021/064	SOCKET 35P/40 PIN 'N' IND.	HBTB315162R0011		01	20.00	NIL
				B021/064	SOCKET 35P/40 PIN 'N' IND.	HBTB315162R0011		01	NIL	20.00
(53)	N/60/0030		61	T033/102	SET OF COMPLETE SOCKET / SOCKET 61P/40 PIN 'N' INDOOR	HBTB315163R0011	CLW/ES/3/0124/N	01	10.00	10.00
				T033/102	SET OF COMPLETE SOCKET / SOCKET 61P/40 PIN 'N' INDOOR	HBTB315163R0011		01	10.00	NIL
				B033/102	SET OF COMPLETE SOCKET / SOCKET 61P/40 PIN 'N' INDOOR	HBTB315163R0011		01	NIL	10.00
(54)	N/61/0030		61	T029/434	SET OF COMPLETE PLUG / PLUG 4P/40 SOCKET 'N' INDOOR	HBTB315176R0112	CLW/ES/3/0124/N	01	4.00	4.00
				T029/434	SET OF COMPLETE PLUG / PLUG 4P/40 SOCKET 'N' INDOOR	HBTB315176R0112		01	4.00	NIL
				B029/434	SET OF COMPLETE PLUG / PLUG 4P/40 SOCKET 'N' INDOOR	HBTB315176R0112		01	NIL	4.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(55)	N/62/0030		61	T030/755	SET OF COMPLETE PLUG / PLUG 4P/40 SOCKET 'N' INDOOR	HBTB315176R0113	CLW/ES/3/0124/N	01	1.00	1.00
				T030/755	SET OF COMPLETE PLUG / PLUG 4P/40 SOCKET 'N' INDOOR	HBTB315176R0113		01	1.00	NIL
				B030/755	SET OF COMPLETE PLUG / PLUG 4P/40 SOCKET 'N' INDOOR	HBTB315176R0113		01	NIL	1.00
(56)	N/63/0030		61	T029/216	SET OF COMPLETE PLUG / PLUG 4P/40 SOCKET 'N' INDOOR	HBTB315176R0114	CLW/ES/3/0124/N	01	6.00	6.00
				T029/216	SET OF COMPLETE PLUG / PLUG 4P/40 SOCKET 'N' INDOOR	HBTB315176R0114		01	6.00	NIL
				B029/216	SET OF COMPLETE PLUG / PLUG 4P/40 SOCKET 'N' INDOOR	HBTB315176R0114		01	NIL	6.00
(57)	N/64/0030		61	T030/782	SET OF COMPLETE PLUG / L-PLUG 4P/40 SOCKET 'N' INDOOR	HBTB315176R0211	CLW/ES/3/0124/N	01	1.00	1.00
				T030/782	SET OF COMPLETE PLUG / L-PLUG 4P/40 SOCKET 'N' INDOOR	HBTB315176R0211		01	1.00	NIL
				B030/782	SET OF COMPLETE PLUG / L-PLUG 4P/40 SOCKET 'N' INDOOR	HBTB315176R0211		01	NIL	1.00
(58)	N/65/0030		61	T030/756	SET OF COMPLETE PLUG /L- PLUG 4P/40 SOCKET 'N' INDOOR	HBTB315176R0213	CLW/ES/3/0124/N	01	1.00	1.00
				T030/756	SET OF COMPLETE PLUG /L- PLUG 4P/40 SOCKET 'N' INDOOR	HBTB315176R0213		01	1.00	NIL
				B030/756	SET OF COMPLETE PLUG /L- PLUG 4P/40 SOCKET 'N' INDOOR	HBTB315176R0213		01	NIL	1.00
(59)	N/66/0030		61	T023/156	SOCKET 4P/40 PIN "N"	HBTB315177R0001	CLW/ES/3/0124/N	01	7.00	7.00
				T023/156	SOCKET 4P/40 PIN "N"	HBTB315177R0001		01	7.00	NIL
				B023/156	SOCKET 4P/40 PIN "N"	HBTB315177R0001		01	NIL	7.00
(60)	N/67/0030		61	T031/168	SET OF COMPLETE PLUG / L-PLUG 13P PIN 'N' OUTDOOR	HBTB315205R0111	CLW/ES/3/0124/N	01	NIL	NIL
(61)	N/68/0030		61	T018/062	SOCKET 13P PIN "N" OUTDOOR	HBTB315305R0111	CLW/ES/3/0124/N	01	2.00	2.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

Doc. No. - ELDD/QR/18-09  
Version- 0.14  
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SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(62)	N/69/0030		61	T017/377	SET OF COMPLETE SOCKET / SOCKET 13P PIN'N' OUTDOOR	HBTB315305R0311	CLW/ES/3/0124/N	01	2.00	2.00
				T017/377	SET OF COMPLETE SOCKET / SOCKET 13P PIN'N' OUTDOOR	HBTB315305R0311		01	2.00	NIL
				B017/377	SET OF COMPLETE SOCKET / SOCKET 13P PIN'N' OUTDOOR	HBTB315305R0311		01	NIL	2.00
(63)	N/70/0030		61	T032/054	PLUG , 9P D-SUB , S1 . PINS	HBTB316240R0091	CLW/ES/3/0124/N	01	2.00	2.00
				T032/054	PLUG , 9P D-SUB , S1 . PINS	HBTB316240R0091		01	2.00	NIL
				B032/054	PLUG , 9P D-SUB , S1 . PINS	HBTB316240R0091		01	NIL	2.00
(64)	N/71/0030		61	T017/420	ADAPTOR NW17/SIZE18	HBT415393P0437	CLW/ES/3/0124/N	01	2.00	2.00
				T017/420	ADAPTOR NW17/SIZE18	HBT415393P0437		01	2.00	NIL
				B017/420	ADAPTOR NW17/SIZE18	HBT415393P0437		01	NIL	2.00
(65)	N/72/0030		61	T017/322	DUMMY CONTACT MALE GR16 BL/ DUMMY PLUG SIZE 16 BL	HBTB415399P0005	CLW/ES/3/0124/N	01	43.00	43.00
				T017/322	DUMMY CONTACT MALE GR16 BL/ DUMMY PLUG SIZE 16 BL	HBTB415399P0005		01	43.00	NIL
				B017/322	DUMMY CONTACT MALE GR16 BL/ DUMMY PLUG SIZE 16 BL	HBTB415399P0005		01	NIL	43.00
(66)	N/73/0030		61	T029/862	SOCKET / PLUG , 5 CRIMP SOCKET S16	HBTB415399P0012	CLW/ES/3/0124/N	01	3.00	3.00
				T029/862	SOCKET / PLUG , 5 CRIMP SOCKET S16	HBTB415399P0012		01	3.00	NIL
				B029/862	SOCKET / PLUG , 5 CRIMP SOCKET S16	HBTB415399P0012		01	NIL	3.00
(67)	N/74/0030		61	T030/275	CONTACT SOCKET AWG24-20	HESG455638P0120	CLW/ES/3/0124/N	01	665.00	945.00
				T030/275	CONTACT SOCKET AWG24-20	HESG455638P0120		01	665.00	NIL

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				B030/275	CONTACT SOCKET AWG24-20	HESG455638P0120		01	NIL	945.00
(68)	N/76/0030		61	T030/428	PLUG 9 POLES	HETT401293P0001	CLW/ES/3/0124/N	01	6.00/8.00	8.00
				T030/428	PLUG 9 POLES	HETT401293P0001		01	6.00/8.00	NIL
				B030/428	PLUG 9 POLES	HETT401293P0001		01	NIL	8.00
(69)	N/77/0030		61	T021/110	CONNECTOR SKT 0.23, 0.5	SE408197P0013	CLW/ES/3/0124/N	01	50.00/82.00	62.00
				T021/110	CONNECTOR SKT 0.23, 0.5	SE408197P0013		01	50.00/82.00	NIL
				B021/110	CONNECTOR SKT 0.23, 0.5	SE408197P0013		01	NIL	62.00
(70)	N/78/0030		61	T017/763	ANDERSON CONTACTS 120A	*1319	CLW/ES/3/0124/N	01	8.00	8.00
				T017/763	ANDERSON CONTACTS 120A	*1319		01	8.00	NIL
				B017/763	ANDERSON CONTACTS 120A	*1319		01	NIL	8.00
(71)	N/79/0030		61	T017/762	ANDERSON PLUG PP 120A	*1321BLAU	CLW/ES/3/0124/N	01	4.00	4.00
				T017/762	ANDERSON PLUG PP 120A	*1321BLAU		01	4.00	NIL
				B017/762	ANDERSON PLUG PP 120A	*1321BLAU		01	NIL	4.00
(72)	N/80/0030		61	T018/212	ANDERSON PLUG PP 120A	*1321G3ROT	CLW/ES/3/0124/N	01	4.00	4.00
				T018/212	ANDERSON PLUG PP 120A	*1321G3ROT		01	4.00	NIL
				B018/212	ANDERSON PLUG PP 120A	*1321G3ROT		01	NIL	4.00

