



Modern Coach Factory Raebareli

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

REV NO: 01

DATE: 17.04.2018

ROLLING STOCK CERTIFICATE

Rolling Stock Certificate No.: MCF/RBL/QC/RSC/2019-20/829

RLY	C	R	-	Coach No.	1	9	6	9	0	1	/	C	DATE OF DISPATCH	3	0	-	0	9	-	1	9
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DISPATCH TO	SSE/STOCK/CSTM	Type	L	W	A	C	C	W	Shell No.	9	3	2	5	8	FUR.NO.	L2T(T)-84
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1. Railway Board's Order No. : 2019/M(C)/142/2, Dated- 03.06.2019
2. Tare Weight of Coach : 44.5 Tonnes
3. Carrying Capacity : (a) Seating: 52 (b) Sleeping: 52 (c) Luggage: NIL
4. **Special feature**

- A- Due to fitment of L3T roof in L2T shell, more space available in transverse side.
 B- Extend linen room to accommodate the space NPP end (width 270 mm)
 C- Height (from floor level to ceiling) raised from 2250mm to 2510mm.
 C1- Gap extend between transverse side upper berth and ceiling from 830mm to 894mm.
 C2- Gap extend between transverse side lower berth and upper berth from 920mm to 1065mm.
 C3- Gap extend between transverse side floor level to lower berth from 420mm to 465mm.
 D- Provision of sliding cum sleeping berth. (MAKE- M/S- ANANYA RAIL COACH COMPONENTS IND.LLJ)
 E- Choke of 5/6 mm in DV side replace with 9 mm in both type (KBI & Faiveley) letter no. MC/LHB/Brake, Dated 27.09.2018

F - RFID (Radio frequency identification) fitted for traceability of coach

5. SHELL LEADING DIMENSIONS:

S NO	DESCRIPTION	DIMENSION (MM)
1.	Maximum length over body	23700
2.	Maximum width over body	3240
3.	Maximum height from Rail Level	4039
4.	CBC height/Buffer height from Rail level 1105 +0/-10	1) 1100 (NPPE) 2) 1101 (PPE)

6. TRACEABILITY OF SHELL ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Under frame	Front	PP END M/S- DTL
		Part	NPP END M/S- DTL
		Complete	M/S- DTL
2.	Lav. side wall	M/S- RAIL TECH, KXH	LAV.1 - LAV.2 -
		M/S- RAIL TECH, KXH	LAV.3 - LAV.4 -
3.	Side wall	LH SIDE	M/S-ECBT CHANDIGARH
		RH SIDE	M/S-ECBT CHANDIGARH
4.	End wall	PP END	M/S- RAIL TECH, KXH
		NPP END	M/S- RAIL TECH, KXH
5.	Roof	M/S-ECBT	52
6.	Centre Buffer Coupler	M/S- ESCORT	PP END 1680 NPP END 1637

7. AIRBRAKE TEST REPORT:

S NO	ITEM	DESCRIPTION	SPEC. VALUE	OBSERVED
1.	Full brake application	➤ Reduce pressure of BP from 5.0 to 3.4 kg/cm ² . ➤ Max. pressure in BC ➤ All Brake are applied	6 - 10 sec. 3.0 ±0.15 kg/cm ² . OK	07 sec. 3.0 kg/cm ² OK
2.	Insensitivity	➤ Exhaust BP @ 0.3 kg/cm ² /min.	No brake application	OK
3.	Sensitivity	➤ Exhaust BP @ 0.1 kg/cm ² /Sec, after 06 Sec.	Brake must apply	OK

8. PAINTING DETAILS:

S NO	DESCRIPTION	TYPE OF PAINT	MAKE	APPLICATION BY MCF/ CONTRACTOR(SUPPLY & APPLY)	AVERAGE GLOSS VALUE	DATE OF COMPLETION
1.	Paint	P.U	M/S -BERGER	(SUPPLY & APPLY)	91/89	10.09.19
2.	Insulation			Satisfactory		

Signature
 SSE/QC/MCF/RBL

गुणवत्ता विभाग
 १०/११/२०१९, रायबरेली (लाहौज)



