

VALIDITY	FROM	TO	MASTER LIST NO	VERSION No: 13
	02.07.2020	31.03.2021	ICF/ELEC/I-2	AMENDMENT No:1

ICF/ELEC/I-2
VERSION : 13
Amendment 1



ICF VENDOR LIST
FOR ELECTRICAL ITEMS
(VALID UPTO 31-03-2021)

SIGNATURE	
ISSUED BY	CDE / ELEC

INTEGRAL COACH FACTORY
CHENNAI - 600 038

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1. THE MASTER LIST OF VENDORS VALID UPTO 31STMARCH 2021FOR ELECTRICAL ITEMS FOR PASSENGER COACHES. THE SPECIFICATION / DRAWING NUMBER OF EACH OF THE ITEMS HAS BEEN GIVEN IN COLUMN NO. 3 ALONG WITH DESCRIPTION
2. APPROVED VENDORS FOR MANUFACTURE AND SUPPLY OF ITEMS / EQUIPMENTS ARE PUT IN COLUMN No. 4. VENDORS FOR DEVELOPMENT ORDERS ARE PUT IN COLUMN No. 5
3. THE MASTER LIST IS DIVIDED IN FIVE CHAPTERS CONSISTING OF PART A - ROOF ITEMS, PART B - CAB & CUBICLE ITEMS, PART C - UNDER FRAME ITEMS, PART D - COMMON ITEMS AND PART E - PANTRY ITEMS
4. CURRENCY OF TYPE TEST APPROVAL IS MANDATORY. FIRMS AND INSPECTING AUTHORITY SHALL ENSURE THE SAME.
5. ALL THE SPECIFICATIONS AND DRAWINGS MENTIONED SHOULD BE READ WITH LATEST ALTERATION ONLY.
6. AUTHORIZED AGENTS OF APPROVED SOURCES, WHENEVER INDICATED IN THEIR LIST IS NOT BINDING. ITEMS CAN BE PROCURED FROM ANY AUTHORIZED AGENT OF THE APPROVED FIRM.
7. LATEST AMENDMENTS TO THIS DOCUMENT CAN BE SEEN ON "www.icf.indianrailways.gov.in"
8. THIS VENDOR LIST IS VALID FROM 06.05.2020AND IS VALID TILL 31.03.2021. IF THERE IS ANY CHANGE IN THE LIST, THE DATE OF EFFECT WILL BE MENTIONED IN BRACKETS.
9. **CATEGORY IS INDICATED AS PA FOR PASSENGER AMENITY, C&V FOR CRITICAL & VITAL AND SAFETY.**

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PART - A:- ROOF ITEMS

1.0	LIGHT FITTINGS AND LAMPS:-				
1.1	SAFETY 33580509	SIDE LAMP FOR GUARD'S COMPT - IRS CA EF 636 , ICF/SK 7-6-024 SIDE LAMP 110 V TO SKEL - 4094	1.KRISHNA METALLURGICAL WORKS, CHENNAI 2. KAMLESH INDUSTRIES, MUMBAI		
1.2	PA 33566732	SET OF DIFFUSERS TO LW76012, Alt. 'b, LW76056, Alt. 'b'	1. TEKNOWARE OY FINLAND 2. MOHAN RAIL COMPONENTS (P) LTD.,KAPURTHALA 3.RAILTECH TECHNOLOGIES PVT. LTD,KAPURTHALA 4. D.R. AUTO, NEW DELHI		

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2.0	LED BASED LIGHT FITTINGS:-					
2.1	PA 30768767 30768779 30768810 30768780 30768792 30768809 30768834 33719834 33718854 33719883 33719858 33647604 33769837 31760340	ENERGY EFFICIENT LED BASED LUMINAIRE UNIT TO SPEC. No. RDSO/PE/SPEC/TL/0091 (Rev.1) - 2016.	1. ENSAVE DEVICES PVT. LTD, MUMBAI 2. D.R. AUTO INDUSTRIES, NOIDA 3. RT VISION TECHNOLOGIES PVT. LTD, DELHI 4. K-LITE INDUSTRIES, CHENNAI 5. INTRA ELECTRONICS, PUNE(W.E.F 12/05/2020)	1. IGLOW LIGHTING SOLUTIONS PVT. LTD., MUMBAI 2. MIKA ENGINEERS, AAGHAI 3. DEVINTEC ELECTRICAL TECHNOLOGIES PVT LTD, PUNJAB 4. K.R.INDUSTRIES, MUMBAI	ALL THESE SOURCES ARE ELIGIBLE TO SUPPLY OTHER LED BASED LIGHT FITTINGS AS MENTIONED IN SL.NO.2.2,2.3,2.4,2.5 AS PER THEIR APPROVAL STATUS OVER AND ABOVE SOURCES INDICATED THEREUPON.	
2.2	PA 33719810 33719809 33769849 33642400 33769187	LED BASED BERTH READING LIGHT AS PER SPEC No. RDSO/PE/SPEC/TL/0091 (Rev.1)- 2016	1.AGASTYA TECHNOLOGY AND TRANSMISSION PVT. LTD., CHENNAI	1. HY-TECH POWER SYSTEM*, HYDERABAD	* REVALIDATION TESTING TO BE DONE.. THE SOURCES AGAINST SL.NO.2.1 ARE ALSO ELIGIBLE TO SUPPLY THIS ITEM AS PER THEIR APPROVAL STATUS	

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2.3	SAFETY 30768792	LED BASED PASSENGER ALARM INDICATION AS PER SPEC No. RDSO/PE/SPEC/TL/0091 (Rev.1)-2016	1.AGASTYA TECHNOLOGY AND TRANSMISSION P. LTD., CHENNAI	1.MAAVE ELECTRONICS PVT LTD*, HYDERABAD 2.ALTO ELECTRONICS*, PUNE 3.FRONTLINE ELECTRONIC SYSTEMS*, HYDERABAD	* REVALIDATION TESTING TO BE DONE.. THE SOURCES AGAINST SL.NO.2.1 ARE ALSO ELIGIBLE TO SUPPLY THIS ITEM AS PER THEIR APPROVAL STATUS
2.4	PA 30768858 30768937 30768925 30768962	LED BASED NIGHT LIGHT CUM BERTH INDICATION LIGHT FITTING. AS PER SPEC No. RDSO/PE/SPEC/TL/0091 (Rev.1)-2016	1.AGASTYA TECHNOLOGY & TRANSMISSION PVT LTD, CHENNAI 2. INTRA ELECTRONICS, PUNE	1. MAAVE ELECTRONICS PVT. LTD*, HYDERABAD 2.FRONTLINE ELECTRONIC SYSTEMS, HYDERABAD	* REVALIDATION TESTING TO BE DONE.. THE SOURCES AGAINST SL.NO.2.1 ARE ALSO ELIGIBLE TO SUPPLY THIS ITEM AS PER THEIR APPROVAL STATUS
2.5	PA 33769308 33760032	LED BASED TOILET OCCUPIED LIGHT FITTING AS PER SPEC No. RDSO/PE/SPEC/TL/0091 (Rev.1)-2016	1.RAMYAA ELECTROGEAR PRIVATE LIMITED*, CHENNAI 2.AGASTYA TECHNOLOGY AND TRANSMISSION P. LTD., CHENNAI		* REVALIDATION TESTING TO BE DONE.. THE SOURCES AGAINST SL.NO.2.1 ARE ALSO ELIGIBLE TO SUPPLY THIS ITEM AS PER THEIR APPROVAL STATUS