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WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(73)	N/81/0030		61	T031/441	CABLE CONNECTION / HP-9P-SG-SG-17S-21-13.0 M	HBTB315385R0172	CLW/ES/3/0124/N	01	2.00	2.00
				T031/441	CABLE CONNECTION / HP-9P-SG-SG-17S-21-13.0 M	HBTB315385R0172		01	2.00	NIL
				B031/441	CABLE CONNECTION / HP-9P-SG-SG-17S-21-13.0 M	HBTB315385R0172		01	NIL	2.00
(74)	N/82/0030		61	T033/075	CONTACT SOCKET 16/2/AWG14	HBT415299P0010	CLW/ES/3/0124/N	01	130.00	130.00
				T033/075	CONTACT SOCKET 16/2/AWG14	HBT415299P0010		01	130.00	NIL
				B033/075	CONTACT SOCKET 16/2/AWG14	HBT415299P0010		01	NIL	130.00
(75)	N/83/0030		61	T030/588	SET OF COMPLETE PLUG / PLUG 22P / 36 SKT ' N' INDOOR	HBTB315112R0011	CLW/ES/3/0124/N	01	3.00/6.00	3.00
				T030/588	SET OF COMPLETE PLUG / PLUG 22P / 36 SKT ' N' INDOOR	HBTB315112R0011		01	3.00/6.00	NIL
				B030/588	SET OF COMPLETE PLUG / PLUG 22P / 36 SKT ' N' INDOOR	HBTB315112R0011		01	NIL	3.00
(76)	N/84/0030		61	T029/263	PLUG 4 P BU "N" IR CA / CONNECTOR	3EHW470084R0001	CLW/ES/3/0124/N	01	12.00	14.00
				T029/263	PLUG 4 P BU "N" IR CA / CONNECTOR	3EHW470084R0001		01	12.00	NIL
				B029/263	PLUG 4 P BU "N" IR CA / CONNECTOR	3EHW470084R0001		01	NIL	14.00
(77)	N/85/0030		61	T019/041	CONNECTOR / SUB D PLUG 25 P D- SUB	HBTB316240R0025	CLW/ES/3/0124/N	01	7.00	21.00
				T019/041	CONNECTOR / SUB D PLUG 25 P D- SUB	HBTB316240R0025		01	7.00	NIL
				B019/041	CONNECTOR / SUB D PLUG 25 P D- SUB	HBTB316240R0025		01	NIL	21.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(78)	N/86/0030		61	T019/042	CONNECTOR SPEEDOMETER	3EHP590025R0530	CLW/ES/3/0124/N	01	NIL	NIL
(79)	N/87/0030		61	T019/043	PLUG, SIZE 22/19 POLE	3EHP431611R0001	CLW/ES/3/0124/N	01	NIL	NIL
(80)	N/88/0030		61	T019/044	PLUG, SIZE 28/37 POLE	3EHP431611R0002	CLW/ES/3/0124/N	01	NIL	NIL
(81)	N/89/0030		61	T019/045	SOCKET 4P/24 PIN"N"	3EHW470071P0001	CLW/ES/3/0124/N	01	12.00	12.00
				T019/045	SOCKET 4P/24 PIN"N"	3EHW470071P0001		01	12.00	NIL
				B019/045	SOCKET 4P/24 PIN"N"	3EHW470071P0001		01	NIL	12.00
(82)	N/97/0030		61	T019/053	CONTACT SOCKET SUB-D	HESG455638P1200	CLW/ES/3/0124/N	01	4.00	4.00
				T019/053	CONTACT SOCKET SUB-D	HESG455638P1200		01	4.00	NIL
				B019/053	CONTACT SOCKET SUB-D	HESG455638P1200		01	NIL	4.00
(83)	N/107/0030		61	T019/063	CONTACT SOCKET S-0/35 MM2	HBTB416434P0003	CLW/ES/3/0124/N	01	NIL	NIL
(84)	N/108/0030		61	T019/064	CONTACT SOCKET S-0/30 MM2	HBTB416434P0004	CLW/ES/3/0124/N	01	NIL	NIL
(85)	N/111/0030		61	T030/946	CONTACT SOCKET 16/0.5	HBTB415298P0012	CLW/ES/3/0124/N	01	NIL	NIL
(86)	N/113/0030		61	T019/235	CONTACT SOCKET 12/6.0	HBT415298P0012	CLW/ES/3/0124/N	01	14.00	14.00
				T019/235	CONTACT SOCKET 12/6.0	HBT415298P0012		01	14.00	NIL
				B019/235	CONTACT SOCKET 12/6.0	HBT415298P0012		01	NIL	14.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(87)	N/116/0030		61	T024/151	CONTACT SOCKET 1.5 MM2 * 2 RILLEN	HBT415176P0003	CLW/ES/3/0124/N	01	NIL	NIL
(88)	N/117/0030		61	T024/150	CONTACT SOCKET 0.5 MM2 * 3 RILLEN	HBT415176P0004	CLW/ES/3/0124/N	01	NIL	NIL
(89)	N/118/0030		61	T024/146	CONTACT PIN GR 16* 0.5 MM2 FOR SB - 1/2	HBT415299P0001	CLW/ES/3/0124/N	01	105.00	105.00
				T024/146	CONTACT PIN GR 16* 0.5 MM2 FOR SB - 1/2	HBT415299P0001		01	105.00	NIL
				B024/146	CONTACT PIN GR 16* 0.5 MM2 FOR SB - 1/2	HBT415299P0001		01	NIL	105.00
(90)	N/119/0030		61	T024/253	SOCKET 22P / 36 PIN 'N'	HBTB315161R0011	CLW/ES/3/0124/N	01	3.00/4.00	3.00
				T024/253	SOCKET 22P / 36 PIN 'N'	HBTB315161R0011		01	3.00/4.00	NIL
				B024/253	SOCKET 22P / 36 PIN 'N'	HBTB315161R0011		01	NIL	3.00
(91)	N/120/0030		61	T024/469	SOCKET 4P / 40 PIN 'N' IND	HBTB315177R0111	CLW/ES/3/0124/N	01	1.00	1.00
				T024/469	SOCKET 4P / 40 PIN 'N' IND	HBTB315177R0111		01	1.00	NIL
				B024/469	SOCKET 4P / 40 PIN 'N' IND	HBTB315177R0111		01	NIL	1.00
(92)	N/121/0030		61	T024/470	SOCKET 4P / 40 PIN 'N' IND	HBTB315177R0113	CLW/ES/3/0124/N	01	1.00	1.00
				T024/470	SOCKET 4P / 40 PIN 'N' IND	HBTB315177R0113		01	1.00	NIL
				B024/470	SOCKET 4P / 40 PIN 'N' IND	HBTB315177R0113		01	NIL	1.00
(93)	N/122/0030		61	T024/246	CONNECTOR / PLUG, 15P D-SUB, SIZE-2	HBTB316240R0015	CLW/ES/3/0124/N	01	26.00	40.00
				T024/246	CONNECTOR / PLUG, 15P D-SUB, SIZE-2	HBTB316240R0015		01	26.00	NIL

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				B024/246	CONNECTOR / PLUG, 15P D-SUB, SIZE-2	HBTB316240R0015		01	NIL	40.00
(94)	N/123/0030		61	T024/247	CONNECTOR / PLUG, 17P D-SUB, SIZE-3	HBTB316240R0017	CLW/ES/3/0124/N	01	4.00	4.00
				T024/247	CONNECTOR / PLUG, 17P D-SUB, SIZE-3	HBTB316240R0017		01	4.00	NIL
				B024/247	CONNECTOR / PLUG, 17P D-SUB, SIZE-3	HBTB316240R0017		01	NIL	4.00
(95)	N/124/0030		61	T024/352	CONTACT PIN GR0/ 16 MM2	HBTB416435P0001	CLW/ES/3/0124/N	01	4.00	4.00
				T024/352	CONTACT PIN GR0/ 16 MM2	HBTB416435P0001		01	4.00	NIL
				B024/352	CONTACT PIN GR0/ 16 MM2	HBTB416435P0001		01	NIL	4.00
(96)	N/125/0030		61	T024/353	CONTACT PIN GR0/ 35 MM2	HBTB416435P0003	CLW/ES/3/0124/N	01	4.00	4.00
				T024/353	CONTACT PIN GR0/ 35 MM2	HBTB416435P0003		01	4.00	NIL
				B024/353	CONTACT PIN GR0/ 35 MM2	HBTB416435P0003		01	NIL	4.00
(97)	N/126/0030		61	T024/159	CONTACT SOCKET 2-3 MM2	HESG455509P0021	CLW/ES/3/0124/N	01	10.00	10.00
				T024/159	CONTACT SOCKET 2-3 MM2	HESG455509P0021		01	10.00	NIL
				B024/159	CONTACT SOCKET 2-3 MM2	HESG455509P0021		01	NIL	10.00
(98)	N/130/0030			T029/994	PROTECTION BOOT	HBTB416397P0012	CLW/ES/3/0124/N	01	9.00	9.00
				T029/994	PROTECTION BOOT	HBTB416397P0012		01	9.00	NIL
				B029/994	PROTECTION BOOT	HBTB416397P0012		01	NIL	9.00

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WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

Doc. No. - ELDD/QR/18-09  
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SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
25	N/0/0031	296000420314H	60	T029/002	SET OF FIBRE OPTICS CABLE CONSISTING OF	3EHP431518R0800	CLW/ES/3/0141	03	1.00	1.00
					i ) FO - ST2PD - ST - GN - KP. L=7M	HESN454392R0154	CLW/ES/3/0141	01	1.00	1.00
				T030/804	FO - ST2PD - ST - GN - KP. L=7M	HESN454392R0154		01	1.00	NIL
				B030/804	FO - ST2PD - ST - GN - KP. L=7M	HESN454392R0154		01	NIL	1.00
					ii) FO - ST2PD - ST - GN - KP. L=8M	HESN454392R0156	CLW/ES/3/0141	01	1.00	1.00
				T030/810	FO - ST2PD - ST - GN - KP. L=8M	HESN454392R0156		01	1.00	NIL
				B030/810	FO - ST2PD - ST - GN - KP. L= 8M	HESN454392R0156		01	NIL	1.00
					iii) FO - ST2PD - ST - GN - KP. L=11M	HESN454392R0170	CLW/ES/3/0141	01	2.00	2.00
				T030/805	FO - ST2PD - ST - GN - KP. L=11M	HESN454392R0170		01	1.00	NIL
				T030/809	FO - ST2PD - ST - GN - KP. L=11M	HESN454392R0170		01	1.00	NIL
				B030/805	FO - ST2PD - ST - GN - KP. L=11M	HESN454392R0170		01	NIL	1.00
				B030/809	FO - ST2PD - ST - GN - KP. L=11M	HESN454392R0170		01	NIL	1.00
					iv ) FO - ST2PD - ST - GN - KP. L=22M	HESN454392R0181	CLW/ES/3/0141	01	1.00	1.00
				T030/808	FO - ST2PD - ST - GN - KP. L=22M	HESN454392R0181		01	1.00	NIL
				B030/808	FO - ST2PD - ST - GN - KP. L=22M	HESN454392R0181		01	NIL	1.00
					v ) FO - ST2PD - ST - GN - KP. L=26M	HESN454392R0185	CLW/ES/3/0141	01	3.00	3.00
				T030/806	FO - ST2PD - ST - GN - KP. L=26M	HESN454392R0185		01	1.00	NIL
				T030/807	FO - ST2PD - ST - GN - KP. L=26M	HESN454392R0185		01	1.00	NIL
				T030/811	FO - ST2PD - ST - GN - KP. L=26M	HESN454392R0185		01	1.00	NIL
				B030/806	FO - ST2PD - ST - GN - KP. L=26M	HESN454392R0185		01	NIL	1.00
				B030/807	FO - ST2PD - ST - GN - KP. L=26M	HESN454392R0185		01	NIL	1.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				B030/811	FO - ST2PD - ST - GN - KP. L=26M	HESN454392R0185		01	NIL	1.00
26	N/0/0032				<b>SET OF MULTIPLE CORE CABLES</b>					
(1)	N/1/0032	296002852214H		T031/065	<b>CAB 2 x 0.5 SCR</b>	<b>3EHP470000P0502</b>	<b>CLW/ES/3/0459/A</b>	<b>22</b>	<b>262.60</b>	<b>262.60</b>
				T031/065	CAB 2 x 0.5 SCR	3EHP470000P0502		22	262.60	NIL
				B031/065	CAB 2 x 0.5 SCR	3EHP470000P0502		22	NIL	262.60
(2)	N/2/0032	296002972214H		T029/867	<b>CAB 3 x 0.5 SCR</b>	<b>3EHP470000P0503</b>	<b>CLW/ES/3/0459/A</b>	<b>22</b>	<b>20.00</b>	<b>20.00</b>
				T029/867	CAB 3 x 0.5 SCR	3EHP470000P0503		22	20.00	NIL
				B029/867	CAB 3 x 0.5 SCR	3EHP470000P0503		22	NIL	20.00
(3)	N/3/0032	296003032214H		T030/404	<b>CAB 2 x 2 x 0.5 SCR</b>	<b>3EHP470000P0504</b>	<b>CLW/ES/3/0459/A</b>	<b>22</b>	<b>81.00</b>	<b>81.00</b>
				T030/404	CAB 2 x 2 x 0.5 SCR	3EHP470000P0504		22	81.00	NIL
				B030/404	CAB 2 x 2 x 0.5 SCR	3EHP470000P0504		22	NIL	81.00
(4)	N/4/0032	296003152214H		T021/086	<b>CAB 5 x 0.5 SCR</b>	<b>3EHP470000P0505</b>	<b>CLW/ES/3/0459/A</b>	<b>22</b>	<b>44.00/50.00</b>	<b>50.00</b>
				T021/086	CAB 5 x 0.5 SCR	3EHP470000P0505		22	44.00/50.00	NIL
				B021/086	CAB 5 x 0.5 SCR	3EHP470000P0505		22	NIL	50.00
(5)	N/5/0032	296003272214H		T030/277	<b>CAB 9 x 0.5 SCR</b>	<b>3EHP470000P0509</b>	<b>CLW/ES/3/0459/A</b>	<b>22</b>	<b>157.00</b>	<b>157.00</b>
				T030/277	CAB 9 x 0.5 SCR	3EHP470000P0509		22	157.00	NIL
				B030/277	CAB 9 x 0.5 SCR	3EHP470000P0509		22	NIL	157.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(6)	N/6/0032	296003392214H		T031/066	CAB 2 x 1.0 SCR	3EHP470001P1002	CLW/ES/3/0459/A	22	160.50	160.50
				T031/066	CAB 2 x 1.0 SCR	3EHP470001P1002		22	160.50	NIL
				B031/066	CAB 2 x 1.0 SCR	3EHP470001P1002		22	NIL	160.50
(7)	N/7/0032	296003402214H		T030/519	CAB 2 x 2 x 1.0 SCR	3EHP470001P1004	CLW/ES/3/0459/A	22	73.00	73.00
				T030/519	CAB 2 x 2 x 1.0 SCR	3EHP470001P1004		22	73.00	NIL
				B030/519	CAB 2 x 2 x 1.0 SCR	3EHP470001P1004		22	NIL	73.00
(8)	N/8/0032	296003522214H		T031/360	CAB 3 x 4 x 1.0 SCR	3EHP470001P1012	CLW/ES/3/0459/A	22	50.00/71.00	50.00
				T031/360	CAB 3 x 4 x 1.0 SCR	3EHP470001P1012		22	50.00/71.00	NIL
				B031/360	CAB 3 x 4 x 1.0 SCR	3EHP470001P1012		22	NIL	50.00
(9)	N/9/0032	296003642214H		T033/104	CAB 9 x 0.5 TWIST	3EHP470002P0509	CLW/ES/3/0459/A	22	20.60	20.60
				T033/104	CAB 9 x 0.5 TWIST	3EHP470002P0509		22	20.60	NIL
				B033/104	CAB 9 x 0.5 TWIST	3EHP470002P0509		22	NIL	20.60
(10)	N/10/0032	296003762214H		T030/678	CAB 25 x 0.5 TWIST	3EHP470002P0525	CLW/ES/3/0459/A	22	9.60	9.60
				T030/678	CAB 25 x 0.5 TWIST	3EHP470002P0525		22	9.60	NIL
				B030/678	CAB 25 x 0.5 TWIST	3EHP470002P0525		22	NIL	9.60

