



BOLTS AND NUTS STATEMENT:

TYPE	SIZE (IN mm)	QUANTITY	
		DB	DBR
B	Ø16mm x 35mm	46	46
C	Ø16mm x 40mm	12	12
D	Ø16mm x 45mm	19	13
E	Ø16mm x 50mm	-	6
F	Ø16mm x 55mm	-	-
G	Ø16mm x 60mm	-	-
H	Ø16mm x 65mm	-	-
J	Ø16mm x 70mm	-	-
K	Ø16mm x 75mm	-	-
L	Ø16mm x 80mm	-	-
SPRING WASHERS		79	77
30 O.D. PACKING WASHERS Ø17.5mm			
5 mm		2	2
6 mm		-	-
8 mm		-	-
10 mm		1	1
STEP BOLTS Ø 16mm x 175mm		-	-

- GENERAL NOTES:**
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.
 - MILD STEEL BOLTS & NUTS TO IS 6839/12427/4.6/5.6 QLT.
 - ALL MILD STEEL BOLTS & NUTS ARE TO BE HOT DIP GALVANIZED AS PER IS 1367 PART-XIII.
 - ALL MILD STEEL BOLTS & NUTS ARE TO BE QUALITY CONFORMING TO I.S. 2082 STANDARD.
 - GALVANISATION OF TOWER MEMBERS AND FLAT WASHERS AS PER I.S. 2629.
 - ALL HOLES Ø13.5 FOR M12 BOLTS U.O.S.
 - ALL HOLES Ø17.5 FOR M16 BOLTS U.O.S.
 - ALL HOLES Ø21.5 FOR M20 BOLTS U.O.S.
 - ALL HOLES Ø17.5 FOR M16 STEP BOLTS U.O.S.
 - STANDARD SPRING WASHERS ARE TO BE USED UNDER EACH NUT.
 - ALL FABRICATED MEMBERS SHALL HAVE THE PREFIX .1DB
 - FOR SIZE OF BOLTS AND NUTS SEE TABLE OT-100
 - INDICATES MEMBERS BEING USED AS STEP-BOLTS.
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 - STEP BOLTS ARE TO BE PROVIDED ON TWO DIAGONALLY OPPOSITE LEGS
 - (H) INDICATES HIGH TENSILE STEEL CONFORMING TO IS 8550 Gr.-40B QUALITY.
 - FOR ACCEPTANCE CRITERIA REFER MANUFACTURING QUALITY PLAN MFG-701.
 - CONTROL DIMENSIONS ARE SHOWN IN []
 - [] INDICATES REVISED ITEM NO. & SECTION SIZE

BIHAR STATE POWER TRANSMISSION COMPANY LTD

DRAWN BY	DESCRIPTION	132KV D/C TOWER TYPE "DB" DETAIL OF MIDDLE X-ARM		SCALE
CHECKED BY	DRG NO	132KV-D/C-Struct-Middle-X-26	SHEET NO 1-1	REV. 0
APPROVED BY				