गुणवत्ता / Quality



MODERN COACH FACTORY, RAEBARELI

आधुनिक रेल डिब्बा कारखाना, रायबरेली

DOC NO.: MCF/RBL/QMF 8002

REV NO.: 01

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DISPATCH	SSE/STOCK/CSTM	Type	L	W	A	C	C	W	Shell No.	9	3	2	5	8	FUR.NO	L2T-T-84
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9. DETAIL OF BOGIES:

ITEMS	NPP Side				PP Side			
Bogie No	191219				191220			
Bogie Type	FIAT				FIAT			
Frame no.	WIL-412				WIL-433			
Bolster no.	AMIT-450				AMIT-464			
Axle No	19 R - 2347 RWF		19 R - 6583 RWF		19 R - 7051 RWF		19 P - 2263 RWF	
Wheel Dia.	917.684	917.592	917.676	917.61	917.641	917.573	917.573	917.552
Wheel Disc No	TZ 06-19 55930-9QJ2	TZ 06-19 53420-9QJ5	TZ 06-19 53419-9QJ5	TZ 06-19 54227-9QJ1	TZ 06-19 56965-9QL0	TZ 05-19 51217-9PG7	TZ 03-19 30703-9MG2	TZ 05-19 50423-9P11
R.B. Nos.	07-19-19554	07-19-18604	07-19-19458	07-19-18162	07-19-21021	07-19-19508	07-19-20023	07-19-19698
CT R B Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	

10. SECONDARY SUSPENSION LOAD DEFLECTION VALUES :-

DESCRIPTION	Bogie NPP side		Bogie PP side	
	Secondary 1	Secondary 2	Secondary 1	Secondary 2
Make & Nos.	TAYAL & CO. Sr.NO.19-08 2917	TAYAL & CO. Sr.NO.19-08 2918	TAYAL & CO. Sr.NO.19-08 2885	TAYAL & CO. Sr.NO.19-08 2902

11. TRACEABILITY OF BOGIE ITEMS :-

S. NO	ITEM	MAKE/SUPPLIER	SERIAL NO.	
			NPP SIDE	PP SIDE
1.	Yaw Damper	KNORR	21037,21042	21041,21031
2.	Primary outer Spring	CMFSK	03-19 7411-545(1978,1845,2013,1820)	03-19 7411-545(1819,196,91864,1815)
3.	Primary Inner Spring	CMFSK	06-19 1038-559(1585,1886,1210,1513)	06-19 1038-559(131,91484,1494,1553)
4.	Primary Damper	KONI	03-19 (08050,8077,08009,08076)	03-19 (08062,08072,08033,08044)
5.	Secondary Damper	KONI	04-19 (05993,04323)	04-19 (3795,05896)
6.	Lateral Damper	GABRIEL	11-18 1222	11-18 1479
7.	Brake Cylinder	FAV	C19(668,479,525,673)	E19(459,557,457,528)
8.	Brake Caliper	FAV	E19(1908,1906,1967,1969)B	E19(948,946,1729,1731)B
9.	Brake Disc	KBI	24193649 0067-20/19,24193649 0041-28/19 24193649 0033-28/19,24193659 004730/19	24193649 0018-28/19,24193644 0072-28/19 24195447 0051-30/19,24195446 0027-30/19
10.	Ball Joint Control Arm	GMT		
11.	Lateral Bump Stop	AR		
12.	Traction Centre make	SARITA		
13.	Traction lever make	SARITA		
14.	Ball joint traction lever	BASANT/GMT		
15.	Ball joint traction centre	GMT		
16.	Leveling Valve	KNORR	06-19 A 10621,06-19 A 10060	06-19 A 10604,06-19 A 10071
17.	Check Valve	KNORR	02-19 16400	02-19 16408
18.	Anti roll bar Make	EMSON		
19.	Roll Link make	SARITA/AR		
20.	Fork make	EMSON		
21.	Control Arm Upper	RVE/NIPHA	240619-2,020619-2,290619-2,140619-3	190,0050,0070,0187
22.	Control Arm Lower	RVE/NIPHA	RVE,0406193,020619-3,080619-3	0238,0210,0501,0509
23.	Phonic Wheel	FAV	FT/KEP/2019	FT/KEP/1

Signature of SSE/Bogie/QC



MCF/RBL



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RLY

C

R

-

Coach No.

1

9

6

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1

/

C

DATE OF DISPATCH

3

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9

DISPATCH TO

SSE/STOCK/CSTM

Type

L

W

A

C

C

W

Shell No.