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(11)	N/11/0032	296003882214H		T030/989	CAB 2 x 1.0 TWIST	3EHP470003P1002	CLW/ES/3/0459/A	22	NIL	NIL
				T030/989	CAB 2 x 1.0 TWIST	3EHP470003P1002		22	NIL	NIL
				B030/989	CAB 2 x 1.0 TWIST	3EHP470003P1002		22	NIL	NIL
27	N/0/0034	297900130114Y	79	T024/362	BLOCKING DIODES IN SB1/2 (DIBLO - 5)	HBTB585480R0001	CLW/ES/3/0055/C	03	12.00	12.00
				T024/436	BLOCKING DIODES	HBTB585480R0001		03	4+2	NIL
				T024/212	BLOCKING DIODES	HBTB585480R0001		03	4+2	NIL
				B024/436	BLOCKING DIODES	HBTB585480R0001		03	NIL	4+2
				B024/212	BLOCKING DIODES	HBTB585480R0001		03	NIL	4+2
28	N/0/0035	297900250114Y	79	T024/363	BLOCKING DIODES FOR ILLUMINATION TEST IN SB1/2 (DIBLO- 8)	HBTB585480R0003	CLW/ES/3/0055/C	03	2.00	2.00
				T024/437	BLOCKING DIODES ILLUMINATION TEST	HBTB585480R0003		03	1.00	NIL
				T024/213	BLOCKING DIODES ILLUMINATION TEST	HBTB585480R0003		03	1.00	NIL
				B024/437	BLOCKING DIODES ILLUMINATION TEST	HBTB585480R0003		03	NIL	1.00
				B024/213	BLOCKING DIODES ILLUMINATION TEST	HBTB585480R0003		03	NIL	1.00
29	N/0/0036	297801000314Y		T023/001	FUSE AUXILIARY 415V/110V ALONG WITH BASE WITH MICRO SWITCH.	HBTB585605R1009	CLW/ES/3/0092/C	03	1.00	1.00
				T023/001	FUSE AUXILIARY 415V/110V	HBTB585605R1009		03	1.00	NIL
				B023/001	FUSE AUXILIARY 415V/110V	HBTB585605R1009		03	NIL	1.00
30	N/0/0037	296100470114H	64	T024/361	FIRE DETECTION EQUIPMENTS ALONG WITH CONNECTOR IN SB2	3EHP590451R0002	CLW/ES/3/0057	01	1.00	1.00
				T024/457	FIRE DETECTION EQUIPMENT (SMOKE DETECTORS)	3EHP590451R0002		01	1.00	NIL
				B024/457	FIRE DETECTION EQUIPMENT (SMOKE DETECTORS)	3EHP590451R0002		01	NIL	1.00
31	N/0/0042	297002790114P	70	T024/023	ILLUMINATED PUSH BUTTON CONFIGURATION IN SB1	3EHP585726P0024	CLW/ES/3/0072/D	01	1.00	1.00
				T024/234	ILLUMINATED PUSH BUTTON CONFIGURATION	3EHP585726P0024		01	1.00	NIL
				B024/234	ILLUMINATED PUSH BUTTON CONFIGURATION	3EHP585726P0024		01	NIL	1.00
32	N/1/0045	296100230114Y	61	T025/006	HEAD LIGHT LAMP	15601709	CLW/ES/3/0655	01	4.00	4.00
				T025/006	HEAD LIGHT LAMP	15601709		01	4.00	NIL
			61	B025/006	HEAD LIGHT LAMP	15601709		01	NIL	4.00
33	N/2/0045	296109650114H	61	T025/007	HEAD LIGHT DUAL HOUSING WITHOUT LAMP	156017010	CLW/ES/3/SK-1/0114/A	01	2.00	2.00
				T025/007	HEAD LIGHT DUAL HOUSING	156017010		01	2.00	NIL
			61	B025/007	HEAD LIGHT DUAL HOUSING	156017010		01	NIL	2.00
34	N/0/0049	296129010114P		T019/007	ILLUMINATED PUSH BUTTON - 1	3EHP585818P1014	CLW/ES/3/0072/D	01	6.00	6.00
				T032/042	FAULT STATUS LAMP	3EHP585818P1014		01	2.00	NIL
				T031/008	INDICATION LAMP FOR VCB	3EHP585818P1014		01	2.00	NIL
				T031/003	INDICATION LAMP TRAIN PARTING.	3EHP585818P1014		01	2.00	NIL

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

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SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				B032/042	FAULT STATUS LAMP	3EHP585818P1014		01	NIL	2.00
				B031/008	INDICATION LAMP FOR VCB	3EHP585818P1014		01	NIL	2.00
				B031/003	INDICATION LAMP TRAIN PARTING.	3EHP585818P1014		01	NIL	2.00
35	N/0/0050	296102300114P		T019/008	ILLUMINATED PUSH BUTTON - 2	3EHP585818P1015	CLW/ES/3/0072/D	01	8.00	8.00
				T031/017	INDICATION LAMP VIGILANCE WARNING	3EHP585818P1015		01	2.00	NIL
				T031/014	INDICATION LAMP HOTEL LOAD SUPPLY	3EHP585818P1015		01	2.00	NIL
				T031/012	INDICATION LAMP TEMP. OF CONTROL ELECTRONICS.	3EHP585818P1015		01	2.00	NIL
				T031/004	INDICATION LAMP WHEEL SLIPPING.	3EHP585818P1015		01	2.00	NIL
				B031/017	INDICATION LAMP VIGILANCE WARNING	3EHP585818P1015		01	NIL	2.00
				B031/014	INDICATION LAMP HOTEL LOAD SUPPLY	3EHP585818P1015		01	NIL	2.00
				B031/012	INDICATION LAMP TEMP. OF CONTROL ELECTRONICS.	3EHP585818P1015		01	NIL	2.00
				B031/004	INDICATION LAMP WHEEL SLIPPING.	3EHP585818P1015		01	NIL	2.00
36	N/0/0051	297010040114P		T031/010	ILLUMINATED PUSH BUTTON CONSTANT SPEED CONTROL	3EHP585818P2131	CLW/ES/3/0072/D	01	2.00	2.00
				T031/010	ILLUMINATED PUSH BUTTON CONSTANT SPEED	3EHP585818P2131		01	2.00	NIL
				B031/010	ILLUMINATED PUSH BUTTON CONSTANT SPEED	3EHP585818P2131		01	NIL	2.00
37	N/0/0052	297010160114P		T031/019	ILLUMINATED PUSH BUTTON PARKING BRAKE	3EHP585818P2141	CLW/ES/3/0072/D	01	2.00	2.00
				T031/019	ILLUMINATED PUSH BUTTON PARKING BRAKE.	3EHP585818P2141		01	2.00	NIL
				B031/019	ILLUMINATED PUSH BUTTON PARKING BRAKE.	3EHP585818P2141		01	NIL	2.00
38	N/0/0053	297010280114P		T032/002	ILLUMINATED PUSH BUTTON FOR FAILURE ACKNOWLEDGE	3EHP585818P2151	CLW/ES/3/0072/D	01	2.00	2.00
				T032/043	ILLUMINATED PUSH BUTTON FAULT INDIC./ACKNOWLEDGE	3EHP585818P2151		01	2.00	NIL
				B032/043	ILLUMINATED PUSH BUTTON FAULT INDIC./ACKNOWLEDGE	3EHP585818P2151		01	NIL	2.00
39	N/0/0054	297002310114P	70	T032/006	ILLUMINATED PUSH BUTTON EMERGENCY FLASHER LIGHT	3EHP585848P0251	CLW/ES/3/0072/D	01	2.00	2.00
				T032/048	ILLUMINATED SWITCH EMERGENCY FLASHER LIGHT	3EHP585848P0251		01	2.00	NIL
				B032/048	ILLUMINATED SWITCH EMERGENCY FLASHER LIGHT	3EHP585848P0251		01	NIL	2.00
40	N/0/0055	297002430114P	70	T033/001	ILLUMINATED PUSH BUTTON FOR VIGILANCE CONTROL	3EHP585818P0291	CLW/ES/3/0072/D	01	2.00	2.00
				T033/033	PUSH BUTTON VIGILANCE CONTROL	3EHP585818P0291		01	2.00	NIL
				B033/033	PUSH BUTTON VIGILANCE CONTROL	3EHP585818P0291		01	NIL	2.00
41	N/1/0055	297002550114P	70	T031/016	PUSH BUTTON RESET VIGILANCE CONTROL.	3EHP585818P0311	CLW/ES/3/0072/D	01	2.00	2.00
				T031/016	PUSH BUTTON RESET VIGILANCE CONTROL	3EHP585818P0311		01	2.00	NIL
				B031/016	PUSH BUTTON RESET VIGILANCE CONTROL.	3EHP585818P0311		01	NIL	2.00
42	N/0/0056	298600150114P		T022/005	MASTER CONTROLLER	3EHP510214R0001	CLW/ES/3/0031/I	01	2.00	2.00
				T031/259	MASTER CONTROLLER	3EHP510214R0001		01	1.00	NIL

