

5.	14.09.2015	6, 12, 13, 14	E	1. Length of M-5 Stud full thread reduced from 600 mm to 550 mm in Sheet No. 6. 2. Typographical error in length of Insulation bar corrected from 185 to 180 mm in Sheet No. 12 & 13, as it is indicated in Sheet No. 4 & 6 is 180x40x10. 3. Typographical error in width of Insulation bar corrected from 40 to 60 mm in Sheet No. 6 as it is indicated in Sheet No. 12 & 13 and Alt. C is 60 mm. 4. Typographical dimension error of Insulation sheet corrected from 110 to 80 mm; 140 to 110 mm and 165 to 155 mm in Sheet No. 14, as it is indicated in Sheet No. 4 & 6 and Alt. D is 220x180x5. 5. Typographical error 6xM6 corrected as 9xM6 in sheet no.13. 6. Typographical error of itemization in Sheet No. 14 D, F, M.G.N corrected as H,I,J,K,L, as it is indicated in Sheet No. 6 which is M-5 Block.	Sd/-
6.	27.02.2017	4A, 5A, 5B, 6A, 15, 16, 17	F	1. 14 nos. M5 in place of 8 M5 terminal block and 10 M5 for HB-1 increased for Hotel Load. 2. 10 nos. M5 in place of 8 M5 and 7xM5 terminal Block increased for HB-2 (HL). 3. Scope of supply for different loco incorporated in Sheet No. 4A. 4. Revised chart of detailed material at Sheet No. 6A. 5. Details test protocol given in Sheet5.	Sd/-
7.	Proposed		G	1. Terminal strip 9xM6 block changes to 12xM6 block (HB2) for energy saving connection in SK-7 & SK-9. 2. Terminal strip 4 nos 2xM5 block with insulating bur included for RDSO modification MS-0496 in SK-12. 3. Terminal strip 8xM5 block changes to 4xM5 block in SK-8 as per shop requirement.	

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8. DRAWINGS:

a) The following drawings are attached with the specifications: -

Drawing No. CLW/ES/3/SK-1/0645 to CLW/ES/3/SK-12/0645 for different panel-wise and supplier should assemble as per the drawings as well as different loco-wise.

9. SCOPE OF SUPPLY: -

Sl. No.	Description	Quantity/Loco			Place	Drawing No.
		WAG-9	WAP-7	WAP-5		
1	Terminal Strip 6 block (M-6)	1 Set	nil	1 Set	HB-1	CLW/ES/3/SK-06/0645
2	Terminal Strip 6 block (M-6)	nil	1 Set	nil	HB-1	CLW/ES/3/SK-11/0645
3	Terminal Strip 12 block M-6	1 Set	nil	1 Set	HB-2	CLW/ES/3/SK-07/0645
4	Terminal Strip 12 block M-6	nil	1 Set	nil	HB-2	CLW/ES/3/SK-09/0645
5	Terminal Strip 21 block (M-8)	2 Set	2 Set	2 Set	HB-1/2	CLW/ES/3/SK-05/0645
6	Terminal Strip 8 block (M-5)	2 Set	nil	2 Set	HB-1/2	CLW/ES/3/SK-6&7/645
7	Terminal Strip 10 block (M-5)	nil	2 Set	nil	HB-1/2	CLW/ES/3/SK-9&10/645
8	Terminal Strip 13 block (M-5)	2 Set	2 Set	2 Set	SB-1/2	CLW/ES/3/SK-3&4/645
9	Terminal Strip 7 block (M-5)	1 Set	1 Set	1 Set	SB-1	CLW/ES/3/SK-3/0645
10	Terminal Strip 3 block (M-5) & 2 block (M-8)	1 Set	1 Set	1 Set	SB-2	CLW/ES/3/SK-04/0645
11	Terminal Strip 4 block (M-5)	1 Set	1 Set	1 Set	AUX. CON.	CLW/ES/3/SK-8/0645
12	Terminal Strip 14 block (M-5)	nil	1 Set	nil	HB-1	CLW/ES/3/SK-11/0645
13	Terminal Strip 7 block (M-5)	nil	1 Set	nil	HB-2	CLW/ES/3/SK-10/0645
14	Terminal Strip 2 M5 block with insulating Bur.	4 Set	4 Set	4 Set	BODY	CLW/ES/3/SK-12/0645
15	Insulation Bar 180x40x10m	2 nos.	nil	2 nos.		CLW/ES/3/SK-6,7/0645
16	Insulation Bar 130x80x05	1 no.	1no.	1 no.		CLW/ES/3/SK-8/0645
17	Insulation Bar 600x40x10	2 nos.	2 nos.	2 nos.		CLW/ES/3/SK-5/0645
18	Insulation Bar 380x60x10	2 nos.	nil	2 nos		CLW/ES/3/SK-6,7/0645
19	Insulation Bar 450x40x10	2 nos.	2 nos.	2 nos		CLW/ES/3/SK-3&4/645
20	Insulation Bar 510x60x10	nil.	2 nos.	nil		CLW/ES/3/SK-9&11/645

