

ANNEXURE - II**TECHNICAL DELIVERY CONDITIONS****BID NO. DATE:**

SL NO	ITEM DESCRIPTION	VENDOR RESPONSE REQUIRED	VENDOR'S COMMENTS (Fill in appropriate comments)
1	NORTH GEAR BOX ASSEMBLY (HEAVY DUTY). General Arrangement Drg No:1-7-1136-09-00740 Internal Arrangement Drg No:2-7-1136-09-01153, All other BHEL drawing is for reference purpose only. Lubrication Piping Drg No:3-7-1136-09-04644. Motor power:160 KW, Motor Speed: 1500RPM, Output Speed: 180RPM. This gear box service condition is heavy duty and would experience shock load three time per minute, when tube is entering and leaving the machine.	Qty – 4 nos (vendor to note)	
S. No.	Specification	Bidder Response	VENDOR'S COMMENTS (Fill in appropriate comments)
1	Vendor shall design the gearbox as per the BHEL drawings mentioned in the tender. BHEL drawing is for reference purpose only. All mounting dimensions mentioned in the drawing shall be strictly adhered to without any deviations. Vendor drawing shall contain all the dimensional details from BHEL drawing and the technical specification mentioned below in the TDC like material, hardness, tolerance etc.	Vendor to note	
2	Vendor has to visit the site and understand the application after PO placement. Further vendor has to submit detailed drawings with assembly and part drawings for approval. After approval of drawing by M/S BHEL manufacturing can be started.	Vendor to note	
3	Dimensions of pinion shaft and mating helical gear shall be maintained as per drawing. Dimensional tolerance as mentioned in the approved drawing shall be strictly adhered to.	Vendor to note	
4	Gears & Pinions will be of forged 18CrNiMoB-7/case Carburized steel hardened to 60±2 HRC, shrunk fitted on En-9 forged steel shafts.	Vendor to note	

5	Pipeline shall be provided for lubrication of all gears and pinions	Vendor to note	
6	Chemical composition and hardness of material from approved NABL lab shall be submitted.	Vendor to note	
7	Pinion shaft has to be mounted on anti-friction bearings. All Bearings to be directly Purchased from OEM or its Authorized dealers. SKF and FAG only is acceptable	Vendor to note	
8	Vendor should ensure smooth mating of Pinion Gear and helical gear after assembly in gearbox.	Vendor to note	
9	Single helical teeth hardened and Profile Ground on CNC Gear grinder	Vendor should be submit list of machines.	
10	Transparent window provided on top side / both sides of the housing to observe teeth and lubrication	Vendor to note	
11	Lubrication: Forced OIL Lubrication with flow of 25 LPM @ 5 bar pressure. Oil used is SP 220.	Vendor to note	
13	<p>Pre dispatch Inspection: Vendor shall submit dimensional report, chemical composition report, material hardness report and Bearing pre despatch inspection certificate through mail before despatch of material.</p> <p>Trial run of gearbox to be done with forced lubrication as specified and noise level observed to be mentioned. It shall be less than 80DB from 1 metre.</p> <p>Material shall be despatched only after BHEL inspection at vendor's site and further clearance .</p>	Vendor to note	
14	Inspection at BHEL : Inspection of material for chemical composition, hardness and surface roughness shall be carried out at BHEL Lab. Dimensions as per drawing will be checked.	Vendor to note	
15	Vendor shall give warranty for minimum 1 year of satisfactory performance.	ACCEPTED / NOT ACCEPTED	