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2.6	SAFETY 30767544	LED TYPE EMERGENCY LIGHT UNIT FOR SELF-GENERATING CONVENTIONAL COACHES RDSO/PE/SPEC/AC/ 0180-2016 (REV.0) WITH RDSO DRG. NO. RDSO/PE/SK/TL/0180-2016(REV.0) SHEET NO. 1&2	<ol style="list-style-type: none"> 1. IC ELECTRICALS, HARIDWAR 2. MAAVE ELECTRONICS, HYDERABAD 3. DR AUTO INDUSTRIES, NOIDA 4. A PAUL SOFTWARE SYSTEMS PVT LTD, DELHI. 5. INSTAPOWERTD., ROORKEE 6. INTRA ELECTRONICS, PUNE 7. GENERAL AUTO ELECTRIC CORPORATION, MUMBAI 8. V.G.S. TECHNOLOGIES, HYDERABAD 9. ARECA EMBEDDED SYSTEMS PVT. LTD., HYDERABAD 10. ASSOCIATED LIGHTING SYSTEM PVT. LTD., REHMAPUR, UTTARAKHAND 	<ol style="list-style-type: none"> 1. RT VISION TECHNOLOGIES PVT LTD, DELHI 2. CONCORD CONTROL SYSTEMS PVT. LTD., LUCKNOW 3. DAN ELECTRONICS SYSTEM PVT. LTD., NEW DELHI# 4. SARANYA ELECTRONICS PVT. LTD. HYDERABAD# 	#APPROVED WITH ICF SPECN. NO. ICF/ELEC/917 REV.1. HOWEVER, REVALIDATION IS PENDING AS PER RDSO/PE/SPEC/AC/ 0180-2016 (REV.0) WITH RDSO DRG. NO. RDSO/PE/SK/TL/0180-2016(REV.0) SHEET NO. 1&2.
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2.7	SAFETY 33566800	EMERGENCY LIGHT UNIT FOR LHB EOG COACHES RDSO/PE/SPEC/AC/ 0180-2016 (REV.0) WITH RDSO DRG. NO. RDSO/PE/SK/TL/0181-2016(REV.0) SHEET NO. 1&2	1. DR AUTO INDUSTRIES#, DELHI 2. INTEG ELECTRONICS , NEW DELHI 3. INTRA ELECTRONICS, PUNE 4. MAAVE ELECTRONICS, HYDERABAD 5. VGS TECHNOLOGIES, HYDERABAD	1. A PAUL SOFTWARE SYSTEMS PVT LTD, DELHI. 2. ARECA EMBEDDED SYSTEMS PVT. LTD., HYFERABAD 3. RT VISION TECHNOLOGIES PVT LTD,,DELHI 4. CONCORD CONTROL SYSTEMS PVT. LTD., LUCKNOW 5. PRECISION SAFETY EQUIPMENT LTD., DELHI@ 6. DHINGRA ENGG. WORKS, NEW DELHI#@ 7. DAN ELECTRONICS SYSTEM PVT. LTD., NEW DELHI@	# SISTER/ ALLIED CONCERN (REF: RB LETTER NO. 2005/ELECT (TRS)/441/10 PT. DT. 02.05.2006. @APPROVED WITH ICF SPECN. NO. ICF/ELEC/917 REV.1. HOWEVER, REVALIDATION IS PENDING AS PER RDSO/PE/SPEC/AC/ 0180-2016 (REV.0) WITH RDSO DRG. NO. RDSO/PE/SK/TL/0181-2016(REV.0) SHEET NO. 1&2.
2.8	SAFETY 33580650	TAIL LIGHT LED TYPE WITH FLASHER UNIT&VHF CHARGING SOCKET TO DRG.No.LP-7-3-200, ALT.C TO RCF SPEC. EDTS 215, AMENDMENT 1	1. D.R.AUTO INDUSTRIES,DELHI 2. DHINGRA ENGINEERING WORKS,DELHI	1. ALTOS ELECTRONICS, PUNE 2. ELECTRONIC EQUIPMENT CO., KOLKATA	

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2.9	PA	LED BASED TUBE LIGHTS AND LAMPS FOR RETROFITMENT OF FL, CFL & INCANDESCENT BULBS ICF/ELEC/960, Rev.0,CS1 , CS2,CS3	1. PREMIER COMBINES, CHENNAI (KWIKLITE BRAND) (ALL TYPES) 2. ENSAVE DEVICES PVT. LTD., MUMBAI(ALL TYPES)	1. LORD KRISHNA ELECTRONIC INDUSTRIES,NEW DELHI (ALL TYPES) 2. RT VISION TECHNOLOGIES PVT. LTD. DELHI (ALL TYPES) 3. DEVINTEC ELECTRICAL TECHNOLOGIES PVT.LTD, PUNJAB (TYPE A,C)# 4. SYSKA LED LIGHTS PVT LTD.,PUNE(TYPE A,B,C) # 5. MIKA ENGINEERS, AAGHAI (TYPE A,C)# 6. I GLOW LIGHTING SOLUTIONS PVT LTD, THANE (TYPE A,B)# 7. INTRA ELECTRONICS, PUNE (TYPE A)# 8. SIGNIFY INNOVATIONS INDIA LTD.(PHILIPS BRAND)(TYPE A)# * 9. GOLDWYN LTD, NOIDA (TYPE C)# 10. D.R. AUTO INDUSTRIES, NOIDA (TYPE A,B,C)# \$ ^ 11. K-LITE INDUSTRIES, CHENNAI (TYPE A,B)# \$ 12. GREEN PEARL ELECTRONICS PVT.LTD, CHENNAI (TYPE A)#	# The firms are approved only for type indicated within the brackets \$ approved with External drivers only ^Type C (CFL)pin arrangement shall be corrected as per CS-3 * Type A (2 feet tube) pin arrangement shall be corrected as per CS-3
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3.0		RAILWAY CARRIAGE FAN				
3.1	PA 45979753 45960628 45979455 45180891 45180933 45180908	RAILWAY CARRIAGE FAN (110V AC/DC AND 140V AC) TO IS 6680-1992 WITH ANNEX H (REVISED IN DEC. 2005) WITH ICF ANNEXURE-1, CS-1 -225MM BRACKET FAN - 300MM FIXED TYPE -400MM FIXED / SWIVELING TYPE (BOTH FRP & MS BLADE)	1. LIGHT ENGG.CORPN (24V & 110V DC, 110 V & 140 V AC), JALANDHAR 2. SARIA INDUSTRIES CORPN.(110V DC, 110V AC & 140V AC), HOWRAH 3.S P J INDUSTRIES (110V DC, 110V AC & 140V AC), KOLKATTA 4. RAIL COACH ENGINEERS* (110V DC,), KAPURTHALA, PUNJAB # 5. K.D.CHOPRA & CO., (110V DC), KOLKATA	1. RAIL COACH ENGINEERS (110V AC), KAPURTHALA # 2. R.KANWAR ELECTRICALS (110V DC With FRP Blade only), NOIDA # 3. KALSII ELECTRICALS PVT LTD (110V DC/ AC, 140 V AC), JALANDHAR# 4. VIDISHA ELECTRICALS PVT. LTD., KOLKATTA (110V DC, 110 V & 140 V AC) 5. LAKSHMI INDUSTRIES, CHENNAI	*REVALIDATION DUE # <i>PROTOTYPE TO BE DONE FOR 225MM BRACKET FAN</i>	

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3.2	PA 45177521	BRUSHLESS SENSORLESS DC RAILWAY CARRIAGE FAN TO RDSO SPEC. NO. RDSO/PE/SPEC/TL/0021/2005 (REV. 3) WITH AMENDMENT NO.1	<ol style="list-style-type: none"> 1. CG POWER AND INDUSTRIAL SOLUTIONS LTD, PITHAMPUR (60000) 2. R. KANWAR ELECTRICALS, NOIDA (21600) 3. GENERAL AUTO ELECTRIC CORPORATION, MUMBAI 4. LIGHT ENGG. CORP., KAPURTHALA 5. KAPSONS INDUSTRIES LTD., JALANDHAR 6. CONCORD CONTROL SYSTEM PVT. LTD., LUCKNOW 7. ELECTRONIC EQUIPMENT CO. PVT. LTD, KOLKATA 8. IMT CABLES PVT. LTD. , NEW DELHI 9. LUCAS TVS LTD., CHENNAI 10. SPJ INDUSTRIES (P) LTD, KOLKATA 11. ARSH INDUSTRIAL SOLUTIONS PVT. LTD, PITHAMPUR 	<ol style="list-style-type: none"> 1. ORIENT ELECTRIC, KOLKATA 2. ELECTROWAVES ELECTRONICS PVT. LTD., PARWANOO 3. RT VISION TECHNOLOGIES (P) LTD., DELHI 4. SARIA INDUSTRIES CORPN., HOWRAH 	
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3.3	PA 45180702	R.C.FANS 110V/140V AC 450 MM SWEEP TO RDSO SPEC - RDSO/PE/SPEC/TL/0050-2010, REV-1	1.S.P.J. INDUSTRIES (P) LTD., KOLKATTA 2. SARIA INDUSTRIES CORPN., HOWRAH	1. LIGHT ENGINEERING CORPN., JALANDHAR 2. VIDISHA ELECTRICALS PVT. LTD, KOLKATTA	
3.4	PA 45180611	AXIAL FAN 110V AC 50HZ - ICF/SK-7-6-177 (IS:3588)	1. EBM-NADI INTERNATIONAL PVT. LTD, CHENNAI 2. KONTACT CONSORTIUM INDIA PVT LTD (HICOOL MAKE), CHENNAI		
3.5	C&V 33580339 33566707	DOUBLE INLET (TYPE I) AND SINGLE INLET (TYPE II) CENTRIFUGAL BLOWER ASSEMBLY to RCF Spec. No. EDTS 331. Cor-3	1. ARIHANT ELECTRICALS, DELHI (FOR ROSENBERG MAKE) 2. INTEG ELECTRONICS, NEW DELHI 3.KONTACT CONSORTIUM INDIA PVT LTD, CHENNAI (EYYANI ELECTRICAL MACHINES MAKE)		
3.6	PA	UNIVERSAL BRUSHLESS SENSORLESS RAILWAY CARRIAGE FAN (110V AC / 110V DC)	1 .LUCAS TVS, CHENNAI 2.CG POWER AND INDUSTRIAL SOLUTIONS LTD., PITHAMPUR		