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				T031/167	MASTER CONTROLLER	3EHP510214R0001		01	1.00	NIL
				B031/259	MASTER CONTROLLER	3EHP510214R0001		01	NIL	1.00
				B031/167	MASTER CONTROLLER	3EHP510214R0001		01	NIL	1.00
43	N/0/0057	295001140114P		T031/002	TRACT/BRAKE EFFORT METER BOGIE	3EHP590546R0002	CLW/ES/3/0071	01	4.00	4.00
				T031/076	TRACT.BREAK. EFFORT METER BOGIE2	3EHP590546R0002		01	2.00	NIL
				T031/075	TRACT.BREAK. EFFORT METER BOGIE1	3EHP590546R0002		01	2.00	NIL
				B031/076	TRACT.BREAK. EFFORT METER BOGIE2	3EHP590546R0002		01	NIL	2.00
				B031/075	TRACT.BREAK. EFFORT METER BOGIE1	3EHP590546R0002		01	NIL	2.00
44	N/0/0065	294700310114C		T020/010	OIL COOLER RADIATOR FOR CONVERTER / TRANSFORMER COOLING	3EHP590472R0001	CLW/ES/3/0102/E	01	2.00	2.00
				T020/010	OIL COOLER RADIATOR FOR CONVERTER / TRANSFORMER COOLING	3EHP590472R0001		01	2.00	NIL
				B020/010	OIL COOLER RADIATOR FOR CONVERTER / TRANSFORMER COOLING	3EHP590472R0001		01	NIL	2.00
45	N/0/0066	296500570114P		T021/007	DISCHARGING RESISTOR FOR CAPACITOR BANK	3EHP590470R0004	CLW/ES/3/0089	01	1.00	1.00
				T021/007	DISCHARGING RESISTOR FOR CAPACITOR	3EHP590470R0004		01	1.00	NIL
				B021/007	DISCHARGING RESISTOR FOR CAPACITOR	3EHP590470R0004		01	NIL	1.00
46	N/0/0067	296600140314P		T019/010	EARTH FAULT RELAYS	HBVW400011R0001	CLW/ES/3/0090/C	01	4.00/5.00	5.00
				T024/208	EARTH FAULT RELAY AUXILIARY CONTROL CIRCUIT	HBVW400011R0001		01	1.00	NIL
				T023/021	EARTH FAULT RELAY AUX. CONVERTER	HBVW400011R0001		01	1.00	NIL
				T023/006	EARTH FAULT RELAY AUX.CONV.	HBVW400011R0001		01	1.00	NIL
				T021/011	EARTH FAULT RELAY HARMONIC FILTER	HBVW400011R0001		01	1.00	NIL
				T021/243	EARTH FAULT RELAY FOR HOTEL LOAD	HBVW400011R0001		01	NIL/1.00	NIL
				B024/208	EARTH FAULT RELAY CONTROL CIRCUIT	HBVW400011R0001		01	NIL	1.00
				B023/021	EARTH FAULT RELAY AUX. CONVERTER	HBVW400011R0001		01	NIL	1.00
				B023/006	EARTH FAULT RELAY AUX.CONV.	HBVW400011R0001		01	NIL	1.00
				B021/243	EARTH FAULT RELAY FOR HOTEL LOAD	HBVW400011R0001		01	NIL	1.00
				B021/011	EARTH FAULT RELAY HARMONIC FILTER	HBVW400011R0001		01	NIL	1.00
47	N/0/0068	298900440314P	89	T013/003	CONTACTOR AUXILIARIES IN HB -1 & HB-2	3EHE428074R0001	CLW/ES/3/0201/B	03	4.00	4.00
					CONTACTOR AUXILIARIES IN HB-2 CONSISTING OF			03	2.00	2.00
				T023/520	CONTACTOR 3 PHASES (ONE NO. FOR EACH SET)	3EHE428074P0100				
				T023/521	AUXILIARY CONTACT (ONE NO. FOR EACH SET)	3EHE428074P0101				
				T023/522	DC CHOKE 77 - 137 V (ONE NO. FOR EACH SET)	3EHE428074P0102				
				B023/520	CONTACTOR 3 PHASES (ONE NO. FOR EACH SET)	3EHE428074P0100				
				B023/521	AUXILIARY CONTACT (ONE NO. FOR EACH SET)	3EHE428074P0101				
				B023/522	DC CHOKE 77 - 137 V (ONE NO. FOR EACH SET)	3EHE428074P0102				
					CONTACTOR AUXILIARIES IN HB-1 CONSISTING OF			03	2.00	2.00
				T023/569	CONTACTOR 3 PHASES (ONE NO. FOR EACH SET)	3EHE428074P0100				
				T023/570	AUXILIARY CONTACT (ONE NO. FOR EACH SET)	3EHE428074P0101				
				T023/571	DC CHOKE 77 - 137 V (ONE NO. FOR EACH SET)	3EHE428074P0102				
				B023/569	CONTACTOR 3 PHASES (ONE NO. FOR EACH SET)	3EHE428074P0100				

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 & WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				B023/570	AUXILIARY CONTACT (ONE NO. FOR EACH SET)	3EHE428074P0101				
				B023/571	DC CHOKE 77 - 137 V (ONE NO. FOR EACH SET)	3EHE428074P0102				
48	N/0/0069	297500640114P	89	T013/004	<b>SNUBBER CIRCUIT TO CONTACTOR AUXILIARIES</b>	<b>3EHE428099P0001</b>	<b>CLW/ES/3/0202</b>	<b>01</b>	<b>4.00</b>	<b>4.00</b>
				T023/028	SNUBBER CIRCUIT FOR AUXILIARY CONTACTOR	3EHE428099P0001		01	2.00	NIL
				T023/523	SNUBBER CIRCUIT FOR AUXILIARY CONTACTOR	3EHE428099P0001		01	2.00	NIL
				B023/028	SNUBBER CIRCUIT FOR AUXILIARY CONTACTOR	3EHE428099P0001		01	NIL	2.00
				B023/523	SNUBBER CIRCUIT FOR AUXILIARY CONTACTOR	3EHE428099P0001		01	NIL	2.00
49	N/1/0070	297002800115R	89	T023/490	<b>AUXILIARY SWITCH FOR HB - 1</b>	<b>3EHP585771R0006</b>	<b>CLW/ES/3/0203/B</b>	<b>01</b>	<b>2.00</b>	<b>2.00</b>
				T023/490	AUXILIARY SWITCH FOR HB - 1	3EHP585771R0006		01	2.00	NIL
				B023/490	AUXILIARY SWITCH FOR HB - 1	3EHP585771R0006		01	NIL	2.00
50	N/0/0071	295110080314C		T017/003	<b>MAIN COMPRESSOR WITH MOUNTING ACCESSORIES ALONG WITH MOTOR ( WOUND WITH CORONA RESISTANCE WIRE)</b>		<b>1.CLW/ES/3/0100/E 2.SPEC/E-10/3/09 (MOTOR) WITH AMENDMENT NOS. 01,02 , 03 , 04 &amp; 05</b>	<b>03</b>	<b>2.00</b>	<b>2.00</b>
				T017/003	MAIN COMPRESSOR WITH MOUNTING ACCESSORIES ALONG WITH MOTOR ( WOUND WITH CORONA RESISTANCE WIRE)			03	2.00	NIL
				B017/003	MAIN COMPRESSOR WITH MOUNTING ACCESSORIES ALONG WITH MOTOR ( WOUND WITH CORONA RESISTANCE WIRE)			03	NIL	2.00
51	N/0/0072	255130000315C	51	T020/015	<b>AUXILIARY COMPRESSOR (MCPA)</b>		<b>CLW/ES/C-4/F</b>	<b>03</b>	<b>1.00</b>	<b>1.00</b>
				T020/015	AUXILIARY COMPRESSOR			03	1.00	NIL
				B020/015	AUXILIARY COMPRESSOR			03	NIL	1.00
52	N/0/0073	296400390114P	64	T024/025	<b>MAXIMUM CURRENT RELAY IN SB1</b>	<b>DKA210013R0037</b>	<b>CLW/ES/3/0059/D</b>	<b>01</b>	<b>1.00</b>	<b>1.00</b>
				T024/205	MAXIMUM CURRENT RELAY	DKA210013R0037		01	1.00	NIL

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WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				B024/205	MAXIMUM CURRENT RELAY	DKA210013R0037		01	NIL	1.00
53	N/0/0074	296600260114P	64	T024/452	MINIMUM VOLTAGE RELAY IN SB1	3EHP585821R0202	CLW/ES/3/0060/B	01	1.00	1.00
				T024/207	MINIMUM VOLTAGE RELAY	3EHP585821R0202		01	1.00	NIL
				B024/207	MINIMUM VOLTAGE RELAY	3EHP585821R0202		01	NIL	1.00
54	N/0/0076	296400270114P	64	T024/012	RELAY FOR CONTROL ELECTRONICS OFF / TEMPERATURE	3EHP585807P1207	CLW/ES/3/0066/A	01	2.00	2.00
				T024/455	RELAY TEMPERATURE CONTROL ELECTRONICS	3EHP585807P1207		01	1.00	NIL
				T024/215	RELAY CONTROL ELECTRONICS OFF	3EHP585807P1207		01	1.00	NIL
				B024/455	RELAY TEMPERATURE CONTROL ELECTRONICS	3EHP585807P1207		01	NIL	1.00
				B024/215	RELAY CONTROL ELECTRONICS OFF	3EHP585807P1207		01	NIL	1.00
55	N/1/0076	296400880314P		T024/438	RELAY FOR CONTROL ELECTRONICS ON along with accessories.	I) 3EHP585807P1207 II)	CLW/ES/3/0066/A	03	1.00	1.00
				T024/438	RELAY FOR CONTROL ELECTRONICS ON along with accessories.	I) 3EHP585807P1207 II)		03	1.00	NIL
				B024/438	RELAY FOR CONTROL ELECTRONICS ON along with accessories.	I) 3EHP585807P1207 II)		03	NIL	1.00
56	N/0/0077	296400150314P	64	T024/018	TIME RELAY FOR VCB WITH AUX. CONTACTS CONSISTING OF (i) CONTACTOR / RELAY (1 NO.) (ii) TIME DELAY MODULE (1 NO.)	(i)HBTB585683R4227 (ii)3EHP590028R000	CLW/ES/3/0064/A	03	1.00	1.00
				T024/227	TIME RELAY VCB	(i) HBTB585683R4227		03	1.00	NIL
				B024/227	TIME RELAY VCB	(i) HBTB585683R4227		03	NIL	1.00
57	N/0/0080	297000850114P		T019/002	SPRING LOADED SWITCH - 1	3EHP585810R0001	CLW/ES/3/0032/F	01	6.00	6.00
				T031/264	FOOT SWITCH FOR RELEASE OF LOCO BRAKE	3EHP585810R0001		01	1.00	NIL
				T031/263	FOOT SWITCH FOR VIGILANCE	3EHP585810R0001		01	1.00	NIL
				T031/262	FOOT SWITCH FOR SANDING	3EHP585810R0001		01	1.00	NIL
				T031/172	FOOT SWITCH FOR RELEASE OF LOCO BRAKE	3EHP585810R0001		01	1.00	NIL
				T031/171	FOOT SWITCH FOR VIGILANCE	3EHP585810R0001		01	1.00	NIL
				T031/170	FOOT SWITCH FOR SANDING	3EHP585810R0001		01	1.00	NIL
				B031/264	FOOT SWITCH FOR RELEASE OF LOCO BRAKE	3EHP585810R0001		01	NIL	1.00
				B031/263	FOOT SWITCH FOR VIGILANCE	3EHP585810R0001		01	NIL	1.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				B031/262	FOOT SWITCH FOR SANDING	3EHP585810R0001		01	NIL	1.00
				B031/172	FOOT SWITCH FOR RELEASE OF LOCO BRAKE	3EHP585810R0001		01	NIL	1.00
				B031/171	FOOT SWITCH FOR VIGILANCE / KEY SWITCH	3EHP585810R0001		01	NIL	1.00
				B031/170	FOOT SWITCH FOR VIGILANCE / KEY SWITCH	3EHP585810R0001		01	NIL	1.00
58	N/0/0081	297000240114P		T019/003	SPRING LOADED SWITCH - 2	HBTB585604R1201	CLW/ES/3/0075/A	01	18.00	18.00
				T033/036	SWITCH HAND LAMP	HBTB585604R1201		01	2.00	NIL
				T033/034	SWITCH ASST. DESK ILLUMINATION	HBTB585604R1201		01	2.00	NIL
				T032/052	SWITCH DRIVER'S DESK ILLUMINATION	HBTB585604R1201		01	4.00	NIL
				T032/050	SWITCH DRIVER'S CAB LIGHTING	HBTB585604R1201		01	2.00	NIL
				T032/047	SWITCH MARKER LIGHTS RED	HBTB585604R1201		01	2.00	NIL
				T032/046	SWITCH MARKER LIGHTS WHITE	HBTB585604R1201		01	2.00	NIL
				T031/011	SWITCH FOR BANKING OPERATION	HBTB585604R1201		01	2.00	NIL
				T031/009	SWITCH MAXIMUM TRACTIVE EFFORT LIMITATION.	HBTB585604R1201		01	2.00	NIL
				B033/036	SWITCH HAND LAMP	HBTB585604R1201		01	NIL	2.00
				B033/034	SWITCH ASST. DESK ILLUMINATION	HBTB585604R1201		01	NIL	2.00
				B032/052	SWITCH DRIVER'S DESK ILLUMINATION	HBTB585604R1201		01	NIL	4.00
				B032/050	SWITCH DRIVER'S CAB LIGHTING	HBTB585604R1201		01	NIL	2.00
				B032/047	SWITCH MARKER LIGHTS RED	HBTB585604R1201		01	NIL	2.00
				B032/046	SWITCH MARKER LIGHTS WHITE	HBTB585604R1201		01	NIL	2.00
				B031/011	SWITCH FOR BANKING OPERATION	HBTB585604R1201		01	NIL	2.00
				B031/009	SWITCH MAXIMUM TRACTIVE EFFORT LIMITATION.	HBTB585604R1201		01	NIL	2.00
59	N/0/0082	297000730114P		T016/005	EARTHING SWITCH FOR VCB - with locking arrangement.	HSBA031197R0001	CLW/ES/3/0010/B	01	1.00	1.00
				T016/005	EARTHING SWITCH	HSBA031197R0001		01	1.00	NIL
				B016/005	EARTHING SWITCH	HSBA031197R0001		01	NIL	1.00
60	N/0/0083	259849860315C		T016/006	MAIN CIRCUIT BREAKER (VCB) WITH ITS CONNECTOR and 05% extra Flexible reinforced Rubber 27" long Air Hose Pipe I/D 5/16" with 3/8" BSP Female coupling fitting at both end as manufacturing spares.		CLW/ES/C-47/G	03	1.00	1.00
				T016/006	VACCUM MAIN CKT. BREAKER			03	1.00	NIL
				B016/006	VACCUM MAIN CKT. BREAKER			03	NIL	1.00
61	N/0/0084	297500520114H		T016/009	SURGE ARRESTOR	HATW205558R0033	CLW/ES/3/0016	01	2.00	2.00
				T016/135	SURGE ARRESTOR	HATW205558R0033		01	2.00	NIL
				B016/135	SURGE ARRESTOR	HATW205558R0033		01	NIL	2.00
62	N/2/0084	297350020114P	73	T021/244	SURGE ARRESTOR FOR HOTEL LOAD	HAWA100061R0003	CLW/ES/3/0313/A	01	NIL/2.00	NIL