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Sl. No.	Description	Ref./Drg.	2X21 (M8) Block HB	2X8 (M5) Block HB-1/2	1X6 (M6) Block HB-1	1X12 (M6) Block HB-2	1X7 (M5) Block SB-1	1X3 (M5) Block SB-2	2X13 (M5) Block SB1/2	Aux. Converter	2X10 (M5) Block HB1/2 HL	1X14 (M5) Block HB-1 HL	1X7 (M5) HL Block HB-2	RDS O MS Bod Y.	Material and Standard
1	Insulating Block	A	2x21	2 x 8	1 x 6	1 x 12	1 x 7	1 x 5	2 x 13	1 x 4	2 x 10	14	7	4X2	DMC-6050F, 110: DMC grade Polymix Gr-2230: BS:-5734, Pt.-2.
2	Insulating Baffle	B		2 x 8				6	2 x 2	5	2 x 10	15	9	4X3	Synthetic Resin Bonded fabric Base Sheet as per IS:2036-1974.
2a	Insulating Baffle 100x45	B1	2 x 22		7	10									
3	Distance Plate	C	2 x 42	Nil	24	24	Nil	4	Nil	8	Nil	Nil		8	Same as 'A'
4	No. Plate for M8 term	D	2 x 21	Nil	Nil	Nil	Nil	2	Nil						Cu. Nickel plated IS:1997-83.
5	No. plate for M6 term	D	Nil	Nil	6	12	Nil	Nil	Nil						---do---
6	No. Plate for M5 term	H	Nil	2x8	Nil	Nil	7	3	2x13	4	2x10	14	7	8	---do---
7	Stud M5 full threaded	E	550mm 2 Nos.	160mm 2 Nos.	230mm 1 No.	330mm 1 No.	130mm 1 No.	110-1 No. 40-1 No. 2 Nos.	120mm 1 No.	170mm 2 Nos.	260mm 1 No.	80-1 No. 40-1 No.			M.S. Cad. Plated IS:2062
8	M8 Hex. Nut	F	2x84	Nil	Nil	Nil	Nil	8	Nil	Nil					Brass nickel plated, IS:1364 (Part 4) - 1983.
9	M6 Hex. Nut		Nil	Nil	24	48	Nil	Nil	Nil	Nil					Brass nickel plated, IS:2585-8
10	M5 Hex. Nut	I	2x5	2x36	5	5	28	28	2x57	20	44	60	34	36	Brass nickel plated, IS:1364 Pt.2
11	M8x25 sq. hd. Screw	M	2x42	Nil	Nil	Nil	Nil	4	Nil	Nil					---do---
12	M6x25 hex. Hd. Screw	K	Nil	Nil	12	24	Nil	Nil	Nil	Nil					
13	M5x22 hex.	K	Nil	2x18	2	3	16	10	2x29	10	22	30	17	20	