9

3

2

5

8

FUR.NO.

L2T(T)-84

12. TRACEABILITY OF FURNISHING ITEMS

12. TRACEABILITY OF FURNISHING ITEMS:

S NO	ITEM	MAKE/SUPPLIER	SERIAL NO
1.	Air Brake Module	M/S - FAIVELY TRANS. TECH.INDIA LTD BADDI(HP)	D19070B
2.	Distribution valve	M/S - FAIVELY TRANS. TECH.INDIA LTD BADDI(HP)	18115596B
3.	Pull box	M/S- KBI, FARIDABAD	
4.	Foot Step	M/S- SUPER SPARK PVT.LTD.FARIDABAD	
5.	D-coupling arrangement	M/S-ELASTOMER LINING WORKS, MUMBAI	
6.	Floor board	M/s- SHRI RAM PANELS, PUNJAB	
7.	PVC	M/S RESPONSIVE IND.MUMBAI	
8.	UIC Vestibule (PPE)	M/S-SUNCREST IND.KOLKATA	
9.	UIC Vestibule (NPPE)	M/S-SUNCREST IND.KOLKATA	
10.	Gangway bridge mounting (PPE)	M/s- MAHAVEER METAL WORKS, KXH	
11.	Gangway bridge mounting (NPPE)	M/s- MAHAVEER METAL WORKS, KXH	
12.	Body Side Window	M/S-RELIABLE SAFETY GLASS LTD, NOIDA	
13.	Emergency Window	M/S-RELIABLE SAFETY GLASS LTD, NOIDA	
14.	Hopper Window	M/S- SHATABDHI SAFETY GLASS, VADODARA	
15.	Roof Ceiling	M/s-MSL (MOBILITY SOLUTION LTD.) MOHALI	
16.	Door way /gang way ceiling	M/s-GANDHI SAFE INDS,JALNDHAR	
17.	Automatic smoke & heat Detection with alarm System	M/S- SANROK ,FARIDABAD	
18.	Supply Air Duct	M/S- P.D.STEELS PKL	
19.	Partition panel	M/S- UNIVERSAL METAL TEK, NOIDA	
20.	Partition pillar	M/S- SIDHU INTERNATIONAL.CORPORATION KXH	
21.	Side Wall panel	M/S- HINDUSTAN FIBRE GLASS WORKS,VADODARA	
22.	AC Trough	M/s- MEENA FIBER GLASS INDUS. PUDUCHERY	
23.	Body Side Doors 1,3	M/S- JBM INDUSTRIES, FARIDABAD	
24.	Body Side Doors 2,4	M/S- SUKATA TRACTOR PARTS PVT.LTD. CDG	
25.	Compartment Door (PPE)	M/S- HANSPAL TRADERS, KXH	
26.	Compartment Door (NPPE)	M/S- HANSPAL TRADERS, KXH	
27.	Vestibule Door(PPE)	M/S- HANSPAL TRADERS, KXH	
28.	Vestibule Door(NPPE)	M/S- HANSPAL TRADERS, KXH	
29.	Bio Tank	M/S-RASANDIK ENG INDUSTRIES ,GURUGRAM	
30.	Auxiliary Water Tank	M/S RAIL FAB. KAPURTHALA	
31.	Under Slung Water Tank (2X685L)	M/s- AMIT ENG. BADDI	
32.	Under Slung Water Tank (1x450 L)	M/s- AMIT ENG. BADDI	
33.	Health Faucet	M/S-H.F GLASS VADODRA	
34.	Lotah Filler Tap	M/S-H.F GLASS VADODRA	
35.	Bib cock	M/s- JAQUAR PVT.LTD.ALWAR	
36.	Lavatory Modules	M/S- CMT MECHANISED SYSTEM PVT.LTD.,VADODARA	
37.	Lavatory Doors	M/S- CMT MECHANISED SYSTEM PVT.LTD.,VADODARA	
38.	Fire Extinguisher	M/S-ASHOKA ENG.	
39.	Seat & Berth	M/S- ORIENTAL VENEER PRODUCTS, MUMBAI	PP-3536-NPP-3574
40.	Light Luggage Rack	M/S- LUCKY ENT. GUNGAON	
41.	Snack Table	M/S- INTERNATIONAL TRACTORS LTD. JALNDHAR	
42.	RFID	M/S-TECH SOLUTION PVT LTD	Sr.104981,104982