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				T021/244	SURGE ARRESTOR FOR HOTEL LOAD	HAWA100061R0003		01	NIL/2.00	NIL
				B021/244	SURGE ARRESTOR FOR HOTEL LOAD	HAWA100061R0003		01	NIL	NIL
<b>63</b>	<b>N/0/0085</b>	<b>297000970114P</b>		<b>T016/012</b>	<b>LATCHING PUSH BUTTON CORRIDOR LIGHTING</b>	<b>HBTB585456R0102</b>	<b>CLW/ES/3/0044</b>	<b>01</b>	<b>2.00</b>	<b>2.00</b>
				T016/325	LATCHING PUSH-BUTTON CORRIDOR LIGHTING	HBTB585456R0102		01	1.00	NIL
				T016/089	LATCHING PUSH-BUTTON CORRIDOR LIGHTING	HBTB585456R0102		01	1.00	NIL
				B016/325	LATCHING PUSH-BUTTON CORRIDOR LIGHTING	HBTB585456R0102		01	NIL	1.00
				B016/089	LATCHING PUSH-BUTTON CORRIDOR LIGHTING	HBTB585456R0102		01	NIL	1.00
<b>64</b>	<b>N/4/0087</b>	<b>292000400314P</b>		<b>T022/195</b>	<b>MICROPROCESSOR BASED ELECTRONIC SPEED INDICATING , RECORDING SYSTEM and 01(ONE) EVALUATION SOFTWARE FOR EVERY 10(TEN) SETS OF SPM (WITHOUT MEMORY CARD READER UNIT &amp; COMMUNICATION CABLE FOR MASTER TO SLAVE) FOR WAG-9 / WAP-7 &amp; WAP-5 TYPE 3-PHASE LOCOMOTIVES.</b>		<b>ELRS/SPEC/ SPM/0002 (Rev.2) , June 2004 with Amendment No. 01 to 06</b>	<b>03</b>	<b>1.00</b>	<b>1.00</b>
				T022/195	MICROPROCESSOR BASED ELECTRONIC SPEED INDICATING , RECORDING SYSTEM and 01(one) evaluation software for every 10(Ten) sets of SPM (WITHOUT MEMORY CARD READER UNIT & COMMUNICATION CABLE FOR MASTER TO SLAVE) FOR WAG-9 / WAP-7 & WAP-5 TYPE 3-PHASE LOCOMOTIVES.			03	1.00	NIL
				B022/195	MICROPROCESSOR BASED ELECTRONIC SPEED INDICATING , RECORDING SYSTEM and 01(one) evaluation software for every 10(Ten) sets of SPM (WITHOUT MEMORY CARD READER UNIT & COMMUNICATION CABLE FOR MASTER TO SLAVE) FOR WAG-9 / WAP-7 & WAP-5 TYPE 3-PHASE LOCOMOTIVES.			03	NIL	1.00
<b>65</b>	<b>N/2/0088</b>	<b>297101450114P</b>		<b>T023/624</b>	<b>AC Ckt. Breaker 63 A, 3 Pole Revised (Type -17)</b>	<b>HBTB585554R3083</b>	<b>CLW/ES/3/0096/H</b>	<b>01</b>	<b>4.00</b>	<b>4.00</b>
				T023/624	AC Ckt. Breaker 63 A, 3 Pole Revised (Type -17)	HBTB585554R3083		01	4.00	NIL
				B023/624	AC Ckt. Breaker 63 A, 3 Pole Revised (Type -17)	HBTB585554R3083		01	NIL	4.00
<b>66</b>	<b>N/3/0088</b>	<b>297100170114P</b>		<b>T023/625</b>	<b>AC Ckt. Breaker 41 A, 3 Pole Revised (Type -16)</b>	<b>3EH_113456R0001</b>	<b>CLW/ES/3/0096/H</b>	<b>01</b>	<b>2.00</b>	<b>2.00</b>
				T023/625	AC Ckt. Breaker 41 A, 3 Pole Revised (Type -16)	3EH_113456R0001		01	2.00	NIL
				B023/625	AC Ckt. Breaker 41 A, 3 Pole Revised (Type -16)	3EH_113456R0001		01	NIL	2.00
<b>67</b>	<b>N/2/0089</b>	<b>297101700114P</b>		<b>T023/626</b>	<b>AC Ckt. Breaker 6 A, 1 Pole Revised (Type -20)</b>	<b>HBTB585552R1013</b>	<b>CLW/ES/3/0096/H</b>	<b>01</b>	<b>4.00</b>	<b>4.00</b>
				T023/626	AC Ckt. Breaker 6 A, 1 Pole Revised (Type -20)	HBTB585552R1013		01	4.00	NIL
				B023/626	AC Ckt. Breaker 6 A, 1 Pole Revised (Type -20)	HBTB585552R1013		01	NIL	4.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
68	N/0/0090	297500400114P	67	T021/002	SURGE ARRESTOR CURRENT TRANSFORMER	HAMM312079R0001	CLW/ES/3/0085/A	01	1.00	1.00
				T021/002	SURGE ARRESTOR CURRENT TRANSFORMER	HAMM312079R0001		01	1.00	NIL
				B021/002	SURGE ARRESTOR CURRENT TRANSFORMER	HAMM312079R0001		01	NIL	1.00
69	N/1/0092	297101940114P	71	T023/004	AC Ckt. Breaker 11 A, 1 Pole Revised (Type -21)	HBTB585552R1033	CLW/ES/3/0096/H	01	1.00	1.00
				T023/004	AC Ckt. Breaker 11 A, 1 Pole Revised (Type -21)	HBTB585552R1033		01	1.00	NIL
				B023/004	AC Ckt. Breaker 11 A, 1 Pole Revised (Type -21)	HBTB585552R1033		01	NIL	1.00
70	N/2/0092	297101570114P		T023/627	AC Ckt. Breaker 20 A, 1Pole Revised (Type -19)	3EHP590639R0101	CLW/ES/3/0096/H	01	2.00	2.00
				T023/627	AC Ckt. Breaker 20 A, 1Pole Revised (Type -19)	3EHP590639R0101		01	2.00	NIL
				B023/627	AC Ckt. Breaker 20 A, 1Pole Revised (Type -19)	3EHP590639R0101		01	NIL	2.00
71	N/1/0093	297101690114P		T023/629	AC Ckt. Breaker 6 A, 3 Pole Revised (Type -18)	HBTB585552R3013	CLW/ES/3/0096/H	01	3.00	3.00
				T023/629	AC Ckt. Breaker 6 A, 3 Pole Revised (Type -18)	HBTB585552R3013		01	2.00	NIL
				T023/637	AC Ckt. Breaker 6 A, 3 Pole Revised (Type -18) FOR AC SYSTEM	HBTB585552R3013		01	1.00	NIL
				B023/629	AC Ckt. Breaker 6 A, 3 Pole Revised (Type -18)	HBTB585552R3013		01	NIL	2.00
				B023/637	AC Ckt. Breaker 6 A, 3 Pole Revised (Type -18) FOR AC SYSTEM	HBTB585552R3013		01	NIL	1.00
72	N/1/0094	297101820114P		T023/630	AC Ckt. Breaker 16 A, 3 Pole Revised (Type -14)	HBTB585552R3033	CLW/ES/3/0096/H	01	2.00	2.00
				T023/630	AC Ckt. Breaker 16 A, 3 Pole Revised (Type -14)	HBTB585552R3033		01	2.00	NIL
				B023/630	AC Ckt. Breaker 16 A, 3 Pole Revised (Type -14)	HBTB585552R3033		01	NIL	2.00
73	N/1/0095	297110340114P		T023/631	AC Ckt. Breaker 32 A, 3 Pole Revised (Type -15)	HBTB585552R3063	CLW/ES/3/0096/H	01	2.00	2.00
				T023/631	AC Ckt. Breaker 32 A, 3 Pole Revised (Type -15)	HBTB585552R3063		01	2.00	NIL
				B023/631	AC Ckt. Breaker 32 A, 3 Pole Revised (Type -15)	HBTB585552R3063		01	NIL	2.00
74	N/2/0095	297110220114P		T023/632	AUXILIARY CONTACTS 2 N/O	HBTB585557R1200	CLW/ES/3/0096/H	01	16.00	16.00
				T023/632	AUXILIARY CONTACT	HBTB585557R1200		01	16.00	NIL
				B023/632	AUXILIARY CONTACT	HBTB585557R1200		01	NIL	16.00
75	N/0/0096	297500270114P	70	T024/365	SNUBBER CKT.	3EHW470024R0005	CLW/ES/3/0067/B	01	12.00	12.00
				T024/456	SNUBBER CIRCUIT TO RELAY TEMPERATURE CONTROL ELECTRONICS	3EHW470024R0005		01	1.00	NIL