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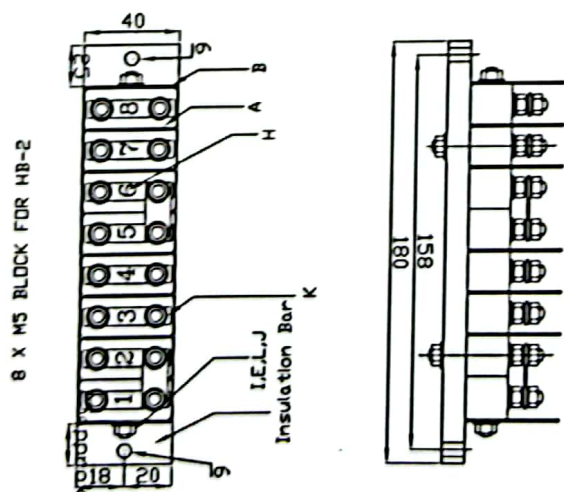
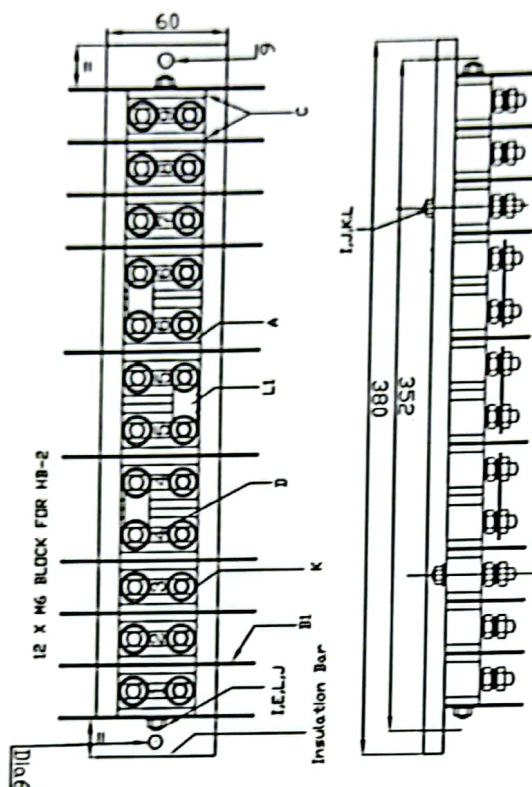
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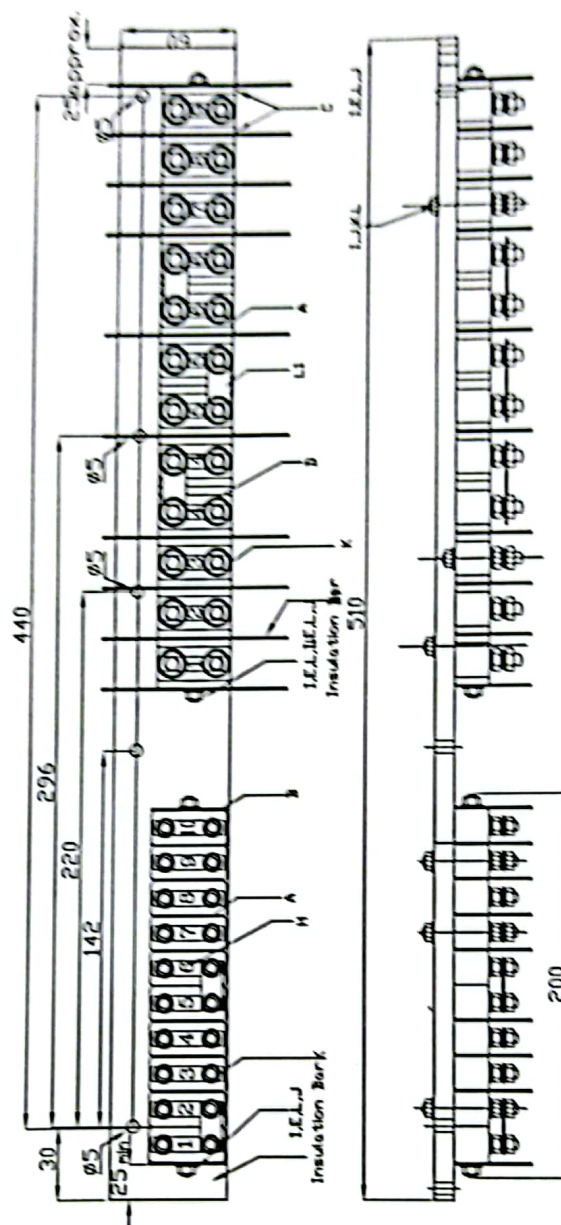
SSE-Design