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4.0	SWITCHES:-				
4.1	C&V	MODULAR SWITCHES TO IS 3854 &, DRGS. NO. ICF/SK-7-4-001,ICF/SK-7-4-011,ICF/SK-7-4-012	1.CRABTREE 2.ASIAN ART INDUSTRIES (RECORD BRAND) 3.CPL	1. ESS ESS KAY ENGG CO. PVT LTD, KAPURTHALA 2. ALEMAC ELECTRICAL PVT. LTD, MUMBAI 3. OSWIN INDUSTRIES, MUMBAI	
4.2	C&V 42021741 42021765	TOGGLE SWITCH 15A, 250V AC/DC DRG.NO.ICF/SK-7-4-002 ALT 'G'.	1. ESSEM ENGINEERING CO, CHENNAI 2. R.G. KESHWANI INDUSTRIES, CHENNAI 3. SWITCHON INDUSTRIES, MUMBAI	1.MADAN BROTHERS, NEW DELHI	

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4.3	C&V 33765467 33764992 33763331 33763320 33641572 33760068 33768146 33768973 33769692 33982661	SET OF SWITCH PLATE ASSEMBLY TO VARIOUS EDML SPECIFICATIONS	1. JAGAN GOPALA & CO., CHANDIGARH (ESS ESS KAY MAKE SWITCH) 2.. KAVERI INDUSTRIES, NEWDELHI(ESS ESS KAY MAKE SWITCH) 3. ESS ESS KAY, KAPURTHALA 4 . KUMRA ELECTRIC STORE, , KAPURTHALA(ESS ESS KAY MAKE SWITCH) 5. VIVEK INDUSTRIAL PRODUCTS, KAPURTHALA (ESS ESS KAY MAKE SWITCH) 6 CRABTREE 7.ASIAN ART INDUSTRIES (RECORD MAKE SWITCH) 8. CPL 9. ANISH ELECTRICALS, CHENNAI (RECORD MAKE SWITCH) 10.KONTACT CONSORTIUM (INDIA) PVT LTD, CHENNAI (SALZER MAKE SWITCH)	1. INTERNATIONAL SWITCHGEARS, CHANDIGARH. (ESS ESS KAY MAKE SWITCH) 2.ALEMAC ELECTRICAL PVT LTD, MUMBAI	
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5.0	RMPU/RMVU					
5.1		ROOF MOUNTED AC PACKAGE UNIT FOR DOUBLE DECKER EOG AC COACHES. RDSO/PE/SPEC/AC/ 0134 - 2009 (REV.'0')	<u>REFER RDSO LATEST VENDOR LIST</u>			
5.2		415 V, 3-PHASE INDUCTION MOTOR FOR ROOF MOUNTED AC PACKAGE UNITS. RDSO/PE/SPEC/AC/ 0089 (REV. '0') WITHAMENDMENT 1 & 2	<u>REFER RDSO LATEST VENDOR LIST</u>			
5.3		DRY TYPE AIR FILTER FOR AIR CONDITIONED COACHES UNDERSLUNG& CONVENTIONAL RMPU RDSO/PE/SPEC/AC/0055-2003 (REV. "2") WITH DRAWING NO. RDSO/PE/SK/AC/0057-2003 (REV'2') SHEET 1 OF 2 & RDSO/PE/SK/AC/0057-2003 (REV'2') SHEET 2OF 2.	<u>REFER RDSO LATEST VENDOR LIST</u>			
5.4		ROOF MOUNTED AC PACKAGE ELPS/SPEC/AC/03/(REV.2)WITH AMENDMENTNO.1 &2	<u>REFER RDSO LATEST VENDOR LIST</u>			
5.5		AC CONTROL PANEL FOR ROOF MOUNTED AC PACKAGE UNITS ELPS/SPEC/AC/ 04 (REV.3) WITH AMENDMENT NO. 1	<u>REFER RDSO LATEST VENDOR LIST</u>			

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5.6		ELECTRONIC TIME DELAY RELAY FOR AC COACHES RDSO/PE/SPEC/AC/0060- 2004, REV. '0'	<u>REFER RDSO LATEST VENDOR LIST</u>		
5.7		DRY TYPE AIR FILTER FOR LHB RMPU RDSO/PE/SPEC/AC/0055-2003 (REV. "2") WITH DRAWING NO. RDSO/PE/SK/AC/0073-2004 (REV'1') & DRAWING NO. RDSO/PE/SK/AC/AC/0074-2004 (REV'1')	<u>REFER RDSO LATEST VENDOR LIST</u>		
5.8		MICROPROCESSOR CONTROLLER FOR ROOF MOUNTED AC PACKAGE UNIT FOR LHB COACHES AND DOUBLE DECKER COACHES RDSO/PE/SPEC/AC/ 0139 - 2009 (REV. '1')	<u>REFER RDSO LATEST VENDOR LIST</u>		
5.9		ROOF MOUNTED AC PACKAGE UNIT FOR LHB VARIANT AC COACHES. RDSO/PE/SPEC/AC/ 0061 - 2005 (REV.'1')	<u>REFER RDSO LATEST VENDOR LIST</u>		

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

5.10	PA 31760454 31760624 31760636	ROOF MOUNTED VENTILLATION UNIT	1. FAIVELEY TRANSPORT RAIL TECHNOLOGIES INDIA LTD,* HOSUR 2. SIDWAL REFRIGERATION INDUSTRIES PVT. LTD,* FARIDABAD 3. AMIT ENGINEERS,BADDI	1. LLOYD ELECTRIC & ENGINEERING LTD,* BHIWADI 2.VAPCON MANUFACTURING ENGINEERS,PALGHAR	* PROTO TYPE TESTING TO BE DONE
6.0	OTHER ROOF ITEMS				
6.1	C&V 45978311	HYD. LIFTING PLATFORM ICF/ELEC/OHE/001. Rev.1	1. HYDRAULIC ACTUATORS PVT LTD, CHENNAI 2. ORIONE HYDRAULICS P.LTD, BELGAUM	1. VANJAX SALES (P) LTD, CHENNAI 2. BEMCO JACKS & ALLIED, BELGAUM 3. VISGO HANDLINGS, CHENNAI	
6.2	C&V 45014450	EMERGENCY FEED TERMINAL(FRP-SMC)- GS 7-5-004/ COL-1	1.ORIENTAL INSULATORS, FARIDABAD, HARYANA 2.JANGDA ELECTRIC IND, MUMBAI 3.KAMLESH INDUSTRIES, MUMBAI	1.ROTATORY ELECTRICALS, HARIDWAR 2.CSM ENGINEERS, FARIDABAD	
6.3	C&V 31710300 31710311 31710323	BRAIDED CU. STRIP - ICF/SK 7-2-487, Alt. b, ITEM 1, 2 & 3	1. BALAJI ENGINEERING WORKS, CHENNAI 2. KAMLESH INDUSTRIES, MUMBAI	1. SHANTHI ENGINEERING WORKS,MUMBAI 2. L.D.BHATTAR & CO, KOLKATTA	

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

6.4	SAFETY 33580388	SMOKE DETECTOR UNIT TO SPEC. No. EDTS-087	1. PRECISION SAFETY EQUIPMENT, NEWDELHI 2. AGNI INSTRUMENTS ENGINEER INDIA (P) LTD., DELHI 3. INTEG ELECTRONICS, NEW DELHI	1. ABITRON INDIA MUMBAI # 2. SUBTRONICS (INDIA) PVT. LTD., MUMBAI #	# APPROVAL FOR REVALIDATION IS PENDING AS PER REV B.	
6.5	30767040	TWIN BEAM HEAD LIGHT WITH 24 V HALOGEN LAMPS TO ELRS/SPEC/PR/0024, REV.1, SEPT- 2004 FOR EMU's & MEMU's	<u>REFER CLW LATEST VENDOR LIST</u>			
6.6	31920706	PANTOGRAPHS FOR FREIGHT LOCOS(AC APPLICATIONS) TO RDSO/2008/EL/SPEC/0066 REV.0 DT.20/06/2008 AND AMENDMENT 1 DATED 31/12/2018	<u>REFER CLW LATEST VENDOR LIST</u>			
6.7		SPARES FOR AM12OR IR01 OR PAN 01 TYPE PANTOGRAPH TO RDSO/2008/EL/SPEC/0066 REV.0 DT.20/06/2008 AND AMENDMENT 1 DATED 31/12/2018	<u>REFER CLW LATEST VENDOR LIST</u>			

