

**SPECIFICATION OF G.I. EARTHING BOLTS & NUTS WITH WASHER & SPRING WASHER FOR EARTHING OF HT/LT DISTRIBUTION SYSTEM**

**SCOPE :-**

This specification covers the details of G.I. Bolts and Nuts (With washer and spring washer) of size 40mmx16mm for Earthing purpose. The same are to be used to connect G.I. Wire.

**APPLICABLE STANDARD :-**

Except when it complies with specific requirement in this specification, the bolts and nuts shall comply with IS: 1363/1992 Part-I and Part-III & the zinc coating shall comply with IS: 2633/86 with latest amendments. Plain washer as per IS: 2016 /1967 suitable for M-16 Bolts and Spring Washers as per IS: 3063/1994 suitable for M-16 bolts.

Applicable Drg. : Drg. No. Tech - 321 Rev. 4.

**TESTS :-**

The bolts, nuts, washers and spring washers shall be hot dip galvanized and shall withstand following acceptance test:

- i) Visual Inspection.
- ii) Dimension check.
- iii) Galvanizing test (Uniformity) (Four dips)

**SAMPLING :-**

Sampling for each lot shall be 32 Nos. for the above acceptance tests.

**PACKING :-**

The bolts shall be packed in lots of 250 Nos. duly assembled in standard double gunny bags or double woven polythene bag, packing. Supplier should keep the material duly packed in double gunny bag or double polythene bags with lead seal provided for sealing of materials after inspection.

**TENDER SAMPLES :-**

**Three Nos. of samples should be submitted so as to reach Deputy Engineer, Regional Store Office, PGVCL, Rajkot prior to due time & date of opening of the tender. Bidder shall have to Emboss Company's name on the head of bolts i.e. PGVCL.**

**SUBMISSION OF DRAWING :-**

The successful bidders will have to submit the three Nos. of drawing within 7 days from the date of receipt of the order for our approval.

Signature of Tenderer:		Company's Round Seal:
Date:	Place:	

**Name of Manufacturer  
and Address:**

### **GUARANTEED TECHNICAL PARTICULARS**

#### **PART 'A'**

Technical Information and Guaranteed Technical Particulars for supply of G.I.Earthing Bolts & Nuts size 40X16 mm:

Sr. No.	Particulars	Confirmation
1	The G.I.Earthing Bolts & Nuts size 40X16 mm with plain Washer & Spring Washer shall confirm to- 1) IS:1363 (P.I & III), IS: 2633/86, IS: 2016/67 & IS: 3063/94 2) Company Specification & 3) Drawing No. Tech X 321 (Rev. 4)	Yes
2	Size 40X16 mm	Yes
3	Dimension of Bolts & Nuts shall be as per IS:1363/92 full thread M-16, except slot dimension, as per Drg. No. Tech - 321 (Rev. 4).	Yes
4	Dimension of Washer shall be as per IS: 2016/67	Yes
5	Dimension of Spring Washer shall be as per IS: 2016/67	Yes
6	Bolt, Nut, Washer, Spring Washer shall be hot dip galvanized.	Yes
7	Tolerance in dimension as per relevant IS and as mentioned in Drawing No. Tech X 321 (Rev. 4)	Yes
8	Galvanizing Test as per IS: 2633/86	Yes
9	Packing shall be in double gunny bags / polythene bags containing 250 Nos. per bag.	Yes

#### **PART 'B' : (ENCLOSURES)**

Bidders have to furnish below documents and have to confirm the requirements:

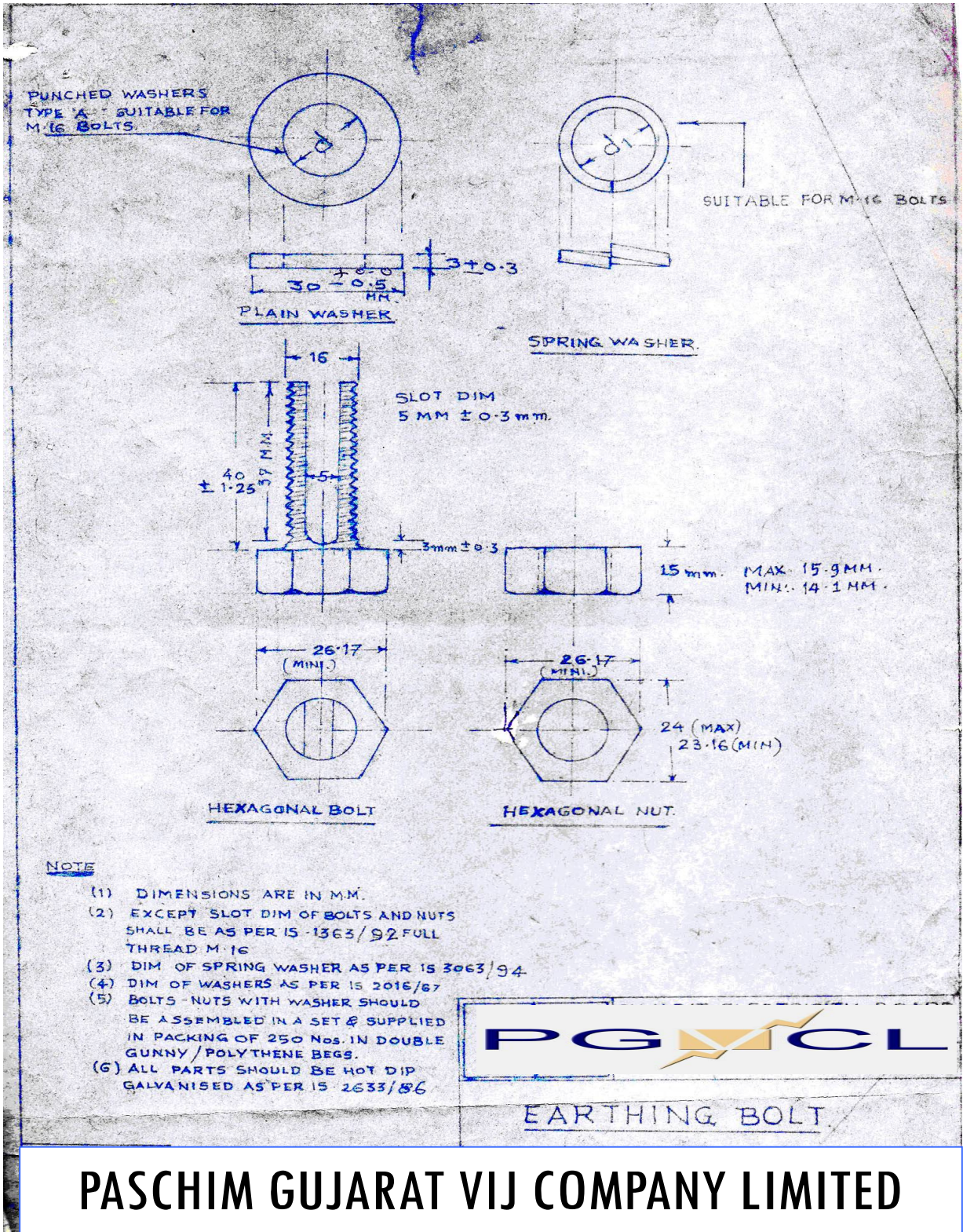
Sr. No.	Particulars	Confirmation
1	Submission of own drawing duly signed & seal in line with Drawing No. Tech X 321 (Rev. 4)	Yes
2	List of Plant & Machinery available.	Yes
3	List of testing facilities.	Yes
4	List of orders pending / executed: a) With GUVNL (Formerly GEB) and/or their subsidiary companies i.e. PGVCL/MGVCL/DGVCL/UGVCL b) With agencies other than GUVNL (Formerly GEB) and/or their subsidiary companies i.e. PGVCL/MGVCL/DGVCL/ UGVCL	Yes
5	3 nos. (Three) of samples to be sent before due time & Date of the tender.	Yes

#### **PART 'C'**

Bidder has to mention technical deviation if any, quoting relevant clause of specifications, in respective Annexure only. Any deviation given elsewhere will not be considered and will be ignored.

Signature of Tenderer:		
Date:	Place:	
		Company's Round Seal:





Signature of Tenderer:		Company's Round Seal:
Date:	Place:	