Perma
SSE/QC/MCF/RBL

वरिष्ठ अनुसंधान विभाग
मुम्बई विभाग
रेलवे डिब्बा कारखाना, रायबरेली (लाहौर)



आवधिकार / प्रमाणित



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DISPATCH TO		SSE/STOCK/CSTM		Type	L	W	A	C	C	W	Shell No.	9	3	2	5	8	FUR.NO.		L2T(T)-84		

13. MODIFICATION (IF ANY) : NIL

14. DEVIATION (IF ANY) : NIL

15. ITEM FITTED ON THE COACH ON TRIAL : NIL

S NO	ITEM PARTICULARS	PURPOSE	REPORT Frequency	REFERENCE & PERIOD OF TRIAL

16. WARRANTY:

S NO	COMPONENTS	WARRANTY
1	Brake Pad, wheels, flushing valves, push gravity cocks, moldings, window glasses, mirrors, curtain clutch wire etc. (items which are consumable in nature)	NIL
2	Other coach furnishing sub assemblies(bought out items)	24 months from the date of dispatch of coach OR 30 months from the date of supply of material whichever is earlier.

NOTE:

- This warranty covers free supply of parts which wear out and fails within warranty period of normal service.
- This doesn't covers faults arising out of accident, non standard maintenance practices, abnormal use or mishandling, vandal activity, arson & deficient/pilferage etc.
- This doesn't cover any consequential liabilities or damages/loss incurred by anybody; furthermore, it shall in no case extend to repayment, return of the coach or replacement of complete coach.
- Whether a defective part is to be replaced or repaired shall be at the discretion of MCF/RBL.
- For any complain/ suggestion please Mail at qualityrcfbl@gmail.com
- Painting on supply & apply contract :- supply of material and application shall be warranted for a period of three years from date of Application for any manufacturing /Application as per clause -4, para- V of RDSO specification no .M&C/PCN/100/2013-Given below

S.No	Time period	Gloss Retention (initial gloss >85 unit at 60°)	Colour Retention rating on 0-10 scale (initial rating of painted panels/coach or ISC/RAL shade card shall be taken as 10)	Adherence of paints (with each other and with substrate)Cross-cut tape adhesion test as per ASTM D:3359/97(or latest)
1	After 1 year	80% of initial gloss	7	5B
2	After 2 year	70% of initial gloss	6	5B
3	After 3 year	60% of initial gloss	5	4B

If any imperfection is noticed or any defect arises during the warranty -period due to improper material used or due to bad workmanship, the contractor shall be bounded to set right the defect/ imperfection on free of cost basis at the base depot of the coach.

SSE/QC/MCF/RBL	SME/QC/MCF/RBL	Dy.CQM/MCF/RBL

गुणवत्ता विभाग
रेडिओका, रायबरेली (जालगाँव)

वरिष्ठ यांत्रिक अभियन्ता/गुणवत्ता
Senior Mechanical Engineer-Quality
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory Raebareli

जोगिन्दर सिंह
Joginder Singh
उप मुख्य गुणवत्ता प्रबन्धक
Dy. Chief Quality Manager
आधुनिक रेल डिब्बा कारखाना, रायबरेली
Modern Coach Factory, Raebareli



आधुनिक रेल डिब्बा कारखाना, रायबरेली



Modern Coach Factory Raebareli
आधुनिक रेल डिब्बा कारखाना, रायबरेली

2T-T-84
DOC NO.: MCF/RBL/QEF/8001

REV NO: 00

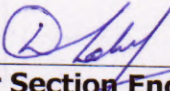
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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG 2T AC COACHES
ELECTRICAL TEST CERTIFICATE FOR LHB/EOG AC COACHES