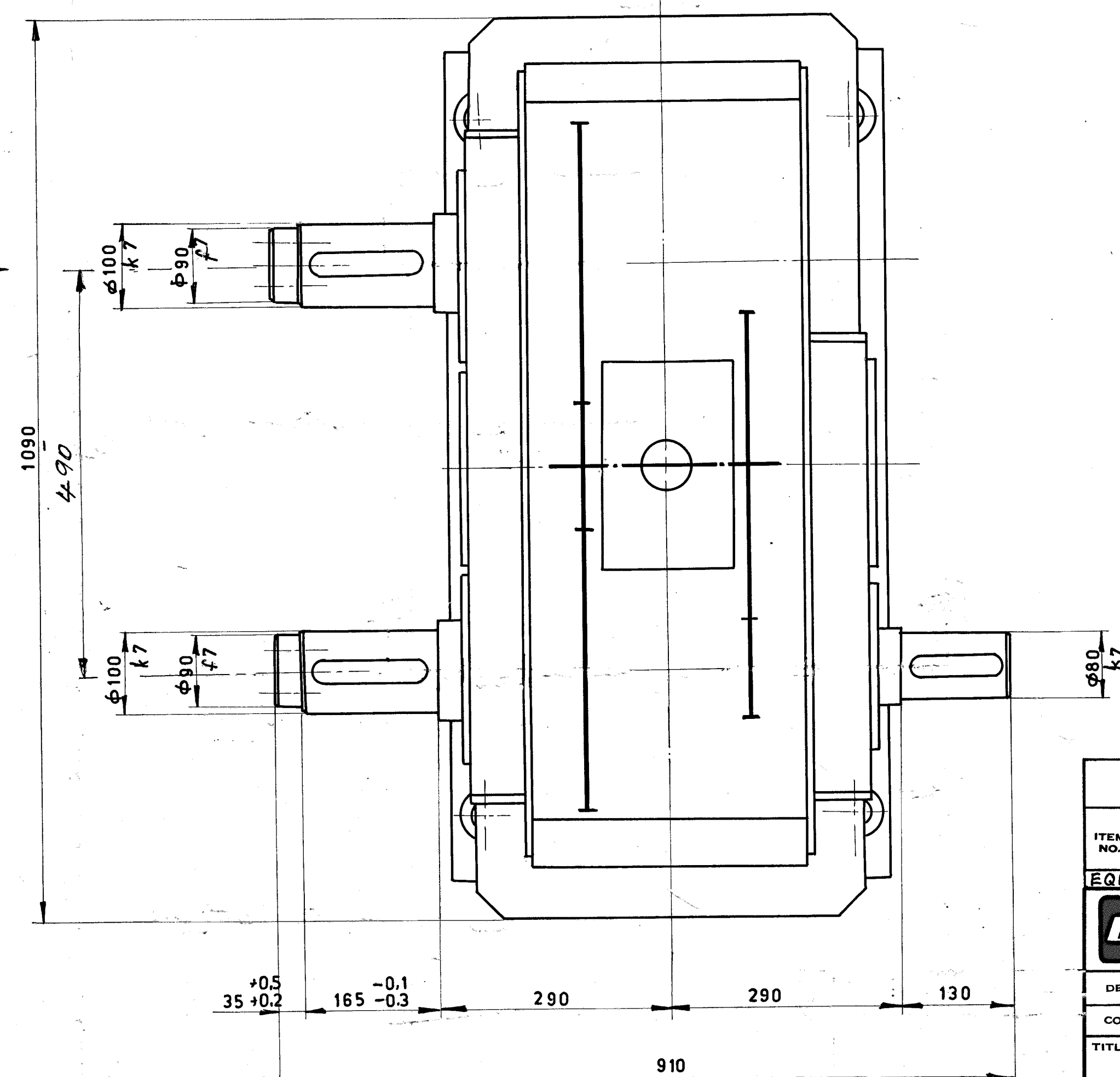
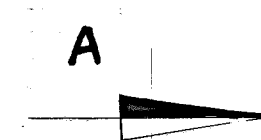
