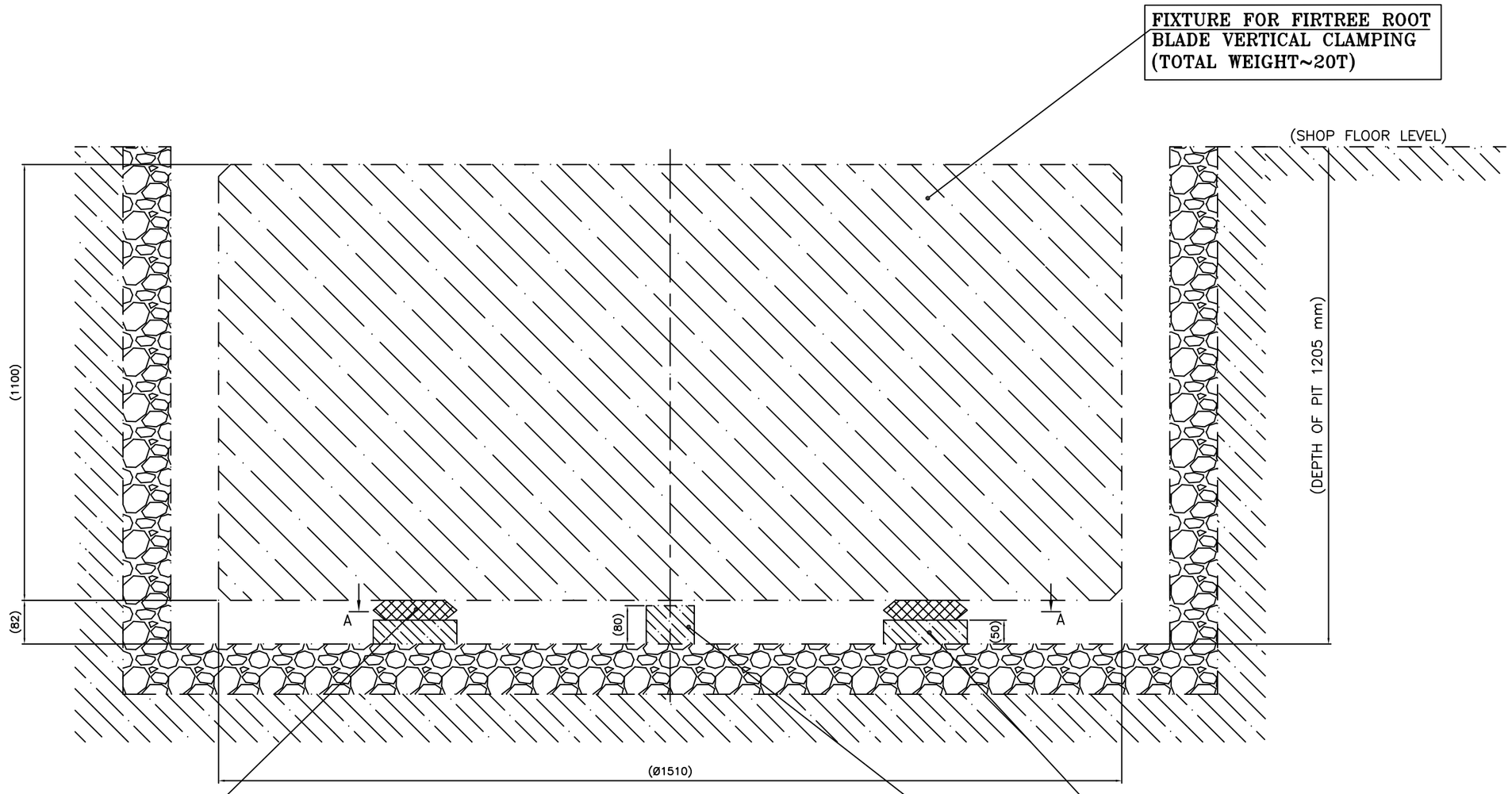
FIRST ANGLE PROJECTION | (ALL DIMENSIONS ARE IN mm)