ROLLING STOCK CERTIFICATE OF LHB/EOG 21 AC COACHES			
ELECTRICAL TEST CERTIFICATE FOR LHB/EOG AC COACHES			
TYPE COACH	LWACCW	SHELL/COACH NO	196901/C
RAILWAY	CR	DATE OF DESPATCH	
Sr no	Description of tests		Remarks
1.0	REFERENCE SPECIFICATION : L 446		
1.1	AIR CONDITIONING TEST : ELPS/TP/AC 01.		
1.2	CODE OF PRACTICE OF WIRING : ELPS/SPEC/EOG/AC-01		
2.0	INSULATION RESISTANCE : Setting of insulation monitoring relay at 30K ohms as per TD 111 of M/s LHB.		
	Observed status : HEALTHY		
3.0	AIR DELIVERY MEASUREMENT	OBSERVED VALUE	OK
3.1	Fresh Air	19.87 Cub mtr/min	OK
3.2	Return Air	68.35 Cub mtr/min	OK
3.3	Exhaust Air	7.15 Cub mtr/min	OK
3.4	Conditioned Air	160.41 Cub mtr/min	OK
4.0	PRE COOLING TEST: Max 01 hr. Time taken to pre cool from 45 deg centigrade to 24/22 deg C during OFF LOAD condition. PP Side :22.7 °C NPP Side :21.3 °C		OK
5.0	PULL DOWN TEST: Max 02 hrs. Time taken to pull down from 45 deg C to 24/22 deg C during FULL LOAD condition. Not done		--


Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli



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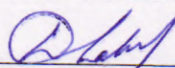
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FOR ELECTRICAL ITEMS

ROLLING STOCK CERTIFICATE OF LHB/EOG 2T AC COACHES

ELECTRICAL TEST CERTIFICATE FOR LHB EOG AC COACHES

Sr no	Description of test	Remarks
6.0	HUMIDITY CONTROL	OK
7.0	PUMP EQUIPMENTS	OK
8.0	WORKING OF EXHAUST FANS OVER LAVATORIES	OK
9.0	WORKING OF COMPOSITE PANTRY	OK
10.0	BERTH READING LIGHTS	OK
11.0	COMPARTMENT LIGHT	OK
12.0	PUBLIC ADDRESSING SYSTEM (PAS)	OK
13.0	WHEEL SLIDE PROTECTION SYSTEM (WSP)	OK
14.0	WORKING OF 60KVA TRANSFORMER	OK
15.0	WORKING OF REGULATED BATTERY CHARGER	OK
16.0	WORKING OF EMERGENCY BATTERY CHARGER	OK
17.0	SAFETIES :	
17.1	THERMOSTAT :	OK
17.2	ROTARY 07 SET POINTS (NORMAL CONDITION)	OK
17.3	MID SET POINTS (SENSORS FAILED CONDITIONS)	OK
17.4	HYGROSTAT	OK
17.5	CONTROL CIRCUIT	OK
17.6	POWER CIRCUIT	OK
18.0	REFRIGERANT USED R 407C	OK


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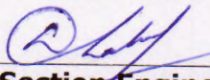
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ROLLING STOCK CERTIFICATE OF LHB/EOG 2T AC COACHES

Sr no	Description	Drg/Spec no.	Quantity per Coach
01.	Roof Mounted AC package unit for LHB AC coaches Make : AMIT ENGG. Sr no of RMPU 1(NPP side) 3938 H Sr no of RMPU 2(PP side): 3932 H Sr no of Microprocessor: AE 19.06.558	As per rdso/pe/spes/ac/0061/rev-1/2005	02
02.	Switch board cabinet Make : AMIT ENGG. Sr no : AE/SB-751	As per spec no .EDTS073,REV-D,AM-6	01
03.	Pump equipment with PLC controller& pump box Make: DR AUTO Sr no PA: 2019/08/0030 Sr no.1: 4891 Sr no.2: 4810 Srno.CPA: 2019/08/03-DR AUTO	As per spec EDTS 186,Rev-a, Am-2	01
04.	Double inlet centrifugal blower 415V/03Ph /50Hz /120W/450 cummtr/hr discharge for exhausting air from lavatory & switch board cabinet Make : INTEG	EDTS331, TYPE-1 CORR.-1&2	02
05.	Passenger area Light(Cabin) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-L	09
06.	Corridor Light with Night light Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-M	09
07.	Doorway/Gangway light, Make: RT VISION/DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-N	06
08.	Emergency light system for EOG type coaches (AEL)Make: DR AUTO	EDTS 151,Rev -c Am-1 & 2	04
09.	Lavatory light fitting assly Make: K.LITE	LW 76001,Alt nil	04
10.	Toilet indication (WC) light, Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-H1	04


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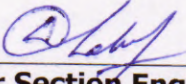
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ROLLING STOCK CERTIFICATE OF LHB/EOG 2T AC COACHES