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

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SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				T024/454	SNUBBER CIRCUIT TO ITEM AUXILIARY CONTACTOR PANTOGRAPH	3EHW470024R0005		01	1.00	NIL
				T024/440	SNUBBER CIRCUIT TO CONTACTOR POWER SUPPLY CAB	3EHW470024R0005		01	1.00	NIL
				T024/230	SNUBBER CIRCUIT TO AUXILIARY CONTACTOR VCB	3EHW470024R0005		01	1.00	NIL
				T024/228	SNUBBER CIRCUIT TO TIME RELAY VCB	3EHW470024R0005		01	1.00	NIL
				T024/218	SNUBBER CIRCUIT TO CONTACTOR POWER SUPPLY CAB	3EHW470024R0005		01	1.00	NIL
				T024/216	SNUBBER CIRCUIT TO RELAY CONTROL ELECTRONICS 'OFF'	3EHW470024R0005		01	1.00	NIL
				T023/178	SNUBBER CIRCUIT FOR CONTACTOR MAIN COMPRESSOR & BUR -1&2	3EHW470024R0005		01	3.00	NIL
				T023/026	SNUBBER CIRCUIT FOR CONTACTOR MAIN COMPRESSOR	3EHW470024R0005		01	1.00	NIL
				T023/639	SNUBBER CIRCUIT FOR A.C. SYSTEM	3EHW470024R0005		01	1.00	NIL
				B024/456	SNUBBER CIRCUIT TO RELAY TEMPERATURE CONTROL ELECTRONICS	3EHW470024R0005		01	NIL	1.00
				B024/454	SNUBBER CIRCUIT TO AUXILIARY CONTACTOR PANTOGRAPH	3EHW470024R0005		01	NIL	1.00
				B024/440	SNUBBER CIRCUIT TO CONTACTOR POWER SUPPLY CAB	3EHW470024R0005		01	NIL	1.00
				B024/230	SNUBBER CIRCUIT TO AUXILIARY CONTACTOR VCB	3EHW470024R0005		01	NIL	1.00
				B024/228	SNUBBER CIRCUIT TO TIME RELAY VCB	3EHW470024R0005		01	NIL	1.00
				B024/218	SNUBBER CIRCUIT TO CONTACTOR POWER SUPPLY CAB	3EHW470024R0005		01	NIL	1.00
				B024/216	SNUBBER CIRCUIT TO RELAY CONTROL ELECTRONICS OFF	3EHW470024R0005		01	NIL	1.00
				B023/178	SNUBBER CIRCUIT FOR CONTACTOR MAIN COMPRESSOR & BUR -1&2	3EHW470024R0005		01	NIL	3.00
				B023/026	SNUBBER CIRCUIT FOR CONTACTOR MAIN COMPRESSOR	3EHW470024R0005		01	NIL	1.00
				B023/639	SNUBBER CIRCUIT FOR A.C. SYSTEM	3EHW470024R0005		01	NIL	1.00
76	N/0/0100	297001270114P	70	T024/024	KEY SWITCH SIMULATION IN SB1	3EHP585704R2222	CLW/ES/3/0079/A	01	1.00	1.00
				T024/235	KEY SWITCH SIMULATION	3EHP585704R2222		01	1.00	NIL
				B024/235	KEY SWITCH SIMULATION	3EHP585704R2222		01	NIL	1.00
77	N/0/0102	296102800114P		T025/005	UIC - SOCKET	HBTB585471R0001	CLW/ES/3/0047	01	2.00	2.00
				T031/193	UIC - SOCKET	HBTB585471R0001		01	1.00	NIL
				T031/102	UIC - SOCKET	HBTB585471R0001		01	1.00	NIL
				B031/493	UIC - SOCKET	HBTB585471R0001		01	NIL	1.00
				B031/300	UIC - SOCKET	HBTB585471R0001		01	NIL	1.00
78	N/0/0103	295000470114P		T026/006	PRESSURE SENSOR OIL CIRCUIT TRANSFORMER	3EHN424144R5000	CLW/ES/3/0035/G	01	4.00	4.00
				T017/200	PRESSURE SENSOR	3EHN424144R5000		01	4.00	NIL
				B017/200	PRESSURE SENSOR	3EHN424144R5000		01	NIL	4.00
79	N/0/0104	295000590114P		T020/012	AMPLIFIER TO SENSOR OIL CIRCUIT	3EHP585820P0003	CLW/ES/3/0035/G	01	2.00	2.00
				T020/012	AMPLIFIER TO SENSOR OIL CIRCUIT	3EHP585820P0003		01	2.00	NIL
				B020/012	AMPLIFIER TO SENSOR OIL CIRCUIT	3EHP585820P0003		01	NIL	2.00
80	N/0/0105	297010300114P		T031/006	CAB ACTIVATING KEY SWITCH	3EHP590522P0001	CLW/ES/3/0074	01	2.00	2.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				T031/006	CAB ACTIVATING KEY SWITCH	3EHP590522P0001		01	2.00	NIL
				B031/006	CAB ACTIVATING KEY SWITCH	3EHP590522P0001		01	NIL	2.00
81	N/0/0106	297000360114P		T031/007	SPRING LOADED SWITCH FOR PANTOGRAPH/VCB/ HOTEL LOAD	HBTB585604R3001	CLW/ES/3/0075/A	01	6.00	6.00
				T031/078	SPRING LOADED SWITCH FOR VCB	HBTB585604R3001		01	2.00	NIL
				T031/077	SPRING LOADED SWITCH PANTOGRAPH	HBTB585604R3001		01	2.00	NIL
				T031/013	SPRING LOADED SWITCH HOTEL LOAD SUPPLY.	HBTB585604R3001		01	2.00	NIL
				B031/078	SPRING LOADED SWITCH FOR VCB	HBTB585604R3001		01	NIL	2.00
				B031/077	SPRING LOADED SWITCH PANTOGRAPH.	HBTB585604R3001		01	NIL	2.00
				B031/013	SPRING LOADED SWITCH HOTEL LOAD SUPPLY.	HBTB585604R3001		01	NIL	2.00
82	N/0/0108	297000610114P		T031/015	SPRING LOADED SWITCH FOR COMPRESSOR	HBTB585604R2001	CLW/ES/3/0075/A	01	2.00	2.00
				T031/015	SPRING LOADED SWITCH MAIN COMPRESSOR.	HBTB585604R2001		01	2.00	NIL
				B031/015	SPRING LOADED SWITCH MAIN COMPRESSOR.	HBTB585604R2001		01	NIL	2.00
83	N/0/0110	297000480114P		T032/004	SPRING LOADED SWITCH FOR HEAD LIGHTS	3EHP585743R2204	CLW/ES/3/0075/A	01	2.00	2.00
				T032/045	SWITCH HEADLIGHTS.	3EHP585743R2204		01	2.00	NIL
				B032/045	SWITCH HEADLIGHTS	3EHP585743R2204		01	NIL	2.00
84	N/0/0111	297000500114P		T032/007	SPRING LOADED SWITCH FOR HEAD LIGHT INTENSITY	3EHP585743R2103	CLW/ES/3/0075/A	01	2.00	2.00
				T032/049	SWITCH HEAD LIGHTS INTENSITY	3EHP585743R2103		01	2.00	NIL
				B032/049	SWITCH HEAD LIGHTS INTENSITY	3EHP585743R2103		01	NIL	2.00
85	N/0/0112	297001390114P		T031/018	PUSH BUTTON FOR EMERGENCY STOP	3EHP590153R0002	CLW/ES/3/0077/A	01	2.00	2.00
				T031/018	PUSH BUTTON FOR EMERGENCY STOP.	3EHP590153R0002		01	2.00	NIL
				B031/018	PUSH BUTTON FOR EMERGENCY STOP.	3EHP590153R0002		01	NIL	2.00
86					<b>SHRINK DOWN SLEEVES</b>					
					a) SET OF SHRINKDOWN SLEEVES (Polyethelene Based Polyolefin)					
(1)	N/1/0113	296103332214P	61	T031/298	SHRINKDOWN SLEEVE 6.4 X 0.28 PE5 BK	F415788P0106	CLW/ES/3/0154/Q	22	26.00	26.00
				T031/298	SHRINKDOWN SLEEVE 6.4 X 0.28 PE5 BK	F415788P0106		22	26.00	NIL

