

OUTERSHEET

SPECIFICATION FOR 'SPRING WASHER KIT' FOR THREE PHASE TRACTION MOTOR

APPROVED BY

CEE/TM

**RAJIV
KUMAR
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Date: 2022.11.22
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Remark: Revision '1' done for Digitization

SPECIFICATION FOR 'SPRING WASHER KIT' FOR
THREE PHASE TRACTION MOTOR

CHITTARANJAN LOCOMOTIVE WORKS
WEST BENGAL , INDIA

No. 4TMS.096.074, Rev-1
First Issued on : 08.01.2010

(Prepared &
Checked by)

SSE/TMDO

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Alteration Sheet				
Alt.No	Description of modification	Authority	Signature	Date

SPECIFICATION FOR 'SPRING WASHER KIT' FOR
THREE PHASE TRACTION MOTOR

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1. **FOREWORD:-** This Specification covers the requirements of 'SPRING WASHER KIT' for manufacturing 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.

Sl. No	C&D No.	Description & Drg./Specn. No.	Qty/TM (nos)	Remarks
01	5780/036	Spring Washer B6 (Zn.Plated) to IS:3063-'94	06	Stocking C&D No. For FRA/21 is 5780/083
02	5780/037	Spring Washer B8 (Zn.Plated) to IS:3063-'94	18	
03	5780/038 5780/042	Spring Washer B10 (Zn.Plated) to IS:3063-'94	07	
04	5780/039	Spring Washer B12 (Zn.Plated) to IS:3063-'94	08	
05	5780/040	Spring Washer B16 (Zn.Plated) to IS:3063-'94	03	
06	5780/041	Spring Washer B20 (Zn.Plated) to IS:3063-'94	16	
TOTAL			58	

01	5716/026	Spring Washer B8 (Zn.Plated) to IS:3063-'94	02	Stocking C&D No. For FRA/23 is 5716/058
02	5716/029	Spring Lock Washer A12 (Zn.Plated) to IS:3063-'94	03	
TOTAL			05	

* QTY/TM OF SPRING WASHER KIT'(FRA) = 01 Set (58+5=63 No.) against Stocking C&D No. **5780/091**

Sl. No	C&D No.	Description & Drg./Specn. No.	Qty./TM (nos)	Remarks
01	5890/034	Spring Washer B6 (Zn.Plated) to IS:3063-'94	06	Stocking C&D No. For FXA/21 is 5890/060
02	5890/035	Spring Washer B8 (Zn.Plated) to IS:3063-'94	20	
03	5890/038 5890/037	Spring Washer B10 (Zn.Plated) to IS:3063-'94	07	
04	5890/040	Spring Washer B16 (Zn.Plated) to IS:3063-'94	03	
05	5890/041	Spring Washer B20 (Zn.Plated) to IS:3063-'94	16	
TOTAL			52	

SPECIFICATION FOR 'SPRING WASHER KIT' FOR
THREE PHASE TRACTION MOTOR

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01	5816/032	Spring Washer B8 (Zn.Plated) to IS:3063-'94	02	Stocking C&D No. For FXA/23 is <u>5816/048</u>
02	5816/035	Spring Lock Washer A12 (Zn.Plated) to IS:3063-'94	03	
TOTAL			05	

* QTY/TM OF SPRING WASHER KIT'(FXA) = 01 Set (52+5=57 No.) against Stocking C&D No. 5890/068

3. SPECIAL CONDITION:

- Brands approved as per CLW's approved list only are accepted.
- Dealers /Distributors should indicate their Brand clearly along with their quotation.
- Supplies will be acceptable with OEM's Guarantee/Test certificate.
- Dealers /Distributors OF OEM if quoting should enclose dealership/distributorship certificate 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- 5780/083, FRA/23-5716/058 & FXA/21 – 5890/060, FXA/23 –5816/048) and also the description and C&D No. of individual item including quantity duly signed by CLW's inspector shall be tagged one inside and the other side of the box.

5. INSPECTION:

- Few Washers of each size shall be selected at random.
- Washers shall be tested at **NABL** certified lab as per IS:3063(latest revision).

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THREE PHASE TRACTION MOTOR

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PRODUCT STANDARD
TME DIVISION, BHOPAL

TM 11492

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TME/2011

SPECIFICATION FOR SPRING WASHER KIT FOR THREE PHASE TRACTION MOTOR

1.0 FORWARD :

This specification covers the requirements of 'Spring Washer Kit' for manufacturing of Three Phase Traction Motor.

2.0 Requirement : Requirement per set in 'KIT' 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.

Sl. No.	Description & Drg/Spec No.	Qty/TM (nos)
01	Spring Lock Washer A12 (Zn. Plated) to IS 3063-'94	03
02	Spring Washer B6 (Zn. Plated) to IS 3063-'94	06
03	Spring Washer B8 (Zn. Plated) to IS 3063-'94	20
04	Spring Washer B10 (Zn. Plated) to IS 3063-'94	07 (6+1)
05	Spring Washer B12 (Zn. Plated) to IS 3063-'94	08
06	Spring Washer B16 (Zn. Plated) to IS 3063-'94	03
07	Spring Washer B20 (Zn. Plated) to IS 3063-'94	16
Total :		63

∴ Qty/TM of Spring Washer Kit (FRA) = 01 set (63 nos.).

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Revision : 00

Date:

Distribution

TXM
QMX
TME
TSD

Qty.

1
1
1
1

Approved :
S. Mehrotra

Prepared:

Meenakshi
Meenakshi

Checked:

A. Sharma

Date:

4.5.2011



PRODUCT STANDARD
TME DIVISION, BHOPAL

TM 11492

TME/2011

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Sl. No.	Description & Drg/Spec No.	Qty/TM (nos)
01	Spring Lock Washer A12 (Zn. Plated) to IS 3063-'94	03
02	Spring Washer B6 (Zn. Plated) to IS 3063-'94	06
03	Spring Washer B8 (Zn. Plated) to IS 3063-'94	22
04	Spring Washer B10 (Zn. Plated) to IS 3063-'94	07 (6+1)
05	Spring Washer B16 (Zn. Plated) to IS 3063-'94	03
06	Spring Washer B20 (Zn. Plated) to IS 3063-'94	16
Total :		57

: Qty/TM of Spring Washer Kit (FXA) =01 set (57 nos.)

3.0 Special Condition :

- Brands approved as per BHEL's approved list only are acceptable.
- Dealer's Distributors should indicate their Brand clearly along with their quotation.
- Supplies will be acceptable with OEM's Guarantee Test Certificate.
- 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.

	 PRODUCT STANDARD TME DIVISION, BHOPAL TME/2011	TM 11492
		PAGE 03 OF 03
	<p>4.0 <u>Marking & Packing :</u></p> <p>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 Purchase Order and also the description and Purchase Order of individual item including quantity duly signed by BHEL inspector shall be tagged one inside and the other side the box.</p> <p>5.0 <u>Inspection :</u></p> <p>a) Few washer of each size shall be selected random. b) Washer shall be tested at NABL certified lab as per IS:3063 latest revision.</p> <p>6.0 This specification is equivalent to CLW's specification no. 4TMS.096.074.</p>	