

OUTERSHEET

SPECIFICATION FOR 'STANDARD HARDWARE KIT' FOR 3-PHASE TRACTION MOTOR

APPROVED BY

CEE/TM

RAJIV
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Remark: Revision '1' done for Digitization

SPECIFICATION FOR 'STANDARD HARDWARE KIT' FOR
THREE PHASE TRACTION MOTOR

CHITTARANJAN LOCOMOTIVE WORKS
WEST BENGAL , INDIA
No. 4TMS.096.075, Rev-1,Alt-1
First Issued on : **17.07.2015**

(Prepared &
Checked by)

SSE/TMDO

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Dy.CEE/TMD

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Alteration Sheet				
Alt.No	Description of modification	Authority	Signature	Date
1.	For alteration of Grade from existing 12.9 to 10.9 vide note No.CLW/TM/11030 dtd. 07.01.2023.	Dy.CEE/TMD	---	As Signed

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1. **FOREWORD:-** This Specification covers the requirements of 'STANDARD HARDWARE KIT' for manufacture of Three Phase Traction Motor.

2. **REQUIREMENT :-** Requirement per set in the 'KIT' form are indicated here under: -

Suppliers shall quote their rates per set in 'KIT' form taking all items together, otherwise their offers are liable to be summarily rejected.

SN.	C&D No.	Description & Drg./Specn. No.	Qty./TM (nos)	Remarks
01	5780/021	Hex.Hd Screw M6x10 – 8.8 (Zn.Plated) to IS:1364(Pt.2)'92,ISO:4017'88.	02	Stocking C&D No. For FRA/21 is 5780/085
02	5780/022	Hex.Hd Screw M8x20 – 8.8 (Zn.Plated) to IS:1364(Pt.2)'92,ISO:4017'88.	08	
03	5780/023	Hex.Hd Screw M8x25 – 8.8 (Zn.Plated) to IS:1364(Pt.2)'92,ISO:4017'88.	02	
04	5780/024	Hex.Hd Screw M8x30 – 8.8 (Zn.Plated) to IS:1364(Pt.2)'92,ISO:4017'88.	04	
05	5780/025	Hex.Hd Screw M10x12 – 8.8 (Zn.Plated) to IS:1364(Pt.2)'92,ISO:4017'88.	06	
06	5780/026	Hex.Hd Screw M10x16 – 8.8 (Zn.Plated) to IS:1364(Pt.2)'92,ISO:4017'88.	01	
07	5780/028	Hex.socket.hd.cap Screw M6x16 – 10.9 (Zn.Plated) to IS:2269-'95, (1)	06	
08	5716/025	Hex.socket.hd.cap Screw M8x25 – 10.9 (Zn.Plated) to IS:2269-'95, (1)	02	
09	5780/029	Hex.socket.hd.cap Screw M10x25 – 10.9 (Zn.Plated) to IS:2269-'95, (1)	06	
10	5780/030	Hex.socket.hd.cap Screw M12x30 – 10.9 (Zn.Plated) to IS:2269-'95, (1)	06	
11	5780/032	Hex.socket.hd.cap Screw M16x45 – 10.9 (Zn.Plated) to IS:2269-'95, (1)	03	
12	5780/031	Hex.socket.hd.cap Screw M20x55 – 10.9 (Zn.Plated) to IS:2269-'95, (1)	16	
13	5780/086	Hex.Hd Screw M8x40 – 8.8 (Zn.Plated) to IS:1364(Pt.2)'92,ISO:4017'88.	04	
TOTAL QTY.			66 Nos.	
S.N.	C&D No.	Description & Drg./Specn. No.	Qty./TM (nos)	Remarks
01	5716/028	Hex.Hd Screw M12x30 – 8.8 (Zn.Plated) to IS:1364(Pt.2)'92,ISO:4017'88.	03	Stocking C&D No. For FRA/23 is 5716/059
02	5720/206	Hex.socket set Screw M6x10 (CP) – (Cad.Plated) to IS:6094-'81,	18	
Total Qty.			21 Nos.	