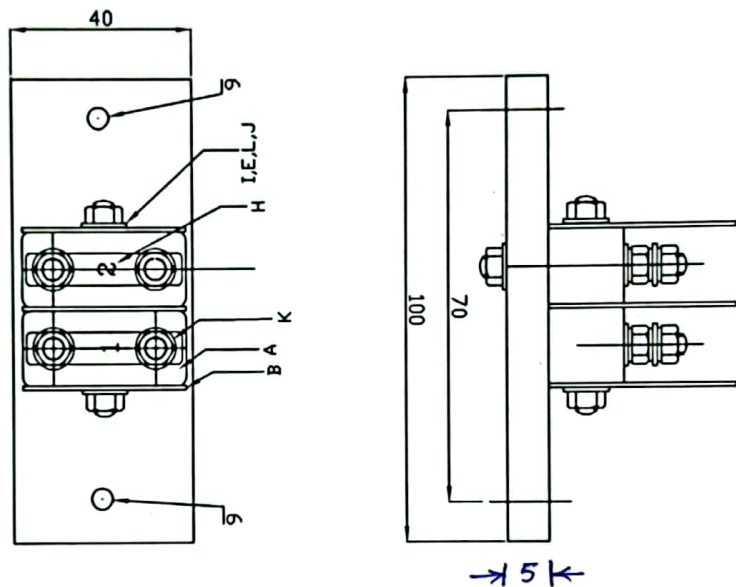
Hd. Screw																		
14	Mc. Washer OD 17, Id 8.4	G	2x84	Nil	Nil	Nil	8	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Brass Nickel plated, IS 2016- 1977.
15	Mc. Washer OD 12, Id 6.4		Nil	Nil	24	48	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Brass Nickel plated, IS 2015- 1977.
16	Mc. Washer OD 10, ID 5.3	J	2x5	2x36	5	5	28	28	2x57	20	20	44	60	34	36	36	36	---do---
17	Spring Washer M8	N	2x42	Nil	Nil	Nil	Nil	4	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Spring steel cad. Plated, IS 3063
18	Spring Washer M6		Nil	Nil	12	24	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	---do---
19	Spring Washer M5	L	2x5	2x20	4	8	18	18	2x31	20	20	44	60	17	20	20	20	---do---
20	Shorting Link	L1	Nil	2x2	Nil	3	1	3	2x12	Nil	Nil	1	1	1	1	1	1	Electrolytic Copper Tin Plated as per IS- 1897 & IS - 1359-83
21	Insulation Bar Qty./Length		2x600	2x180	380 mm	380 mm	Nil	Nil	2x450	130 mm	130 mm	180	510	180	100	100	100	Hyland/ SRSGF (UP-1) Grade Sheet.
22	Insulation Bar Width x Thk.		40x10	40x10	60x10	60x10	Nil	Nil	40x10	80x5	80x5	40x10	60x10	40x10	40x10	40x10	40x10	Sheet.

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[illegible]

अधिकारिता DGN  चित्तारंजन रेलइंजन कारखाना CHITARANJAN LOCOMOTIVE WORKS, INDIA												
परिवर्तन संख्या AUTH NO वर्णन DESCRIPTION दिनांक प्रारंभ DATED INITIAL												
वर्णन ASSEMBLY OF SCREW TYPE वर्णन TERMINAL BLOCK CONVERTER												
परिवर्तन संख्या ALTERATION NO पृष्ठ संख्या PAGE NO												
परिवर्तन संख्या ALTERATION NO पृष्ठ संख्या PAGE NO												

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अधिकृत DGM												चितरंजन रेलइंजन कारखाना CHITTARANJAN LOCOMOTIVE WORKS, INDIA		
G	2x M5 BLOCK INCLUDED										जोधा च.अ. CHD SSE			
परिवर्तन संख्या ALT.NO	आधिकार AUTHY	वर्णन DESCRIPTION								दिनांक DATED	प्रारंभ INITIAL	समीक्षित र.वि.अ. / च.वि.अ. REVISED AEE / SEE	विशिष्ट SPECN	पदार्थ MATERIAL
समस्त - कसता का मान मा. मा. 9073 / अ. मा. मा. 1902 SURFACE FINISHNESS VALUE TO 6.813 / 10.000		अनिर्दिष्ट तथ - सीमा मा. मा. 2102 / अ. मा. मा. 2760 UNSPECIFIED TOLERANCE TO IS : 2102 / ISO : 2760								TOL CLS	अनुमोदित छ.नु.वि.अ. APPROVED DYCEE	वर्णन DESCRIPTION		
मातृ-वैलन चिह्न मा. मा. 819 / अ. मा. मा. 2663 WELDING SYMBOLS TO IS.819 / ISO.2553											TERMINAL BLOCK RDSO MS-496			
पदार्थ GRADE NO	सं1 M1	सं2 M2	सं3 M3	सं4 M4	सं5 M5	सं6 M6	सं7 M7	सं8 M8	सं9 M9	सं10 M10	सं11 M11	सं12 M12	दिनांक DATE	आरेखण संख्या DRAWING NO.
Rt	8.8-9.3	8.5-9.7	8.9-11	15-18	15-18	15-18	15-18	15-18	15-18	15-18	15-18	15-18	SCALE	CLW/ES/3/SK12/0645G
Rd	0.025	0.05	0.1	0.2	0.4	0.8	1.6	3.2	6.3	12.5	25	50	N I S	
चिह्न SYMBOL	XXXXXX												परिवर्तन संख्या ALTERATION NO.	पृष्ठ SHEET
सं.वर्ण / REF												1 OF 1	A4	