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

6.8		METALISED CARBON STRIP FOR PANTOGRAPHS	<u>REFER CLW LATEST VENDOR LIST</u>			
6.9	31920809	VACCUM CIRCUIT BREAKER(SINGLE BOTTLE) TO CLW/ES/C-47	<u>REFER CLW LATEST VENDOR LIST</u>			
6.10	31726318	CABLE HEAD TERMINATION SYSTEM TO ELRS/SPEC/BL/0003 REV.1 AND AMENDMENT1 DEC2008	<u>REFER CLW LATEST VENDOR LIST</u>			

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	
PART - B:- CAB & CUBICLE ITEMS						
1.0	MINIATURE CIRCUIT BREAKERS & FUSE					
1.1	SAFETY 45145799 45145805 45145015 31920986 45145854 45144989 45144990 45145880 45974536	MCB AC SP/DP/TP (AC 250V/440V) - IS/IEC-60898-1 (2002)	1. LEGRAND 2. SIEMENS 3. SCHENIDER	1.INDO ASIAN 2.HAVELLS		
1.2	SAFETY 42088446 45146457 45146482 45146494	LOW VOLTAGE FUSE LINK & HRC FUSE HOLDER TO IEC:60269-2-1/IS: 13703-1993	1. SIEMENS 2. L&T 3. C & S 4. BUSSMANN 5. KEL	1. R.B.COMMERCIAL CORPORATION		
2.0	ROTARY SWITCHES , ROTARY SWITCH BOXES & PANELS					
2.1	C&V	ROTARY SWITCH 16 A TO 500 A TO IS 13947 PART - III	1. SALZER 2. L&T 3. SWITCHON (UPTO 100A) 4. KAYCEE INDUSTRIES, MUMBAI			

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

2.2	C&V 30726578 30726890	PRE-WIRED POWER PANEL FOR SG TYPE AC COACHES TO ICF SPEC NO: ICF/ELEC-874, REV.A DRG. No. WGACCN 7-2-002, WGSCWAC7 7-2-703 POWER PANEL TO ICF DRG No. WGACCN-7-2-007, Alt. b, ALONG WITH 5 KVA TRANSFORMER WITH FILTER TO SPEC No. ICF/ELEC/906, Rev.1, TYPE-II	1.KONTACT CONSORTIUM INDIA PRIVATE LTD, CHENNAI 2. RAMYAA ELECTRO-GEAR PRIVATE LIMITED, CHENNAI 3. BHAVITRON POWERTEC PVT. LTD., CHENNAI	1. AMBIGO ELECTROTECH, CHENNAI 2. RICHMOND ENTERPRISES PVT. LTD, COIMBATORE	
2.3	C&V 33580613 33580625 33566752 33566768	CONTROL PANEL FOR VENT FAN, BATTERY CHARGING & RADIATOR FAN TO SPEC. No. EDTS-110, EDTS116,EDTS114 & EDTS-168	1. INTERNATIONAL SWITCHGEARS (P) LTD., CHANDIGARH 2. ABROL ENGG. CO., KAPURTHALA 3.NEC SWITCHGEARS & CONTROL, CHANDIGAR	1. INDO RAIL ENGINEERING SYSTEM PVT LTD., MOHALI 2. RAMYAA ELECTROGEAR PVT. LTD., CHENNAI 3.BHAVITRON POWERTEC, CHENNAI 4.RICHMOND ENTERPRISES PVT. LTD, COIMBATORE (W.E.F.08/06/2020)#	#PROTOTYPE TO BE APPROVED FOR EDTS-110, EDTS 116 & EDTS-168
2.4	33580595	SWITCH BOARD CABINET FOR LHB EOG AC COACHES. RDSO/PE/SPEC/AC/ 0184-2015(REV.0)	<u>REFER RDSO LATEST VENDOR LIST</u>		

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

2.5	33580637	SWITCH BOARD CABINET FOR AIR-CONDITIONING OF LHB POWER CAR EDTS 104 REV. 'D', AMENDMENT '5'	<u>REFER RDSO LATEST VENDOR LIST</u>		
2.6	33580352	SWITCH BOARD CABINET FOR LHB AC POWER CAR FOR 2X500 KVA DA SET EDTS 103 REV. 'D', AMENDMENT '7'	<u>REFER RDSO LATEST VENDOR LIST</u>		
2.7	33640695	SWITCH BOARD CABINET FOR LHB SG AC COACHES EDTS 144	<u>REFER RDSO LATEST VENDOR LIST</u>		
2.8		SWITCH BOARD CABINET FOR LHB AC HOT BUFFET COACH TO EDTS 134 REV 'D' AMENDMENT'5'	<u>REFER RDSO LATEST VENDOR LIST</u>		
2.9	33580455	SET OF PANELS FOR LHB EOG NON AC COACHES. EDTS 355 REV. 1, AMENDMENT 1 & 2	<u>REFER RDSO LATEST VENDOR LIST</u>		
2.10		SWITCH BOARD CABINET FOR EOG TYPE DOUBLE DECKER COACHES. EDTS 327 REV. A CORR-1, AMENDMENT '1'	<u>REFER RDSO LATEST VENDOR LIST</u>		

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

3.0 OTHERS CAB & CUBICLE ITEMS						
3.1	C&V 45150254	INTER VEHICLE COUPLERS - ICF/SK/ 7-5-053,Col I & II, Alt. i, Type A,B,C, D & E - ICF/ SK 7-5-054, Col -I, Alt. j	1. R.K.ELECTRICS & ENGG.INDUSTRIES, KOLKATA 2. KRISHNA METALLURGICAL WORKS, CHENNAI 3. S. INTERNATIONALS, MUMBAI	1. URBAN TEKNO- SYSTEMS PVT. LTD., KOLKATA 2. MAA LAXMI INDUSTRY, KOLKATA		
3.2	SAFETY 45158368	SWITCH ALARM TO - EMU/M 3-5- 297, COL 1, Alt. g	1.KRISHNA METALLURGICAL WORKS, CHENNAI 2. VAANAVIL ENTERPRISES, CHENNAI	1. GUNAM ENGINEERING		
3.3	C&V 33641717	JUMPER CABLE WITH CONNECTOR / INTER COACH COUPLER FOR PA SYSTEM TO DRG. NO. LW 75206, Alt. 'C'	1.KONTACT CONSORTIUM INDIA PRIVATE LTD., CHENNAI 2. S. INTERNATIONALS, MUMBAI 3. PUNJAB RADIO, JALANDHAR 4.PROZONE,JALANDHAR 5.MV ELECTROSYSTEM, FARIDABAD 6. LIGHT ENGINEERING CORPORATION, KAPURTHALA			

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

3.4	PA 33769904 33769953 33566653	PA SYSTEM TO SPEC No. EDTS-173	1. PUNJAB RADIO, JALANDHAR 2. PROZONE, JALANDHAR 3.AHUJA 4 .PHILIPS		
3.5	31716076	ADVANCED AUTOMATIC WARNING SYSTEM TO RDSO SPEC. No. SPN/213/2014 VERSION 1.0 WITH ICF ANNEXURE-01	<u>REFER RDSO (S&T) LATEST VENDOR LIST</u>		

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	
PART - C:- UNDERFRAME ITEMS						
1.0	TRANSFORMERS:-					
1.1	C&V 30712002	5KVA TRANSFORMER- ICF/ELEC/906, Rev. 1	<ol style="list-style-type: none"> 1. RAMYAA ELECTRO-GEAR PRIVATE LIMITED, CHENNAI 2. BHASIN PACKARD, MOHALI 1 3. VIMAL TRANSFORMER, MORADABAD (U.P.) 4. ELECTROWAVES ELECTRONICS P. LTD., PARWANOO 	<ol style="list-style-type: none"> 1. AMBIGO ELECTROTECH, CHENNAI 2. KONTACT CONSORTIUM INDIA PRIVATE LTD, CHENNAI 3. BHAVITRON POWERTEC PVT.LTD,CHENNAI 		
1.2	C&V 45217452	DISTRIBUTION TRANSFORMER 3KVA TO RDSO SPEC. EL/EOG/4/74 WITH ICF CS-1	<ol style="list-style-type: none"> 1. BHAVITRON POWERTEC PVT. LTD., CHENNAI 2. BHASIN PACKARD, MOHALI 3. VIMAL TRANSFORMER, MORADABAD (U.P.) 4. ELECTROWAVES ELECTRONICS P. LTD., PARWANOO 	<ol style="list-style-type: none"> 1. RAMYAA ELECTROGEAR PVT. LTD., CHENNAI 		