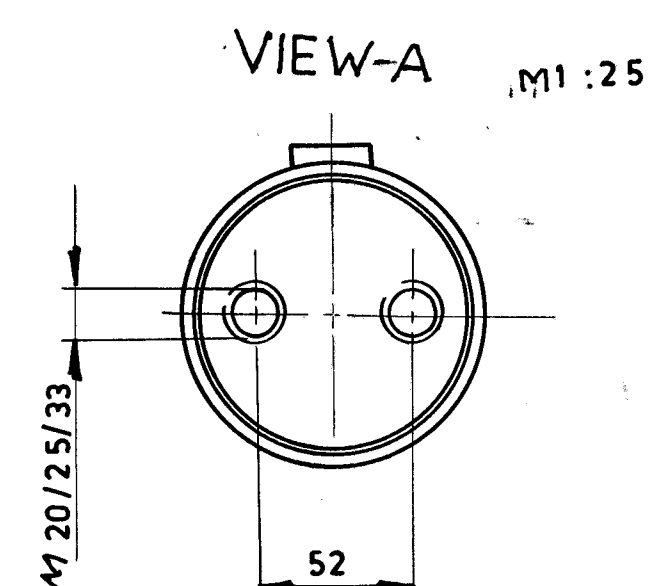
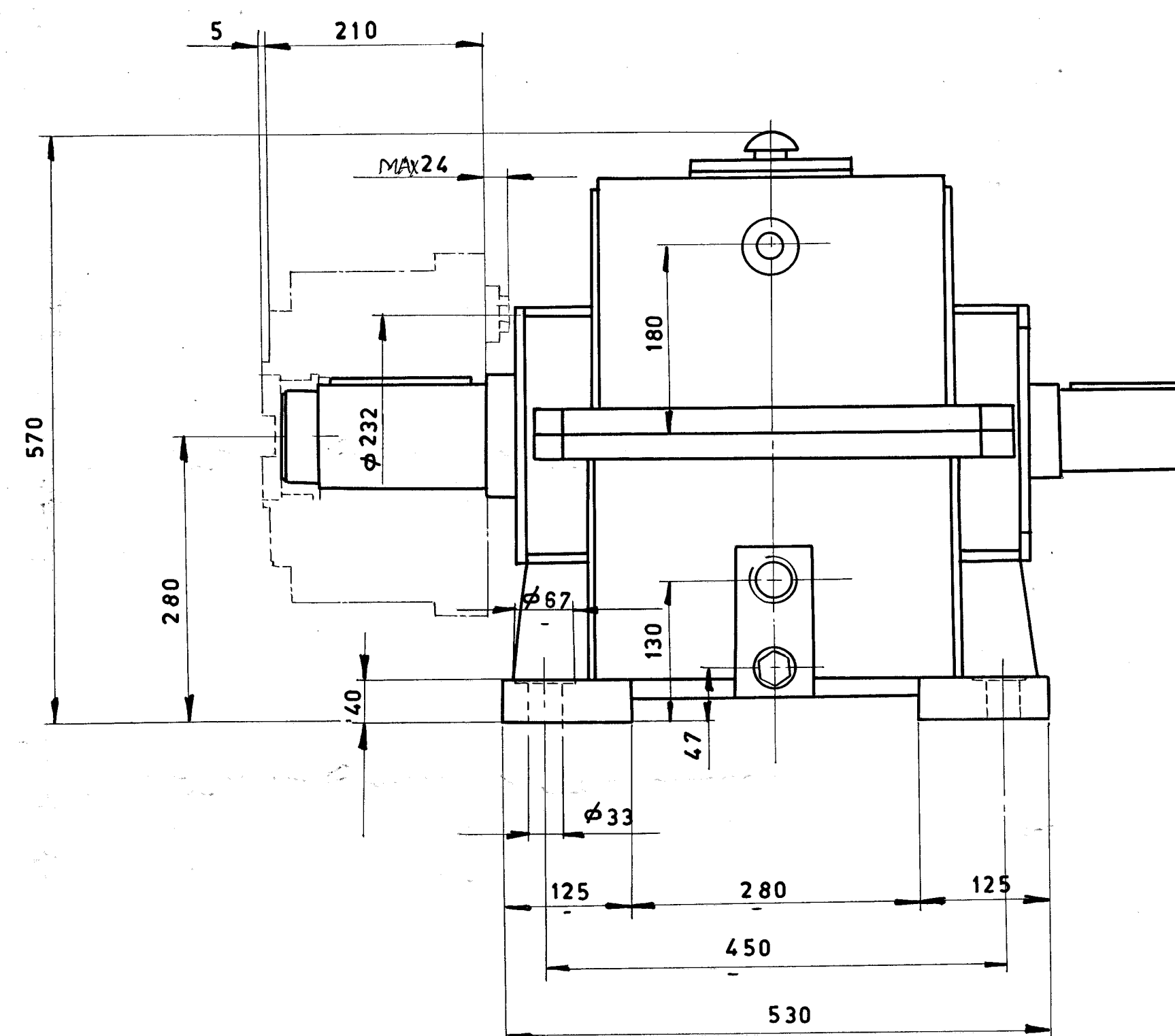