QTY/TM OF 'STANDARD HARDWARE KIT' (FRA) = 01 Set consisting of 66+21 = 87 Nos. against Stocking C&D No. **5780/092**

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SN	C&D No.	Description & Drg./Specn. No.	Qty./TM (nos)	Remarks
01	5890/021	Hex.Hd Screw M6x10 – 8.8 (Zn.Plated) to IS:1364(Pt.2)'92,ISO:4017'88.	04	Stocking C&D No. For FXA/21 is <u>5890/062</u>
02	5890/022	Hex.Hd Screw M8x20 – 8.8 (Zn.Plated) to IS:1364(Pt.2)'92,ISO:4017'88.	12	
03	5890/023	Hex.Hd Screw M8x25 – 8.8 (Zn.Plated) to IS:1364(Pt.2)'92,ISO:4017'88.	02	
04	5890/024	Hex.Hd Screw M8x30 – 8.8 (Zn.Plated) to IS:1364(Pt.2)'92,ISO:4017'88.	04	
05	5890/027	Hex.Hd Screw M10x16 – 8.8 (Zn.Plated) to IS:1364(Pt.2)'92,ISO:4017'88.	01	
06	5890/025	Hex.Hd Screw M12x20 – 8.8 (Zn.Plated) to IS:1364(Pt.2)'92,ISO:4017'88.	06	
07	5890/026	Hex.hd.Screw M10x25 – 8.8 (Zn.Plated) to IS:2269-'95,	06	
08	5890/029	Hex.socket.hd.cap Screw M6x16 – 10.9 (Zn.Plated) to IS:2269-'95, (1)	06	
09	5890/030	Hex.socket.hd.cap Screw M8x25 – 10.9 (Zn.Plated) to IS:2269-'95, (1)	06	
10	5890/031	Hex.socket.hd.cap Screw M16x45 – 10.9 (Zn.Plated) to IS:2269-'95, (1)	03	
11	5890/032	Hex.socket.hd.cap Screw M20x55 – 10.9 (Zn.Plated) to IS:2269-'95, (1)	16	
TOTAL QTY.			66 Nos.	
SN.	C&D No.	Description & Drg./Specn. No.	Qty./TM (nos)	Remarks
01	5816/034	Hex.Hd Screw M12x30 – 8.8 (Zn.Plated) to IS:1364(Pt.2)'92,ISO:4017'88.	03	Stocking C&D No. For FXA/23 is <u>5816/049</u>
02	5816/031	Hex.socket.hd.cap Screw M8x25 – 10.9 (Zn.Plated) to IS:2269-'95, (1)	02	
03	5820/106	Hex.socket set Screw M6x10 (CP) – (Cad.Plated) to IS:6094-'81,	18	
Total Qty.			23 Nos.	

QTY/TM OF 'STANDARD HARDWARE KIT'(FXA) = 01 Set consisting of 66+23 = 89 Nos. against Stocking C&D No. 5890/069

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3. SPECIAL CONDITION:

- A. Brands approved as per CLW's approved list only are acceptable.
- B. Dealers /Distributors should indicate their Brand clearly along with their quotation.
- C. Suppliers will be accepted with OEM's guarantee test certificate.
- D. Dealers/Distributors of OEM if quoting should enclose Dealership/Distributorship certificate With validity given by OEM to prove the credential without which offers are liable to be Summarily rejected.

- 4. MARKING & PACKING:** Manufacturer's identification mark, Colour code shall be provided on each item. One set of KIT shall be properly packed in box of suitable material to avoid damage during Handling and transportation. All the items should be first kept in durable polythene packet, each type in separate packet and then finally kept in box. Two cards indicating description of the material under C&D No. FRA-21(5780/085),FRA -23(5716/059) & FXA-21 (5890/062) & FXA-23 (5816/049) and also the description and C&D No. of individual item including quantity signed by CLW's inspector shall be tagged One inside and the other side of the box.

5. INSPECTION:

- a) Few Hardware of each size shall be selected at random.
- b) Hardware's shall be tested at NABL certified lab as per relevant IS:(Latest edition) mentioned above.

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