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

1.3	C&V 45178082	AMALGAMATED TRANSFORMER (BATTERY CHARGER) TO RCF SPEC NO. EDTS 041 REV.A AND AMENDED AS PER DY.CEE/D'S NO. MD/DSS/SPEC/211 DT 11.09.01	1.RAMYAA ELECTROGEAR PRIVATE LIMITED#, CHENNAI 2. BHAVITRON POWERTEC PVT. LTD#, CHENNAI		# DENOTES APPROVAL FOR MS & SS ENCLOSURES
1.4	C&V 47160196	60 KVA TRANSFORMER FOR AC COACHES RDSO/PE/SPEC/AC/ 0080-2007 (REV. 2)	1. VIMAL TRANSFORMER, MORADABAD # 2. RAMYAA ELECTRO GEAR PVT. LTD, CHENNAI #	1. AUTOMATIC ELECTRIC LTD. MUMBAI # 2. ZEN POWER, THANE #	# - REVALIDATION TO BE DONE FOR REV-2
1.5	C&V 47160184	9 KVA TRANSFORMER FOR NON-AC COACHES RDSO SPECIFICATION NO. RDSO/PE/SPEC/TL/ 0158-2010 (REV.1)	1.VIMAL TRANSFORMER CORPORATION, MORADABAD 2. RAMYAA ELECTROGEAR PVT. LTD., CHENNAI	1. RISHAB INDUSTRIES, PUNE 2. ZEN POWER, THANE	
1.6	80980340	INHIBITED OIL FOR CONVENTIONAL LOCO TO IS 12463-1988	<u>REFER RDSO LATEST VENDOR LIST</u>		
2.0	INVERTERS:-				
2.1	31790331	25 KVA UNDER SLUNG INVERTER RDSO/PE/SPEC/AC/0024- 2001 (REV-0) WITH AMENDMENT NO. 2.	<u>REFER RDSO LATEST VENDOR LIST</u>		

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	
3.0	BATTERY CHARGER					
3.1	C&V 33580534	EMERGENCY BATTERY CHARGER TO SPEC. No. EDTS 163	1. ELECTRO WAVES ELECTRONICS (P)LTD., PARWANOO 2. BHASIN PACKARD, MOHALI 3.M.B & COMPANY,HOWRAH	1. NAREN ELECTRONICS COMPANY, BANGALORE		
3.2	30711824	CONSTANT VOLTAGE AND CONSTANT CURRENT PRE-COOLING UNIT AND BATTERY CHARGER FOR SG AC COACHES RDSO SPEC NO. RDSO/PE/SPEC/AC/TL/ 0053 (REV. 0) AUG-2007 WITH AMNDT. 1 DT. 08.01.2010	<u>REFER RDSO LATEST VENDOR LIST</u>			
3.3	33718374	4.5 KW UNDERSLUNG CONSTANT VOLTAGE REGULATED CUM EMERGENCY BATTERY CHARGER FOR LHB COACHES TO RDSO/PE/SPEC/ AC/0183(REV.1)-2018	<u>REFER RDSO LATEST VENDOR LIST</u>			
3.4	C&V 33580613	STARTER BATTERY CHARGER 24V, 225AH TO EDTS 106	1. ELECTROWAVES ELECTRONICS (P) LTD., PARWANOO 2. BHASIN PACKARD, MOHALI	1. BHAVITRON POWERTEC PVT. LTD., CHENNAI 2.ELECTRIC INDUSTRIES, NEW DELHI		

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	
4.0	BATTERIES					
4.1	45170277	120 Ah (VRLA) RDSO/PE/SPEC/AC/0009 - 2014 (Rev. 2)	<u>REFER RDSO LATEST VENDOR LIST</u>			
4.2	45177764	1100Ah VRLA to RDSO/PE/SPEC/AC/0009 - 2014(Rev 2)	<u>REFER RDSO LATEST VENDOR LIST</u>			
4.3	45178641	650 Ah VRLA RDSO/PE/SPEC/AC/0009 - 2014 (Rev. '2')	<u>REFER RDSO LATEST VENDOR LIST</u>			
4.4	45170393	525 Ah RDSO/PE/SPEC/AC/0058-2005 (Rev. '0')	<u>REFER RDSO LATEST VENDOR LIST</u>			
4.5	45170344	800Ah RDSO/PE/SPEC/AC/0058-2005 (Rev. '0')	<u>REFER RDSO LATEST VENDOR LIST</u>			
4.6		450 Ah (MG AC Coaches) RDSO/PE/SPEC/AC/0058-2005 (Rev. '0')	<u>REFER RDSO LATEST VENDOR LIST</u>			
4.7	45178161	BATTERY FOR EMUS 90 AH (LM) (PPCP CONTAINER) RDSO/PE/EMU/SPEC/0014-2000 (REV. '0') WITH AMENDMENT NO. 1&2	<u>REFER RDSO LATEST VENDOR LIST</u>			
4.8		12 V, 70 AH VRLA RDSO/PE/SPEC/AC/0009 - 2014 (REV. '2')	<u>REFER RDSO LATEST VENDOR LIST</u>			

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	
4.9		LOW MAINTENANCE LEAD ACID BATTERIES WITH PPCP CELL ASSEMBLY HOUSED IN FRP OUTER CONTAINER FOR DIESEL ELECTRIC LOCOMOTIVES (8V, 450 AH LEAD ACID) - SPEC. NO. SPEC. NO. MP.0.24.00.65 (REV. 00) DEC. 2009	<u>REFER RDSO LATEST VENDOR LIST</u>			
5.0	ERRU					
5.1	45961440	ERRU FOR 4.5 KW ALTERNATOR TO RDSO/PE/SPEC/AC/ 0013-2011 (REV. '3')	<u>REFER RDSO LATEST VENDOR LIST</u>			
5.2	45157959	ERRU FOR 25 KW ALTERNATOR TO RDSO/PE/SPEC/AC/ 0013-2011 (REV. '3')	<u>REFER RDSO LATEST VENDOR LIST</u>			

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	
6.0	BRUSH LESS WITH RECTIFIER REGULATOR ALONG WITH BELT TENSIONING DEVICE					
6.1	C&V 45030819	4.5 KW 110/ 120 V DC TO RDSO/PE/SPEC/TL/ 0054-2003 ((REV.'0') WITH AMNDT. NO. 1 &2.	1. KEL, KUNDRA (1560 NOS.) 2. PRESSTECH (600 SETS) 3. BEST & CROMPTON (900 SETS) 4. IC ELECTRICAL (600 SETS) 5. HMTD ENGINEERING PVT LTD. 6. PD STEELS 7. STAR ELECTRIC COMPANY (600) 8. KAPSON INDUSTRIES PVT LTD 9.STESALIT LTD. , BADDI@	1. DISHITA ENTERPRISES PVT.LTD, HOWRAH. 2.GREEN POWER GENERATORS(P) LTD., FARIDABAD	@ PROTO TYPE TESTING TO BE DONE	
6.2	C&V 45030844	25 KW 110/130VDC ALTERNATOR RDSO/PE/SPEC/AC/ 0056-2014 (REV.'1')	1. KEL, KUNDRA (300 NOS.) 2. PRESSTECH (180 NOS) 3 IC ELECTRICAL# 4. HMTD ENGINEERING PVT LTD. 5. PD STEELS 6. BHEL ELECTRICAL MACHINES LTD. KASARAGOD (675 NOS.) 7. STESALIT LTD. , BADDI@	1. BEST & CROMPTON* (360 SETS)	# NOT FOR RRU *REVALIDATION AS PER REV. '1' SPECIFICATION IS PENDING @ PROTO TYPE TESTING TO BE DONE	