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				B031/298	SHRINKDOWN SLEEVE 6.4 X 0.28 PE5 BK	F415788P0106		22	NIL	26.00
(2)	N/2/0113	296105032214P	61	T031/389	SHRINKDOWN SLEEVE 12.7 x 0.28 PE5 BK	F415788P0108	CLW/ES/3/0154/Q	22	20.00	20.00
				T031/389	SHRINKDOWN SLEEVE 12.7 x 0.28 PE5 BK	F415788P0108		22	20.00	NIL
				B031/389	SHRINKDOWN SLEEVE 12.7 x 0.28 PE5 BK	F415788P0108		22	NIL	20.00
(3)	N/3/0113	296105152214P	61	T023/069	SD SLEEVE 19.0X0.35-PE 5 BK	F415788P0109	CLW/ES/3/0154/Q	22	5.00	5.00
				T023/069	SD SLEEVE 19.0X0.35-PE 5 BK	F415788P0109		22	5.00	NIL
				B023/069	SD SLEEVE 19.0X0.35-PE 5 BK	F415788P0109		22	NIL	5.00
(4)	N/4/0113	296105272214P	61	T021/222	SHRINKDOWN SLEEVE 25.4 X 0.38 PE5 BK	F415788P0110	CLW/ES/3/0154/Q	22	12.50	12.50
				T021/222	SHRINKDOWN SLEEVE 25.4 X 0.38 PE5 BK	F415788P0110		22	12.50	NIL
				B021/222	SHRINKDOWN SLEEVE 25.4 X 0.38 PE5 BK	F415788P0110		22	NIL	12.50
(5)	N/5/0113	296105392214P	61	T017/300	SHRINKDOWN SLEEVE 25.4 X 0.38 PE5 TR	F415788P0610	CLW/ES/3/0154/Q	22	8.00	8.00
				T017/300	SHRINKDOWN SLEEVE 25.4 X 0.38 PE5 TR	F415788P0610		22	8.00	NIL
				B017/300	SHRINKDOWN SLEEVE 25.4 X 0.38 PE5 TR	F415788P0610		22	NIL	8.00
(6)	N/6/0113	296105402214P	61	T030/849	SHRINKDOWN SLEEVE 2.4 x 0.22 PE5 G/YEL	F415788P0703	CLW/ES/3/0154/Q	22	1.20	1.20
				T030/849	SHRINKDOWN SLEEVE 2.4 x 0.22 PE5 G/YEL	F415788P0703		22	1.20	NIL
				B030/849	SHRINKDOWN SLEEVE 2.4 x 0.22 PE5 G/YEL	F415788P0703		22	NIL	1.20
(7)	N/7/0113	296105522214P	61	T034/236	SD SLEEVE 6.4 x 0.28 PE5 G/YEL	F415788P0706	CLW/ES/3/0154/Q	22	1.32	1.32
				T034/236	SD SLEEVE 6.4 x 0.28 PE5 G/YEL	F415788P0706		22	1.32	NIL
				B034/236	SD SLEEVE 6.4 x 0.28 PE5 G/YEL	F415788P0706		22	NIL	1.32
(8)	N/8/0113	296105642214P	61	T030/281	SHRINKDOWN SLEEVE 9.5 x 0.28 - PE5 G/YEL	F415788P0707	CLW/ES/3/0154/Q	22	2.00	2.00
				T030/281	SHRINKDOWN SLEEVE 9.5 x 0.28 - PE5 G/YEL	F415788P0707		22	2.00	NIL
				B030/281	SHRINKDOWN SLEEVE 9.5 x 0.28 - PE5 G/YEL	F415788P0707		22	NIL	2.00
(9)	N/9/0113	296105762214P	61	T034/109	SHRINKDOWN SLEEVE 12.7 x 0.28 PE5 G/YEL	F415788P0708	CLW/ES/3/0154/Q	22	4.00	4.00
				T034/109	SHRINKDOWN SLEEVE 12.7 x 0.28 PE5 G/YEL	F415788P0708		22	4.00	NIL
				B034/109	SHRINKDOWN SLEEVE 12.7 x 0.28 PE5 G/YEL	F415788P0708		22	NIL	4.00
(10)	N/10/0113	296105882214P	61	T031/117	SHRINKDOWN SLEEVE YEL/GREEN 3/1.5	HBTB416269P0001	CLW/ES/3/0154/Q	22	2.00	2.00
				T031/117	SHRINKDOWN SLEEVE YEL/GREEN 3/1.5	HBTB416269P0001		22	2.00	NIL
				B031/117	SHRINKDOWN SLEEVE YEL/GREEN 3/1.5	HBTB416269P0001		22	NIL	2.00
(11)	N/11/0113	296105902214P	61	T034/061	SHRINKDOWN SLEEVE YEL/GREEN 6/3	HBTB416269P0002	CLW/ES/3/0154/Q	22	1.00	1.00
				T034/061	SHRINKDOWN SLEEVE YEL/GREEN 6/3	HBTB416269P0002		22	1.00	NIL
				B034/061	SHRINKDOWN SLEEVE YEL/GREEN 6/3	HBTB416269P0002		22	NIL	1.00
(12)	N/13/0113	296106182214P	61	T034/074	S.D. SLEEVE YEL/GREEN 26/13	HBTB416269P0005	CLW/ES/3/0154/Q	22	1.00	1.00
				T034/074	S.D. SLEEVE YEL/GREEN 26/13	HBTB416269P0005		22	1.00	NIL
				B034/074	S.D. SLEEVE YEL/GREEN 26/13	HBTB416269P0005		22	NIL	1.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(13)	N/14/0113	296106202214P	61	T030/739	AD HESIVE SHRINKDOWN SLEEVE 16/4	HBTB416411P0003	CLW/ES/3/0154/Q	22	4.00	4.00
				T030/739	AD HESIVE SHRINKDOWN SLEEVE 16/4	HBTB416411P0003		22	4.00	NIL
				B030/739	AD HESIVE SHRINKDOWN SLEEVE 16/4	HBTB416411P0003		22	NIL	4.00
(14)	N/15/0113	296106312214P	61	T031/365	SHRINKDOWN SLEEVE 24/6	HBTB416411P0004	CLW/ES/3/0154/Q	22	14.50	14.50
				T031/365	SHRINKDOWN SLEEVE 24/6	HBTB416411P0004		22	14.50	NIL
				B031/365	SHRINKDOWN SLEEVE 24/6	HBTB416411P0004		22	NIL	14.50
(15)	N/17/0113	296106672214P	61	T021/116	ADHESIVE SD SLEEVE 12/3	HBTB416411P0002	CLW/ES/3/0154/Q	22	3.50	3.50
				T021/116	ADHESIVE SD SLEEVE 12/3	HBTB416411P0002		22	3.50	NIL
				B021/116	ADHESIVE SD SLEEVE 12/3	HBTB416411P0002		22	NIL	3.50
(16)	N/18/0113	296106792214P	61	T021/080	ADHESIVE SD SLEEVE 32/8	HBTB416411P0005	CLW/ES/3/0154/Q	22	3.50	3.50
				T021/080	ADHESIVE SD SLEEVE 32/8	HBTB416411P0005		22	3.50	NIL
				B021/080	ADHESIVE SD SLEEVE 32/8	HBTB416411P0005		22	NIL	3.50
(17)	N/19/0113	296106802214P	61	T016/192	SHRINKDOWN SLEEVE 1 KYNAR	HEIS415785P0010	CLW/ES/3/0154/Q	22	3.00	3.00
				T016/192	SHRINKDOWN SLEEVE 1 KYNAR	HEIS415785P0010		22	3.00	NIL
				B016/192	SHRINKDOWN SLEEVE 1 KYNAR	HEIS415785P0010		22	NIL	3.00
(18)	N/20/0113	296106922214P	61	T019/018	SHRINKDOWN SLEEVE YEL/GREEN 12/6	HBTB416269P0003	CLW/ES/3/0154/Q	22	2.00	2.00
				T019/018	SHRINKDOWN SLEEVE YEL/GREEN 12/6	HBTB416269P0003		22	2.00	NIL
				B019/018	SHRINKDOWN SLEEVE YEL/GREEN 12/6	HBTB416269P0003		22	NIL	2.00
(19)	N/28/0113	296112950114P		T017/039	S.D. SLEEVE SIZE 18	HBTB415391P0011	CLW/ES/3/0154/Q	01	40.00	40.00
				T017/039	S.D. SLEEVE SIZE 18	HBTB415391P0011		01	40.00	NIL
				B017/039	S.D. SLEEVE SIZE 18	HBTB415391P0011		01	NIL	40.00
(20)	N/29/0113	29610643224P		T017/350	ADHESIVE SHRINK DOWN SLEEVE SIZE 12/2.41		CLW/ES/3/0154/Q	22	0.60	0.50
87	N/0/0113a			T028/295	b) SET OF PRINTED SRINKDOWN SLEEVE		CLW/ES/3/0154/Q	03	1.00	1.00
(1)	N/22/0113	296107090114P	61	T031/046	SHRINKDOWN SLV DTMS 1/8	HBT416006P0003	CLW/ES/3/0154/Q	01	931.00	1141.00
				T031/046	SHRINKDOWN SLV DTMS 1/8	HBT416006P0003		01	931.00	NIL
				B031/046	SHRINKDOWN SLV DTMS 1/8	HBT416006P0003		01	NIL	1141.00
(2)	N/23/0113	296107100114P	61	T021/221	SHRINKDOWN SLV DTMS 3/16	HBT416007P0003	CLW/ES/3/0154/Q	01	5743.00/593 3.00	5723.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				T021/221	SHRINKDOWN SLV DTMS 3/16	HBT416007P0003		01	5743.00/593.00	NIL
				B021/221	SHRINKDOWN SLV DTMS 3/16	HBT416007P0003		01	NIL	5723.00
(3)	N/24/0113	296107220114P	61	T034/160	SHRINKDOWN SLV DTMS 1/4	HBT416008P0003	CLW/ES/3/0154/Q	01	156.00/176.00	156.00
				T034/160	SHRINKDOWN SLV DTMS 1/4	HBT416008P0003		01	156.00/176.00	NIL
				B034/160	SHRINKDOWN SLV DTMS 1/4	HBT416008P0003		01	NIL	156.00
(4)	N/25/0113	296107340144P	61	T034/154	SHRINKDOWN SLV DTMS 3/8	HBT416009P0003	CLW/ES/3/0154/Q	01	310.00	310.00
				T034/154	SHRINKDOWN SLV DTMS 3/8	HBT416009P0003		01	310.00	NIL
				B034/154	SHRINKDOWN SLV DTMS 3/8	HBT416009P0003		01	NIL	310.00
(5)	N/26/0113	296107460114P	61	T023/067	SHRINKDOWN SLV DTMS 1/2	HBT416010P0003	CLW/ES/3/0154/Q	01	110.00	110.00
				T023/067	SHRINKDOWN SLV DTMS 1/2	HBT416010P0003		01	110.00	NIL
				B023/067	SHRINKDOWN SLV DTMS 1/2	HBT416010P0003		01	NIL	110.00
(6)	N/27/0113	296109280114P	61	T031/072	PLATE: TMS-CM 10-50 YEL	3EHP416008P0001	CLW/ES/3/0154/Q	01	250.00	266.00
				T031/072	PLATE: TMS-CM 10-50 YEL.	3EHP416008P0001		01	250.00	NIL
				B031/072	PLATE: TMS-CM 10-50 YEL.	3EHP416008P0001		01	NIL	266.00
					<b>SET OF NON-METALLIC SLEEVES</b>					
88					<b>a) SET OF NYLON SPACER</b>					
(1)	N/1/0115	296107600114P	61	T030/675	FILLER SIZE 16 BLUE	HBTB415309P0001	CLW/ES/3/0154/Q	01	36.00	36.00
				T030/675	FILLER SIZE 16 BLUE	HBTB415309P0001		01	36.00	NIL
				B030/675	FILLER SIZE 16 BLUE	HBTB415309P0001		01	NIL	36.00
(2)	N/2/0115	296107710114P	61	T030/075	FILLER SIZE 12 YELLOW	HBTB415309P0002	CLW/ES/3/0154/Q	01	77.00	77.00
				T030/075	FILLER SIZE 12 YELLOW	HBTB415309P0002		01	77.00	NIL
				B030/075	FILLER SIZE 12 YELLOW	HBTB415309P0002		01	NIL	77.00
89					<b>b) SET OF POLYAMIDE PROTECTION SLEEVE FOR CABLES</b>					

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(1)	N/3/0115	297204362214P	61	T031/498	EXP. INSULATED TUBE 11/22 PA	HBTB416099P0001	CLW/ES/3/0154/Q	22	375.00/391.00	375.00
				T031/498	EXP. INSULATED TUBE 11/22 PA	HBTB416099P0001		22	375.00/391.00	NIL
				B031/498	EXP. INSULATED TUBE 11/22 PA	HBTB416099P0001		22	NIL	375.00
(2)	N/4/0115	297204482214P	61	T033/066	EXP. INSULATED TUBE 30/52 PA	HBTB416099P0003	CLW/ES/3/0154/Q	22	354.00	354.00
				T033/066	EXP. INSULATED TUBE 30/52 PA	HBTB416099P0003		22	354.00	NIL
				B033/066	EXP. INSULATED TUBE 30/52 PA	HBTB416099P0003		22	NIL	354.00
(3)	N/5/0115	297204502214P	61	T033/064	EXP. INSULATED TUBE 8/15 PA	HBTB416099P0007	CLW/ES/3/0154/Q	22	107.00	107.00
				T033/064	EXP. INSULATED TUBE 8/15 PA	HBTB416099P0007		22	107.00	NIL
				B033/064	EXP. INSULATED TUBE 8/15 PA	HBTB416099P0007		22	NIL	107.00
(4)	N/6/0115	297204612214P	61	T033/065	EXP. INSULATED TUBE 18/32 PA	HBTB416099P0009	CLW/ES/3/0154/Q	22	42.00	42.00
				T033/065	EXP. INSULATED TUBE 18/32 PA	HBTB416099P0009		22	42.00	NIL
				B033/065	EXP. INSULATED TUBE 18/32 PA	HBTB416099P0009		22	NIL	42.00
(5)	N/8/0115	297204852214P	61	T030/825	EXP. INSULATED TUBE 10/15 PA	HBTB416099P0014	CLW/ES/3/0154/Q	22	55.00	55.00
				T030/825	EXP. INSULATED TUBE 10/15 PA	HBTB416099P0014		22	55.00	NIL
				B030/825	EXP. INSULATED TUBE 10/15 PA	HBTB416099P0014		22	NIL	55.00
(6)	N/9/0115	297204972214P	61	T030/521	EXP. INSULATED TUBE 14/20 PA	HBTB416099P0015	CLW/ES/3/0154/Q	22	25.00	25.00
				T030/521	EXP. INSULATED TUBE 14/20 PA	HBTB416099P0015		22	25.00	NIL
				B030/521	EXP. INSULATED TUBE 14/20 PA	HBTB416099P0015		22	NIL	25.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

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SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
(7)	N/10/0115	297205032214P	61	T029/265	EXP. INSULATED TUBE 22/35 PA	HBTB416099P0017	CLW/ES/3/0154/Q	22	415.00/432.50	415.00
				T029/265	EXP. INSULATED TUBE 22/35 PA	HBTB416099P0017		22	415.00/432.50	NIL
				B029/265	EXP. INSULATED TUBE 22/35 PA	HBTB416099P0017		22	NIL	415.00
(8)	N/11/0115	297205152214P	61	T030/826	EXP. INSULATED TUBE 28/40 PA	HBTB416099P0018	CLW/ES/3/0154/Q	22	50.00	50.00
				T030/826	EXP. INSULATED TUBE 28/40 PA	HBTB416099P0018		22	50.00	NIL
				B030/826	EXP. INSULATED TUBE 28/40 PA	HBTB416099P0018		22	NIL	50.00
(9)	N/12/0115	297205272214P	61	T033/067	EXP. INSULATED TUBE 70/91 PA	HBTB416099P0030	CLW/ES/3/0154/Q	22	2.00	2.00
				T033/067	EXP. INSULATED TUBE 70/91 PA	HBTB416099P0030		22	2.00	NIL
				B033/067	EXP. INSULATED TUBE 70/91 PA	HBTB416099P0030		22	NIL	2.00
(10)	N/13/0115	297209652214P	61	T019/039	EXP. INSULATED TUBE 6/10 PA	HBTB416099P0012	CLW/ES/3/0154/Q	22	6.00	6.00
				T019/039	EXP. INSULATED TUBE 6/10 PA	HBTB416099P0012		22	6.00	NIL
				B019/039	EXP. INSULATED TUBE 6/10 PA	HBTB416099P0012		22	NIL	6.00
(11)	N/19/0115	297209532214P	61	T024/125	PROTECTIVE TUBING (EXP. INSULATION TUBE 4/8 PA) FOR SB - 1/2	HBTB416099P0011	CLW/ES/3/0154/Q	22	NIL	NIL
				T024/125	PROTECTIVE TUBING (EXP. INSULATION TUBE 4/8 PA) FOR SB - 1/2	HBTB416099P0011		22	NIL	NIL
				B024/125	PROTECTIVE TUBING (EXP. INSULATION TUBE 4/8 PA) FOR SB - 1/2	HBTB416099P0011		22	NIL	NIL
90					c) POLYETHELENE SLEEVE					
(1)	N/15/0115	296107830114P	61	T031/121	END SLEEVE PG - 16 - PE	KN6726212P0016	CLW/ES/3/0154/Q	01	20.00	20.00
				T031/121	END SLEEVE PG - 16 - PE	KN6726212P0016		01	20.00	NIL
				B031/121	END SLEEVE PG - 16 - PE	KN6726212P0016		01	NIL	20.00
(2)	N/16/0115	296107950114P	61	T031/118	END SLEEVE PG - 29 - PE	KN6726212P0029	CLW/ES/3/0154/Q	01	100.00	100.00
				T031/118	END SLEEVE PG - 29 - PE	KN6726212P0029		01	100.00	NIL