FORM: DG 46 B

DRAWING No. R7871-1712



SECTION A-A

TECHNICAL REQUIREMENTS:-

1. VENDOR HAS TO DEVELOP THE COMPLETE PNEUMATIC SYSTEM AS PER THE PNEUMATIC CIRCUIT DIAGRAM DRG NO R7871-1712/010. IT IS REQUIRED TO INCORPORATE SUITABLE ISOLATION OF FIXTURE FROM ANY EXTERNAL SHOCKS/VIBRATIONS ETC.
2. COMPLETE EQUIPMENT SHOULD HAVE ALL NECESSARY SAFETY FEATURES. DETAILS OF SAME SHOULD BE SUBMITTED WITH OFFER.
3. VENDOR MUST SUBMIT LIST OF STANDARD/BOUGHT OUT PARTS THEIR SOURCE, CATALOGUE ETC ALONG WITH THE SYSTEM.
4. THE WHOLE FIXTURE SHALL BE MOUNTED INSIDE PIT (BELOW SHOP FLOOR LEVEL) ON INFLATED AIR BAGS (ITEM NO. 2) AT (5 TO 12 BAR) PRESSURE TO ISOLATE FROM THE EXTERNAL VIBRATIONS & SHOCKS. COMPLETE FOUNDATION, FIXTURE & TOP COVERING SHEET WORK SHALL BE IN SCOPE OF BHEL.
5. VENDOR HAS TO INSTALL AND COMMISSION THE WHOLE PNEUMATIC SYSTEM IN FOUNDATION PIT AT BHEL HARDWAR. FIXTURE SHALL BE PLACED ON AIR BAGS OF PNEUMATIC SYSTEM. ALL FINISH MACHINED MECHANICAL FIXTURE PARTS SHALL BE PROVIDED BY BHEL. MECHANICAL ASSEMBLY SHALL BE DONE BY BHEL.
6. PRE DISPATCH INSPECTION WILL BE DONE BY BHEL AT VENDOR WORKS (IF REQUIRED BY BHEL) AND FINAL ACCEPTANCE WILL BE GIVEN ONLY AFTER COMMISSIONING & PROVE OUT OF SYSTEMS, INSTALLATION & FUNCTIONALITY, BY VENDOR IN BHEL HARDWAR. STABILITY OF FIXTURE ON AIRBAGS SHALL BE CRITERION FOE ACCEPTANCE.
7. VENDOR SHOULD PROVIDE A WARRANTY OF **2 YEARS** ON WHOLE SYSTEM FOR ITS ESTABLISHED PERFORMANCE & FUNCTIONING
8. DURING COMMISSIONING TRAINING SHALL BE PROVIDED BY VENDOR TO BHEL PERSONNEL IN THE FIELD OF PNEUMATIC OPERATION & MAINTENANCE.
9. 3 SETS OF OPERATIONAL & MAINTENANCE MANUALS ,PNEUMATIC CIRCUIT DIAGRAMS, AND ASSEMBLY, LIST/SOURCE/SPECIFICATIONS OF ALL BOUGHT OUT ITEMS, ETC SHALL BE PROVIDED BY VENDOR
10. AMC FOR ONE YEAR ,SUBSEQUENT TO WARRANTY PERIOD SHALL BE OFFERED BY VENDOR HOWEVER BHEL MAY OR MAY NOT OPT FOR IT.
11. VENDOR SHALL ALSO OFFER ALL TYPE OF SPARES/CONSUMABLES WITH LIST OF ITEMS & REQUIRED QUANTITY.
12. VENDOR MUST DISCUSS WITH BHEL IF THERE IS ANY AMBIGUITY REGARDING PNEUMATIC SYSTEM REQUIRED FOR FIXTURE ISOLATION.

*2. AIR BAGS SPECIFICATIONS:-

A. MAKE - M/S VETTER (GERMANY)
B. PRODUCT - V 12
C. ART NO. - 1314002400

(OR) EQUIVALENT

D. LIFTING POWER MAX.- 12 T
E. LIFTING HEIGHT MAX. - 200 MM
F. SIZE - 320 MM x 520 MM
G. PRESSURE - 5 TO 12 BAR

*	2	AIR BAGS			PURCHASED		--			
					-		4+4(SPARE)			
	1	PNEUMATIC CIRCUIT DIAGRAM	R7871-1712/010		PURCHASED		-			
					-		01			
VAR.00	REMARKS	ITEM No.	DESCRIPTION	STD.	DRAWING No.	VAR.	MATERIAL CODE / MATERIAL SPECN.	A/C	UNIT WT.(Kg.)	ZONE
CARD TYPE-3		28 →	28 → CARD TYPE-1				28 → CARD TYPE-2			

GMS No./GR.SP.No.			STATUS OF DRG.	TYPE OF PRODUCT	COMP. DRG. No.
AGREED DEPT.	NAME	SIGN.	DATE	660MW	01030756002
TBM	R.K.RAJAK/ANIL	sd/-	20.5.20	DESIGN ORDER No. NBF/2148	MODEL No. 2-375

M/C TOOL TRANS No. | REF. DRG. No. R7805-3023

GRADE OF UNTOL.DIM. :-
M/CG-E/M/F AA0230208
WELDING-A/B/E/B-AA0621104
GAS CUTTING-T3/AA0621101

REV	DATE	ALTERED / CHECKED	REV	DATE	ALTERED / CHECKED

भारत हेवी इलेक्ट्रिकल्स लिमिटेड BHEL BHARAT HEAVY ELECTRICALS LTD. HARDWAR

	NAME	SIGN.	DATE	No. OF VAR.
DRN.	SJTEDKS	--sd--	29.04.20	
CHD	SJTEKM	--sd--	29.04.20	
APD	AJTEGK	--sd--	21.05.20	

DEPT. JTE | CODE 209 | SCALE NTS | WEIGHT(Kg.) --- | REF. TO ASSY. DRG. | ITEM No. | No. OF ITEM

TITLE PNEUMATIC SCHEME FOR FIRTREE ROOT BLADE VERTICAL CLAMPING

DRAWING No. R7871-1712 | REV. | SHEET No. | No. OF SHEET

SIZE A 0

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INVENTORY No. | SIGN.&DATE | REF. DRG. No.