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

6.3	(A).BTD, SUSPENSION PIN FOR TL & AC COACHES. (B). AXLE/ALTERNATOR PULLEYS TO ELPS/SPEC/TL/13, MARCH 1998					
6.3a	C&V	FOR 4.5 KW ALTERNATOR	ALL THE SOURCES (BOTH APPROVED AND DEVELOPMENT) AS PER SL. No. 6.1 ABOVE SHALL BE TREATED EQUALLY IRRESPECTIVE OF THEIR APPROVAL STATUS			
6.3B	C&V	FOR 25 KW ALTERNATOR	ALL THE SOURCES (BOTH APPROVED AND DEVELOPMENT) AS PER SL. No. 6.3 ABOVE SHALL BE TREATED EQUALLY IRRESPECTIVE OF THEIR APPROVAL STATUS			
7.0	BEARINGS (TRACTION MOTOR ARMATURE)					
7.1	C&V	BEARING(67981/67919 & 67982/67919) FOR KOL.METRO(TRACTION MOTOR 3701 BX/BY)	1. TIMKEN INDIA LTD, DELHI 2. SKF TECH (INDIA) PVT. LTD, VADODARA @	1.SCHAEFFLER INDIA LTD., VADODARA @ 2.NATIONAL ENGINEERING INDUSTRIES, JAIPUR#	# SUBJECT TO PROTOTYPE CLEARANCE AND SUCCESSFUL COMPLETION OF FIELD TRIAL. @ SUBJECT TO SUCCESSFUL COMPLETION OF FIELD TRIAL	
8.0	ARMATURE BEARING GREASE					
8.1		TRACTION MOTOR 4601 AZ/BX/BW OF BHEL	<u>REFER RDSO LATEST VENDOR LIST</u>			
8.2		FUJI TM GGR 125ZY	<u>REFER RDSO LATEST VENDOR LIST</u>			
8.3		TDK 5620 A / BHEL3701 AZ AND 133 AY / 3601 AZ	<u>REFER RDSO LATEST VENDOR LIST</u>			

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

9	AXLE SUSPENSION BEARING OIL				
9.1		TDK 5620 A / BHEL 3701 AZ	<u>REFER RDSO LATEST VENDOR LIST</u>		
9.2		4601 AZ/BX/BW	<u>REFER RDSO LATEST VENDOR LIST</u>		
9.3		FUJI TM GGR 125ZY	<u>REFER RDSO LATEST VENDOR LIST</u>		
10.0	GEAR CASE OIL				
10.1		133 AY / 3601 AZ	<u>REFER RDSO LATEST VENDOR LIST</u>		
10.2		TDK 5620 / BHEL 3701 AZ	<u>REFER RDSO LATEST VENDOR LIST</u>		
10.3		4601 AZ/BX/BW	<u>REFER RDSO LATEST VENDOR LIST</u>		
10.4		FUJI TM GGR 125ZY	<u>REFER RDSO LATEST VENDOR LIST</u>		
11.0	DA SETS				
11.1	33681170	DA SET 500 KVA (336 KW), 750V, 3 PHASE TO RDSO/PE/SPEC/AC/0084-2008, REV.1 WITH ICF AM-1	<u>REFER RDSO LATEST VENDOR LIST</u>		
11.2	C&V 31711182	10 KVA DA SET TO SPEC No. ICF/ELEC/OHE/007, Rev.0, CS-01	1.AMPL CORPORATION PVT. LTD., JAIPUR (ESCORTS ENGINE AND KEC/STAMFORD ALTERNATOR) 2.DEEV GEN-SET SALES & SERVICES, VAPI (GREAVES ENGINE & CROMPTON GREAVES ALTERNATOR)		

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

12.0 OTHER UNDER FRAME ITEMS						
12.1	C&V	0.5 HP SELF PRIMING MONO BLOCK PUMP FOR WATER RAISING PURPOSE IN IR COACHES TO RDSO /PE /SPEC /AC /0022 (REV 0) SEPT 2002 WITH AM-1	1.KALSI METAL WORKS PVT.LTD, JALANDHAR 2. KAPSONS INDUSTRIES LTD, JALANDHAR 3. COIMBATORE COMPRESSOR ENGG. CO. PVT. LTD., COIMBATORE	1. FLOWTECH PUMPS & MOTORS,BANGALORE 2. STAR ELECTRIC COMPANY, LUDHIANA		
12.2	C&V 30906301	S, I & C PACK ELECTRIC TRCN. DMU / HHP - ICF/ MD/ Spec/097D (Rev 1)CS -1	1. CG POWER AND INDUSTRIAL SOLUTIONS LTD, MANDIDEEP 2.BHARAT HEAVY ELEC LTD			
12.3	C&V 31716027	MOTOR CONNECTION BOX - ICF/SK 7-1-470, Alt. d	1. TUFLAM POLYMERS, CHENNAI 2. PLASTICS & FIBRE INDS., CHENNAI	1. KAMLESH INDUSTRIES, MUMBAI 2. KONTACT CONSORTIUM INDIA PRIVATE LTD., CHENNAI 3. ORIENTAL INSULATORS, FARIDABAD		

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

12.4	SAFETY 30710959 31710086 31710098 31710104 31710116 31710128 31710130 31710141 31710153	FRP CLEATING ARRANGEMENT EMU / M2 7-2-529 DMU/DPC/7-1-004 EMU/M2/7-1-529 ICF/MRVC/M-7-1-013 ICF/MRVC/M/BT 7-1-009 DMU/DPC-7-1-018 WGFAC12-7-1-204	1.ORIENTAL INSULATORS, FARIDABAD 2.KONTACT CONSORTIUM INDIA PRIVATE LTD., CHENNAI	1. CSM ENGINEERS, FARIDABAD	
12.5	C&V 33580522 33566793 33718015	BATTERY FUSE BOX to DRAWING No. LW 71001 Alt 'g' and LW 71002 Alt 'g'	1. RICHMOND ENTERPRISES, COIMBATORE 2.KONTACT CONSORTIUM INDIA PRIVATE LTD., CHENNAI 3. INTERNATIONAL SWITCHGEARS (P) LTD. CHANDIGARH 4. NEC SWITCH GEARS AND CONTROLS, CHANDIGARH 5. ABROL ENGG. CO.,KAPURTHALA	1. INDO RAIL ENGINEERING SYSTEM PVT LTD,MOHALI 2. LIGHT ENGINEERING CORPN,KAPURTHALA 3. RSI SWITCH GEAR PVT LTD,ALWAR 4. ESS ESS KAY ENGG CO. PVT LTD, KAPURTHALA 5. INTEG ELECTRONICS, NEW DELHI	

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

12.6	C&V 33580558 33650580	FEEDER JUNCTION BOXES TO SPEC Nos. EDML 020, EDML 021, EDTS 328	1. INTERNATIONAL SWITCHGEARS (P) LTD. CHANDIGARH 2.MAA LAXMI INDUSTRY,HOWRAH 3. NEC SWITCH GEARS AND CONTROLS,CHANDIGARH 4. ABROL ENGG. CO.,KAPURTHALA 5.ELECOS ENGINEERS PVT LTD,KOLKATTA 6. LIGHT ENGINEERING CORPN, KAPURTHALA 7. S. INTERNATIONALS, MUMBAI	1. SIDWAL REFIRGERATION INDUSTRIES, FARIDABAD 2. ESS ESS KAY ENGG CO. PVT LTD,KAPURTHALA# 3. HIND RECTIFIERS LTD, MUMBAI	#PROTOTYPE TO BE APPROVED FOR EDML 020, EDML 021
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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	
12.7	C&V 31760752 31760776 31760740 31760764 31760727 31710621 31760739 31760648 31711406 31760650 31711418 31760508 31760480 31760491 31760478 31711315 31711157 31711200 36717022 31710827 31710815 31710803 31710797 31760533 31760521 31711339 31760715 31760703 31160580 31711467 31710591 31711510 31711522 31711509 31711534	SUPPLY & INSTALLATION OF ELECTRICAL CABLE TRAY AND ITS ACCESSORIES INCLUDING HARDWARE AND SET OF CLAMPS FOR SELF PROPELLED COACHES AS PER VARIOUS ICF DRAWINGS AND SPECIFICATIONS	1.RIGHT ENGINEERING, CHENNAI 2.SRINIVASA ENTERPRISES, CHENNAI 3.MDM ENGINEERING AND TECHNOLOGY, CHENNAI 4.SRIRAM ENTERPRISES, CHENNAI 5. KONTACT CONSORTIUM INDIA PVT. LTD., CHENNAI	1. NEW CHENNAI TURRET PUNCH CO., CHENNAI.		