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

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SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				B031/118	END SLEEVE PG - 29 - PE	KN6726212P0029		01	NIL	100.00
(3)	N/17/0115	296108010114P	61	T017/035	END SLEEVE PG - 36 - PE	KN6726212P0036	CLW/ES/3/0154/Q	01	2.00	2.00
				T017/035	END SLEEVE PG - 36 - PE	KN6726212P0036		01	2.00	NIL
				B017/035	END SLEEVE PG - 36 - PE	KN6726212P0036		01	NIL	2.00
(4)	N/18/0115	296108130114P	61	T016/202	END SLEEVE PG - 21- PE	KN6726212P0021	CLW/ES/3/0154/Q	01	3.00	3.00
				T016/202	END SLEEVE PG - 21- PE	KN6726212P0021		01	3.00	NIL
				B016/202	END SLEEVE PG - 21- PE	KN6726212P0021		01	NIL	3.00
91	N/0/0116	296950280114H		T016/004	PRIMARY VOLTAGE TRANSFORMER	3EHP585856R0001	CLW/ES/3/0009/B	01	1.00	1.00
				T016/004	PRIMARY VOLTAGE TRANSFORMER	3EHP585856R0001		01	1.00	NIL
				B016/004	PRIMARY VOLTAGE TRANSFORMER	3EHP585856R0001		01	NIL	1.00
92	N/0/0117	296900430114P		T016/007	PRIMARY CURRENT TRANSFORMER	HBTB585560R0021	CLW/ES/3/0013/B	01	1.00	1.00
				T016/007	PRIMARY CURRENT TRANSFORMER	HBTB585560R0021		01	1.00	NIL
				B016/007	PRIMARY CURRENT TRANSFORMER	HBTB585560R0021		01	NIL	1.00
93	N/0/0118	296950160114P		T019/001	PRIMARY CURRENT SENSOR	HET428008P0002	CLW/ES/3/0084/A	01	6.00	6.00
				T023/020	CURRENT SENSOR AUX. CONVERTER	HET428008P0002		01	2.00	NIL
				T021/008	CURRENT TRANSFORMER HARMONIC FILTER	HET428008P0002		01	2.00	NIL
				T021/001	PRIMARY CURRENT SENSOR LEM	HET428008P0002		01	2.00	NIL
				B023/020	CURRENT SENSOR AUX. CONVERTER	HET428008P0002		01	NIL	2.00
				B021/008	CURRENT TRANSFORMER HARMONIC FILTER	HET428008P0002		01	NIL	2.00
				B021/001	PRIMARY CURRENT SENSOR LEM	HET428008P0002		01	NIL	2.00
94	N/1/0118	296950040114P	69	T021/241	CURRENT SENSOR HOTEL LOAD SUPPLY ALONG WITH CONNECTOR	3EHN424026P0002	CLW/ES/3/0465/A	03	NIL/2.00	NIL
				T021/241	CURRENT SENSOR HOTEL LOAD SUPPLY	3EHN424026P0002		03	NIL/2.00	NIL
				B021/241	CURRENT SENSOR HOTEL LOAD SUPPLY	3EHN424026P0002		03	NIL	NIL
95	N/0/0119	296900920314P		T022/003	TRANSFORMER MODULE PRIMARY VOLTAGE	3EHP590547R0001	CLW/ES/3/0083/B	01	2.00	2.00
				T033/095	TRANSFORMER MODULE PRIMARY VOLTAGE	3EHP590547R0001		01	2.00	NIL
				B033/095	TRANSFORMER MODULE PRIMARY VOLTAGE	3EHP590547R0001		01	NIL	2.00
96	N/0/0120	296900790114C		T023/002	AUXILIARY TRANSFORMER 415V/110V ( TRANSFORMER TRANELLA 15)	3EHP590064R0015	CLW/ES/3/0098/B	01	1.00	1.00
				T023/002	AUXILIARY TRANSFORMER 415V/110V	3EHP590064R0015		01	1.00	NIL
				B023/002	AUXILIARY TRANSFORMER 415V/110V	3EHP590064R0015		01	NIL	1.00

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 & WAP-5  
FOR THE YEAR 2016-2017**

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SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
97	N/0/0122	295000350114P		T026/001	TEMPERATURE SENSOR OIL CIRCUIT TRANSFORMER	3EHN424142R3000	CLW/ES/3/0033/G	01	2.00	2.00
				T017/199	TEMPERATURE SENSOR ALONG WITH CONNECTOR	3EHN424142R3000		01	2.00	NIL
				B017/199	TEMPERATURE SENSOR ALONG WITH CONNECTOR	3EHN424142R3000		01	NIL	2.00
98	N/0/0123	266103830114P		T032/010	DIAGNOSTIC TERMINAL	3EHP590524R0001	CLW/ES/3/0080/B	01	NIL	NIL
				T032/053	DIAGNOSTIC TERMINAL	3EHP590524R0001		01	NIL	NIL
				B032/053	DIAGNOSTIC TERMINAL	3EHP590524R0001		01	NIL	NIL
98a	N/1/0123	29171301014P		T032/424	DRIVER DISPLAY UNIT		CLW/ES/3/0487/C	01	2.00	2.00
99	N/0/0124	295001020114P		T031/001	CATENARY VOLTMETER	3EHP590546R0001	CLW/ES/3/0070	01	2.00	2.00
				T031/001	CATENARY VOLTMETER	3EHP590546R0001		01	2.00	NIL
				B031/001	CATENARY VOLTMETER	3EHP590546R0001		01	NIL	2.00
100	N/0/0125	295001260114P		T031/005	VOLTMETER BATTERY	3EHP590545R0001	CLW/ES/3/0073	01	2.00	2.00
				T031/005	VOLTMETER BATTERY	3EHP590545R0001		01	2.00	NIL
				B031/005	VOLTMETER BATTERY	3EHP590545R0001		01	NIL	2.00
101	N/0/0144	296400400314P	64	T023/019	TIME RELAY FOR MR BLOWER WITH AUX. CONTACTS CONSISTING OF (i) CONTACTOR / RELAY (1 NO.) (ii) TIME DELAY MODULE (1 NO.)	(i) HBTB585683R4227 (ii) 3EHP590028R0003	CLW/ES/3/0012/D	03	2.00	2.00
				T023/179	TIME RELAY MR BLOWER CONSISTING OF (1)CONTACTOR/RELAY (2) TIME DELAY MODULE	(i) HBTB585683R4227		03	1.00	NIL
				T023/032	TIME RELAY MR BLOWER CONSISTING OF (1)CONTACTOR/RELAY (2) TIME DELAY MODULE	(i) HBTB585683R4227		03	1.00	NIL
				B023/179	TIME RELAY MR BLOWER CONSISTING OF (1)CONTACTOR/RELAY (2) TIME DELAY MODULE	(i) HBTB585683R4227		03	NIL	1.00
				B023/032	TIME RELAY MR BLOWER CONSISTING OF (1)CONTACTOR/RELAY (2) TIME DELAY MODULE	(i) HBTB585683R4227		03	NIL	1.00
102	N/0/0146	296111920114Y	62	T023/483	FERRITE CORE FOR BUR - 1/2	HIES419087P0001	CLW/ES/3/0431	01	12.00	12.00
				T023/483	FERRITE CORE FOR BUR - 1/2	HIES419087P0001		01	12.00	NIL
				B023/483	FERRITE CORE FOR BUR - 1/2	HIES419087P0001		01	NIL	12.00
103	N/0/0148	297710180114P	77	T023/499	CAPACITOR FOR BUR INPUT SNUBBER FOR BUR - 1/2	HIES309976P0001	CLW/ES/3/0448	01	3.00	3.00
				T023/499	CAPACITOR FOR BUR INPUT SNUBBER FOR BUR - 1/2	HIES309976P0001		01	3.00	NIL

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

Doc. No. - ELDD/QR/18-09  
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SL. NO.	CATEGORY NO.	U.L. NO.	PROPOSED SUB-GROUPS OF U.L. NOS.	C&D NO.	DESCRIPTION	ABB IDENTIFICATION NO.	CLW SPECIFICATION NO.	UNIT	REQ. QTY/ LOCO WAG-9/WAP-7	REQ. QTY/ LOCO WAP-5
				B023/499	CAPACITOR FOR BUR INPUT SNUBBER FOR BUR - 1/2	HIES309976P0001		01	NIL	3.00

NOTE -

(A) MANUFACTURING SPARES ARE TO BE PROVIDED FOR THE FOLLOWING ITEMS :-

(i) 5% FOR ITEMS AT SL. NO. 22 , 23 , 24 , 24a , 24b ( ALL SOCKETS AND PINS UNDER THE HEADING " SET OF CONNECTORS " ) , 26 , 31,34,35,36,37,38,39,40,41 , 86 , 87 , 89 & 90 .

(ii) 50 % FOR BULBS OF HEAD LIGHT AGAINST ITEM SL. NO. 32 .

(B) UNIT CODES USED IN THIS CATEGORY BOOKLET ARE DETAILED AS UNDER;

01 - NUMBER, 03 - SET, 06 - ROLL ,12 - GRAMME, 13 - KILOGRAMME , 22 - METRE , 51 - LITRE

(C) ALL ITEMS ARE TO BE DRAWN BY SHOP NO ELS - 19 UNLESS OTHERWISE MENTIONED.

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**WAG-9/WAP-7 &WAP-5**  
**FOR THE YEAR 2016-2017**

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Version- 0.14  
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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
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WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

REMARKS
02 nos. are to be drawn for fitting in A.C. systems in the Locos.

Prepared by  
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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
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FOR THE YEAR 2016-2017**

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Version- 0.14  
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WAG-9/WAP-7 &WAP-5  
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REMARKS
Procurement is to be done clubbing the requirement against WAG-7/WAP- 4 Loco (against Cat.No.P/1/0020).

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WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

<b>REMARKS</b>
<b>01 no is to be drawn for fitting in A.C. systems in the Locos.</b>
<b>01 no is to be drawn for fitting in A.C. systems in the Locos.</b>

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**CATEGORY 'N' BOOK OF ELECTRICAL ITEMS OF 3-PHASE LOCOS TYPE-  
WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

REMARKS
<p><b>Procurement to be done clubbing with Conventional Loco Requirement (against Conventional Cat. No. P/2/0237).</b></p>
<p><b>01 metre is to be drawn for fitting in A.C. systems in the Locos.</b></p>

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WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

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REMARKS
Procurement to be done clubbing with Conventional Loco Requirement (against Conventional Cat. No. P/2/0029)
Procurement to be done clubbing with Conventional Loco Requirement (against Conventional Cat. No. P/3/0029)

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WAG-9/WAP-7 &WAP-5  
FOR THE YEAR 2016-2017**

REMARKS
Procurement to be done clubbing with Conventional Loco Requirement (against Conventional Cat. No. P/4/0029)

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