Sr no	Description	Drg/Spec no.	Quantity per Coach
11.	Reading light for longitudinal berth (LHS) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F1	9
12.	Reading light for upper berth Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F2	26
13.	Reading light for transverse berth (RHS) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F3	8
14.	Reading light for berth transverse (LHS) Make: DR AUTO	As per RDSO/PE/SPEC/TL/0091-2016,REV-01, TYPE-F4	9
15.	Passenger alarm coach indication light Make: KAVERI	LW 76005,Alt-e	02
16.	Razor socket for WC 110/240V. Make: SSK	EDML 047 ,Rev nil	04
17.	Terminal strip Make: WAGO	EDML 033,Rev-c	01
18.	Terminal connector Make: WAGO	EDML 037,Rev`a`	04
19.	Single switch 06A/250V/AC ONE WAY ,complete with steel plate & cover frame Make: SSK	EDML 047,Rev_C, Item 1.	09
20.	Single switch 06A/250V/AC ONE WAY complete with steel plate & cover frame Make: SSK	EDML 047,Rev_A ,Item 2.	09
21.	Switch socket combined 5PIN (06A, 250V AC) along with 1A glass fuse fitted powder coated steel plate & cover frame Make: SSK	EDML 0,64,Rev-B, Item -16.	09
22.	PA system for LHB coaches Make : AHUJA	EDTS 173 Rev- a Am-1,2&3	01 set


Senior Section Engineer
Quality control / Electrical
Modern Coach Factory Raebareli



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आधुनिक रेल डिब्बा कारखाना, रायबरेली

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ROLLING STOCK CERTIFICATE OF LHB/EOG 2T AC COACHES

Sr no	Description	Drg/Spec no.	Quantity per Coach
23.	70AH/110V,54 Cells,02V each ,maintenance free pure lead acid tin monoblock ,battery set with 09 modules 12V each. , factory pre charged. Make : AMARA RAJA Lug date : 07/19	EDTS 129,Rev nil	01 set
24.	Battery box for LHB coaches. Make: HITECH	As per drgno 1 10113 0 76 700 005,Alt C	01
25.	Battery fuse box +ve Make : AECO	LW 71001,Alt-F	01
26.	Battery fuse box -ve Make : ISGPL	LW 71002,Alt-F	01
27.	Regulated battery charger Make : EEC Sr no: 01190017	RDSO/PE/SPEC/AC/0183 (REV -0)	01
28.	Emergency battery charger Make : BHASIN Sr no: 01196137	EDTS 163,Rev `c' corg.-2&3	01
29.	5KVA Transformer Make: WAVES SL.no : WLDT 5L 18426	As Per EDTS-366,REV-NIL & CC-71510	01
30.	Capacitor Bank Make: KONTACT SL.no : KT-979	As per EDML-130 Rev-1,Corr-1	01
31.	60KVA transformer Make : VIMAL Sr no : VTC-R-3089 LHB-1524	As per rdso/pe/spec/ac/0080/rev-0 (2007)/Am-1&2/Corr. 1,2&3	01
32.	ZS coupling 400A/750V/03Ph/50hz. Make : PRIME ELECT.	As per spec No EDTS 105,Rev`e' Am-2	02 sets
33.	Feeder junction boxes. Make : NEC	EDTS-328 REV-C	02
34.	Wheel set earthling equipment. Make : DARSHAN ENTERPRISES	EDTS101,REV-C,AM-1	02
35.	Wheel Slide Protection System (WSP) Make: FAIVELEY Sr no : 06/19/173	M/s : FAIVELEY	01 set
36.	PANTRY EQUIPMENTS : Hot Case, Bottle cooler cum deep freezer Make : NIL	As per spec no EDTS 139, Rev- E ,Sec II.	00

SSE/EL/QC	AWM(ELECT.)/MCF/RBL
	SEE(P)/MCF/RBL

वरिष्ठ अनुभाग अभियन्ता
गुणवत्ता नियंत्रण
आरोडिका/ लालगंज / रायबरेली
S.S.E./Elect-QC/M.C.F./LLJ/RBL

वरिष्ठ विद्युत अभियन्ता
रेल कोच फैक्टरी, रायबरेली, लखनऊ
Sr. Electrical Engineer / RCF / RBL / Lucknow