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

12.8	C&V 33571363 33550529 33999557 33980720 33719871 33580820 33980007 33710077	CABLE DUCT FOR LHB COACHES LWSCZAC-7-1-002 LWLRRM-7-1-002 LGS/EOG-7-1-002	1.RAILTECH TECHNOLOGIES PVT. LTD, KAPURTHALA 2. MDM ENGINEERING & TECHNOLOGIES PVT. LTD. CHENNAI 3. CHENNAI RADHA ENGINEERING WORKS, CHENNAI 4. SRINIVASA ENTERPRISES,CHENNAI	1. RIGHT ENGINEERING, CHENNAI 2. SHARUNI ENGG WORKS,CHENNAI	
12.9	C&V 33566689	PUMP WITH CONTROLLER to EDTS-186, Rev.A, Am-2	1. KALSI METAL WORKS, JALANDHAR 2. KAPSONS INDUSTRIES LTD., JALANDHAR 3. D.R.AUTO IND. DELHI 4. LIGHT ENGINEERING CORPORATION, KAPURTHALA (W.E.F 26/06/2020)	1.STAR ELECTRIC COMPANY, LUDHIANA 2. COIMBATORE COMPRESSOR ENGG CO.PVT LTD., COIMBATORE 3. FLOWTECH PUMPS & MOTORS,BANGALORE	
12.10	C&V 75018378	ENDLESS V BELT FOR RAILWAY COACHES SIZE C 122 & C 84 TO RDSO/PE/SPEC/AC/ 0059-2004 (REV. '0') WITH AMENDMENT NO 1	1. J. K. FENNER INDIA LTD., MADURAI (898000) 2. VINKO AUTO INDUSTRIES LTD., JALANDHAR (412500) 3. PIX TRANSMISSION LTD., NAGPUR (300000)	1. OMFA RUBBERS LIMITED, NOIDA (480000) 2. JYOTI RUBBERS (P) LTD., UP (624000) 3. AKAASH BELTING PVT.LTD, PUNJAB	

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

12.11	33641110	ZS COUPLING 400A, 750V, 3 PHASE FOR BIO-TOILET COACHES TO EDTS-105, REV.E, AM-1, 2 & 3	<u>REFER RDSO LATEST VENDOR LIST</u>		
12.12	33996921 33996933	ZS COUPLING 500A, 750V, 3 PHASE TO RDSO/PE/SPEC/AC/0177, REV.0-2013	<u>REFER RDSO LATEST VENDOR LIST</u>		
12.13	C&V 33580753	WHEEL SET EARTHING EQUIPMENT TO EDTS 101, REV.C, AM-1, COR-3	1. CHANDA & CHANDA, HOWRAH 2. DARSHAN ENTERPRISES, DELHI 3. MAA LAXMI, HOWRAH 4. PRIME ELECTRONICS, SONEPAT 5. S. INTERNATIONALS, MUMBAI	1. SEIGHNEUR, NEW DELHI 2. NANDRATAN FOUNDRY & ENGINEERING WORKS, MUMBAI	
12.14	C&V 30710552 30710864 31711224	BATTERY CHARGING SOCKET AND FUSE BOX TO DRG ICF/SK3 - 7-1-055, EMERGENCY FEED TERMINAL BOX TO DRG ICF/SK3-7-1-057, BATTERY FUSE CUM CHARGING BOX TO ICF/SK3 -7-1-082.	1. GLOBAL ENGINEERING AND PROCESS,* CHENNAI 2. KAMLESH INDUSTRIES, MUMBAI	1. ABROL ENGG CO. PVT. LTD.,* KAPURTHALA 2. TECHNOCRAFT,* KOLKATA 3. ORIENTAL INSULATORS, FARIDABAD	* PROTO TYPE TESTING TO BE DONE # APPROVED FOR BATTERY CHARGING SOCKET & FUSE BOX TO DRG ICF/SK3 - 7-1-055 ONLY.

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

12.15	C&V 33503580 33503592	CAPACITOR BANK FOR LHB EOG COACHES TO EDML 130	1. TRINITRON CONTROL SYSTEMS ,NOIDA 2.KONTACT CONSORTIUM INDIA PVT LTD, CHENNAI 3. RAMYAA ELECTROGEAR PVT. LTD., CHENNAI 4. S. INTERNATIONALS, MUMBAI 5. ELECOS ENGINEERING PVT LTD, KOLKATTA 6. NEC SWITCH GEARS AND CONTROLS, CHANDIGARH	1. INTERNATIONAL SWITCHGEARS, CHANDIGARH 2. RICHMOND ENTERPRISES PVT. LTD,COIMBATORE 3.ORIENTAL INSULATORS, FARIDABAD		
12.16	C&V 31711479	EXTERNAL SUPPLY SOCKET 125A, 415V, IP67, 5 POLE (3P+N+E)	1. MV ELECTROSYSTEMS PVT. LTD., FARIDABAD 2. ABROL ENGG. CO.,KAPURTHALA * (PALAZZOLI MAKE)	1.JAI BALAJI CONTROL GEARS,CHENNAI @	* SUBJECT TO PRODUCTION OF AUTHORIZATION OF OEM AGAINST EACH TENDER @ PROTO TYPE TESTING TO BE DONE.	

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

PART - D:- COMMON ITEMS

1.0	SAFETY 41096850 41096903 41097040 41097051 41097087	FRLT COTTON INSULATION TAPE- ICF ELEC 921 CS No.2, REV 0	1.PRS PERMACEL BRAND, CHENNAI 2.SNEHAM INTERNATIONAL, BELGAUM 3. CG-PPI ADHESIVE PRODUCTS, GOA		
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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

2.0	C&V 40124447 33620441 33622401 33622346 33622360 33999831 33999569	CABLE HARNESS . EDTS -176 Rev 'a', EDTS -181 Rev 'f' AM-1 EDTS - 208 Rev 'd' AM-1 EDTS- 216 Rev 'a' EDTS-251Rev 'a' EDTS -252 Rev 'h' corr-2 EDTS -253 Rev '1 WITH ICF AMENDMENT No. 1 EDTS -254 Rev 'h' corr-2 EDTS -255 Rev 'h' corr-2 EDTS -256 Rev 'h' corr-2 EDTS -257 Rev 'i' WITH ICF AMENDMENT No. 1 & 3 EDTS -259 Rev 'd' AM-1 EDTS -260 Rev 'd' AM-1 EDTS -263 Rev 'c' EDTS -264 Rev 'c' EDTS -271 AM-2 EDTS -316 Rev 'c' EDTS -319 Rev 'b' EDTS -320 Rev 'g' WITH ICF AMENDMENT No. 1 EDTS -323 EDTS -356 Rev 'a' WITH ICF AMENDMENT No. 1,2&3 EDTS -357 Rev 'a'	1. KONTACT CONSORTIUM INDIA PRIVATE LTD, CHENNAI 2. SIECHEM TECHNOLOGIES PVT. LTD., PONDICHERRY 3. PRICOL ENGG. INDUSTRIES LTD., COIMBATORE 4. INTERNATIONAL SWITCHGEARS, MOHALI 5. NEC SWITCHGEARS & CONTROLS,CHANDIGARH 6. ABROL ENGG. CO. PVT. LTD.,KAPURTHALA 7. ESS ESS KAY ENGG CO. PVT LTD,KAPURTHALA 8.INOVTECH, KAPURTHALA 9.MV ELECTROSYSTEM, FARIDABAD 10.METTLE POLYMERS ARTIFACTS LTD, KAPURTHALA 11.LIGHT ENGINEERING CORPN,KAPURTHALA 12.APAR INDUSTRIES LTD., VALSAD 13. D.R AUTO INDUSTRIES,DELHI(W.E. F.10/06/2020)	1. HUBER + SUHNER ELECTRONICS PVT. LTD., DELHI 2. RADIANT RSCC SPECIALITY CABLES PVT. LTD., HYDERABAD 3.ELECTROWAVES ELECTRONICS,PARWANOO 4..NEERA ENTERPRISES, CHANDIGARH 5.TECHNOROVER, KAPURTHALA 6.WINDSOR CABLES, DELHI 7. PD STEELS, MOHALI 8.TROLEX INDIA PVT LTD, BANGALORE	
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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

3.0	C&V	CRIMPING SOCKETS - IRS - E 301 & 304, EDTS 200, EDTS 201 ICF/SK / 7-2-166, ICF/SK / 7-2-604 ICF/SK / 7-2-528, MR/SK - 7-2-006		1.KAMLESH INDUSTRIES 2.DOWELLS 3. CHETNA ENGG. CO. 4. ASCON ENGINEERING INDUSTRIES		1. JAICO 2. JAINSON 3. SWASTIK 4. MULTI 5. KRISHNA METALLURGICAL WORKS	
		UL NO's OF CRIMPING SOCKETS					
		42410423	31726460	42409032	42410400	30726761	42408921
		42410447	42406808	42409275	42410459	31710426	42409056
		42410472	42970155	42410095	42410460	31710451	42409068
		42410502	31726616	42410125	42410496	31726586	42409070
		42410526	36700046	42410137	42410538	36700034	42409093
		42410540	36726047	42410149	42906283	42013793	42409100
		42410551	36726527	42410150	42970088	42406006	42409123
		42410563	36726667	42410162	42970131	42406109	42409184
		42410575	42403406	42410174	42970143	42407849	42410046
		42411014	42403509	42410186	42970192	42408805	42410058
		42411026	42403601	42410198	42970209	42408817	42410060
		42411038	42408829	42410241	42970234	42408830	42410071
		42411040	42408854	42410253	42970260	42408866	42410083
		42970295	42408969	42410265	42970271	42408878	42410113
		42970386	42408970	42410277	42970350	42408880	42410204
		42988743	42408982	42410289	42970374	42408891	42410216
		42410381	42408994	42410307	42981580	42408910	42410290
		42410411	42906260	42410320	42981621	42990397	
		42410344	42410393	42410370	42410368	42410319	

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4.0	SAFETY 31766420 33622700 36717034 33620325 33580716 33620301 31757340 33580480	CABLE JACKET TO SPEC. No. EDTS 138	1. TYCO 2. WERNER 3. PMA 4. FEDERAL MUGAL 5.MV ELECTRO SYSTEM PVT., FARIDABAD 6. INTERNATIONAL SWITCH GEARS PVT. LTD., MOHALI	1. S.D.ENTERPRISES, FARIDABAD)		
5.0	C&V 33701817 33709853 33709877 33709944 33709956 33709968 33709970	CABLE MARKING SYSTEM/ HEAT SHRINKABLE SLEEVES	1.TYCO 2.MV ELECTROSYSTEM PVT. LTD 3.PANDUIT INDIA PVT.LTD	1.PHOENIX 2.PARTEX 3. BRADY		

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	
6.0	CABLES					
6.1		THIN WALLED CABLES FOR CONVENTIONAL LOCOMOTIVES & EMUS/ COACHING STOCK (CHEMICAL CURING PROCESS / ELECTRON BEAM IRRADIATION CURING PROCESS)* ELRS/SPEC/ ELC/ 0019, REV '2' OF FEBRUARY 2011	<u>REFER RDSO LATEST VENDOR LIST</u>			
6.2		THIN WALLED CABLE FOR 3-PHASE LOCOMOTIVES SINGLE CORE CABLE CLW/ES/3/0458	<u>REFER RDSO LATEST VENDOR LIST</u>			
6.3		THIN WALLED CABLE FOR 3-PHASE LOCOMOTIVES MULTI CORE CABLE CLW/ES/3/0459	<u>REFER RDSO LATEST VENDOR LIST</u>			
6.4		SINGLE CORE & MULTI CORE HRPVC CABLES (FOR EMUS & COACHES) E-14/01 (REV.2) 1993 PART III	<u>REFER RDSO LATEST VENDOR LIST</u>			
6.5		SINGLE CORE & MULTI CORE (FOR LOCO & EMU) E-14/01 (REV.2) 1993 (PART I & II)	<u>REFER RDSO LATEST VENDOR LIST</u>			
7.0		FLEXIBLE POLYAMIDE CONDUIT WITH ITS ENDFITTINGS AND ACCESSORIES TO RDSO/PE/SPEC/AC/0138-2009(REV.1)	<u>REFER RDSO LATEST VENDOR LIST</u>			
8.0	C&V	TERMINAL CONNECTORS TO IEC 60947	1. WAGO 2. PHOENIX 3. WEIDMULLER			

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9.0	C&V 31902893 31760818	SUPPLY & INSTALLATION OF EPDM MODULAR BASED CABLE / PIPE SEALING SYSTEM	1. ROXTEC INDIA PVT. LTD.,* GURGOAN 2. WALLMAX INDIA ENTERPRISES, NEW DELHI *		* PROTO TYPE TESTING TO BE DONE
10.0	C&V 42319456 42319523 42318877	ALUMINIUM ALLOY CONDUIT OF THREADABLE QUALITY TO DESIGNATION 63400 OF TABLE-1 AND CONDITION T6 (NEW) OR WP (OLD) OF TABLE-2 OF IS: 1285	1. DECCAN EXTRUSIONS PVT. LTD.,* PONDICHERRY 2. ALOMEX PROFILES PVT. LTD.,* CHENNAI 3. P.P METALS & MFG. COMPANY,* CHENNAI 4. SATYA SURYA ALUMINIUM INDUSTRIES,* HYDERABAD 5. VALCO INDUSTRIES LTD.,* GANDHINAGAR		* PROTO TYPE TESTING TO BE DONE
11.0	C&V 40120340 40124034 40124078 40124125	CABLE TIES - NON RETURNABLE, SELF EXTINGUISHING TO OPERATING TEMPERATURE RANGE FROM -25 DEG TO +125 DEG	1. BLACK BURN & COMPANY PVT. LTD.,* KOLKATA 2. SURE LOCK PLASTICS PVT. LTD.,* MUMBAI	1. ASHWIN ELECTRO INDUSTRIAL CORP*, KOLKATA	* PROTO TYPE TESTING TO BE DONE

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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

12.0	C&V	TERMINAL STRIP ASSEMBLY TO SPEC Nos. EDML 014 EDML024 EDML 027 EDML 037 ICF/EDML-201 ICF/EDML-202 ICF/EDML-203 ICF/EDML-204 ICF/EDML-205 AND DRAWINGS CC72429 CC72428 LW76054 CC 72069 CC72070	1. INTERNATIONAL SWITCHGEARS PVT. LTD., MOHALI (WAGO, PHOENIX CONNECTOR) 2. KAVERI INDUSTRIES,NEW DELHI (WAGO CONNECTOR) 3. VAANAVIL ENTERPRISES, CHENNAI(WAGO, PHOENIX CONNECTOR) 4. NEC SWITCHGEARS &CONTROLS,CHANDIGARH (WAGO CONNECTOR) 5.INDIAN TELEPHONE AND ELECTRIC COMPANY,DELHI (WAGO CONNECTOR) 6. RICHMOND ENTERPRISES PVT. LTD., COIMBATORE (WAGO, PHOENIX CONNECTOR) 7. KONTACT CONSORTIUM INDIA PVT. LTD., CHENNAI (PHOENIX CONNECTOR)	1. RAMYAA ELECTROGEAR PVT. LTD.,CHENNAI (WAGO CONNECTOR)	
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S.No	CATEGORY & UL.NO	ITEM DESCRIPTION	APPROVED VENDORS	DEVELOPMENT VENDORS	REMARKS	

13.0	C&V 30760045 30767910 30767994 36710325 30711769 30711770 30711782 30711794 30716240 30756261 30768056 31710505 42087831 42087843 42981876 45960355 31760685 31710610 31711108 31740066 45146690 45961876	ROOF THROUGH BOX TO DRG NO EMU/DMC/AC/76011 MCB BOXES TO IS: 8623 ALL JUNCTION BOXES	1. GLOBAL ENGINEERING AND PROCESS, CHENNAI 2. GUNAM ENGINEERING ENTERPRISES, CHENNAI 3. VAANAVIL ENTERPRISES, CHENNAI 4. RICHMOND ENTERPRISES PVT. LTD., COIMBATORE 5. KRISHNA METALLURGICAL WORKS, CHENNAI 6. RAMYAA ELECTROGEAR PVT. LTD., CHENNAI 7.MACHINERY AGENCIES, CHENNAI	1. ABROL ENGG. CO. PVT. LTD., KAPURTHALA 2. KAMLESH INDUSTRIES, MUMBAI 3. A.R. ENGG. WORKS, BANGALORE 4. MODERN FABRICATORS, CHENNAI 5. KONTACT CONSORTIUM INDIA PVT. LTD., CHENNAI	
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PART-E, PANTRY EQUIPMENTS

1.0	C&V 33635213	MODULAR INTEGRATED PANTRY UNIT FOR BUFFET COACHES TO RCF Spec. No..EDTS 118 FOR LHB	1. VISHAL GAS SERVICES, TELENGANA 2.S.D.ENGINEERS, SILVASSA 3.SPECTRUM SCIENTIFIC PVT LTD, MUMBAI	1.KONTACT CONSORTIUM INDIA PRIVATE LTD, CHENNAI 2.SIDWAL REFIRGERATION INDUSTRIES, FARIDABAD 3. POOJA ENTERPRISES, HYDERABAD 4.UNIVERSAL ENGINEERS CHENNAI PVT LTD, CHENNAI	
2.0	C&V 33997100 33635330	COMPOSITE PANTRY FOR CHAIR CAR/ECC/ ACCN/ ACCW TO RCF SPEC NO. EDTS 130 & EDTS 139	1. VISHAL GAS SERVICES, TELENGANA 2.S.D.ENGINEERS, SILVASSA 3.SPECTRUM SCIENTIFIC PVT LTD, MUMBAI 4.SIDWAL REFIRGERATION INDUSTRIES, FARIDABAD 5.SUPER REFRIGERATION INDUSTRIES, NEW DELHI	1. .KONTACT CONSORTIUM INDIA PRIVATE LTD*, CHENNAI 2. UNIVERSAL ENGINEERS CHENNAI PVT LTD , CHENNAI 3. POOJA ENTERPRISES, HYDERABAD	