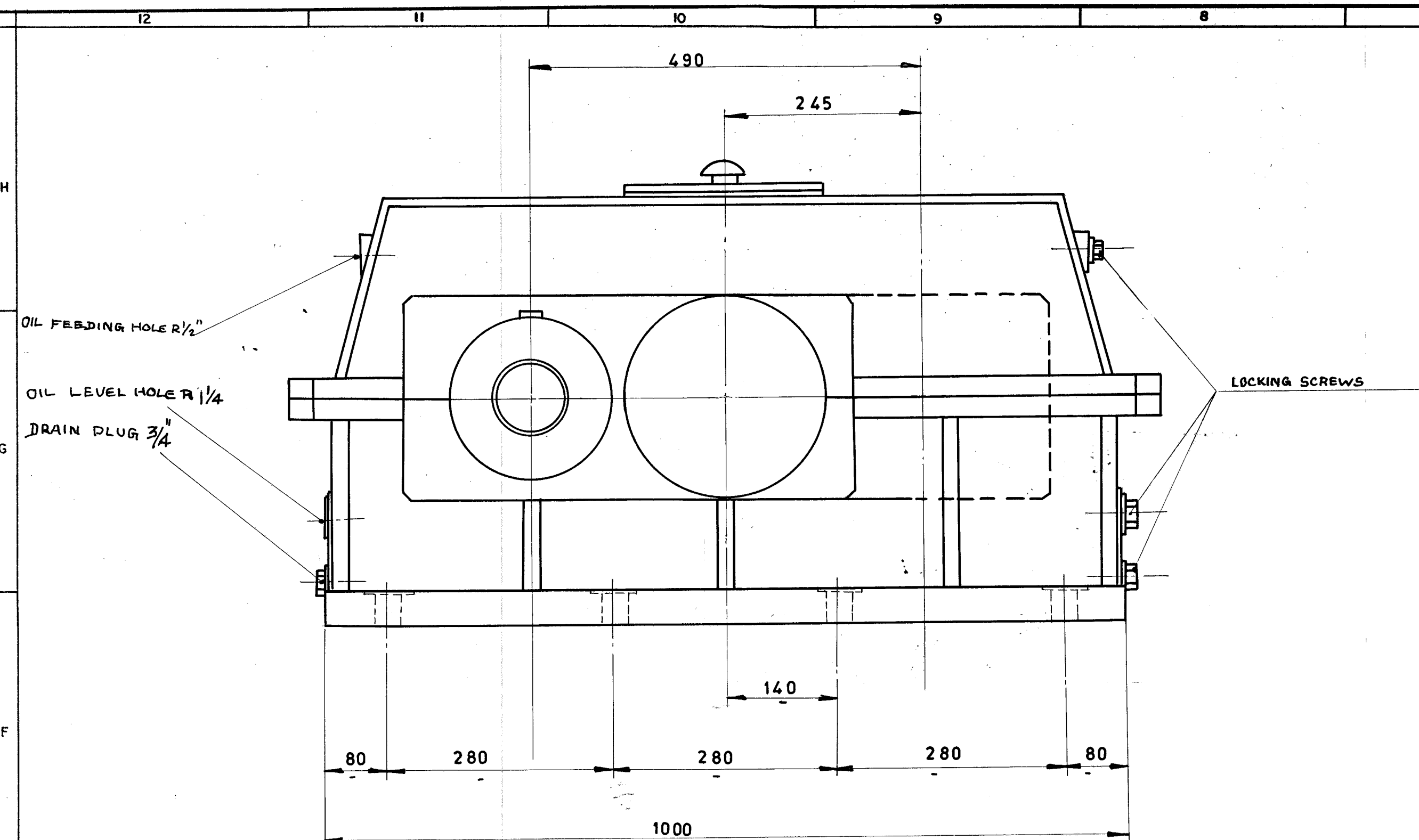
ANNEXURE-I
Pre-Qualification Criteria:

BID No. Date:

SL NO	PRE QUALIFICATION REQUIREMENT	REQUIREMENT	VENDOR'S COMMENTS (Vendor to fill appropriate details)
1	Vendor must be a manufacturer of Heavy Duty Gearbox for minimum five years from the date of tender. For proof, vendor to submit both documents mentioned below, a.) Executed PO copy of not less than 5 years related to Heavy Duty Gearbox. b.) Udyam/registration certificate or equivalent documents to justify 5 years of experience in the relevant field.	Vendor to submit relevant documents	
2	The bidder shall submit previous Purchase Order for Supply of GEARBOX of capacity 160 KW or higher to Steel rolling mills in State/Central/Public listed companies with minimum satisfactory operation for TWO years from the date of tender. The proof of such supply like PO copy along with Tax invoice (Tax Invoice not less than TWO years from date of tender) or other documentary proof for completion of supply shall be submitted with the offer. PO copy other than BHEL supply shall be supported with performance certificate .	Vendor to submit relevant documents	
3	Vendor shall possess a valid ISO 9001:2015 certification in the relevant field.	Vendor to submit relevant documents	
4	Vendor shall possess complete in-house facility for manufacturing of Gearbox. Vendor to submit list of machineries.	Vendor to submit relevant documents	

5	<p>Staggered Delivery: Lot 1 Supply: After Placement of PO, vendor shall visit the site for understanding the application. Detailed assembly with BOM and manufacturing drawing shall be submitted within 1 month from date of PO. After BHEL drawing approval, 2 Nos of gearbox shall be manufactured and supplied within 5 months from date of PO. Drawing approval will happen within 10 days from receipt of drawings. Lot 2 Supply: Manufacturing of lot 2 supply shall happen only after erection & commissioning of items in Lot 1 and further clearance from BHEL. Lot 2 supply shall happen within 10 months from date of PO. Erection & commissioning is in BHEL scope and will be completed within 1 month from date of supply .</p>	ACCEPTED / NOT ACCEPTED	
6	<p>Payment: 90 % on receipt of material , 10 % on completion of commissioning against 10 % Performance Bank Guarantee for a period of 1 year from date of erection & commissioning .</p>	ACCEPTED / NOT ACCEPTED	
	Documents required with offer		
1	<p>Vendor shall submit a.) Executed PO copy of not less than 5 years related to Heavy Duty Gearbox. b.) Udyam/registration certificate or equivalent documents to justify 5 years of experience in the relevant field to meet the requirements of SL NO. 1 of Annexure I PQR. (Avoid attaching multiple PO copies)</p>	Vendor to mention the details of PO attached	
2	<p>Vendor shall submit executed PO copy along with tax invoice (Tax Invoice not less than TWO years from date of tender) or other documentary proof for completion of supply to meet the requirements of SL NO. 2 of Annexure I PQR. (Avoid attaching multiple PO copies) Performance certificate for Non BHEL PO as required shall be submitted with offer</p>	Vendor to mention the details of PO attached	
3	<p>Copy of valid ISO 9001:2015 certification in the relevant field.</p>	Vendor to mention the details of ISO	

		certificate attached	
4	Vendor shall submit list of machineries to complete in-house manufacturing of Gearbox.		



GEAR BOX DETAILS:-

- OUT PUT = 160 KW
- DRIVER SPEED = 1500 R.P.M
- DRIVEN SPEED = 180 RPM
- REDUCTION OF SPEED = 8.33 : 1
- DRIVE - 3 PHASE MOTOR
- NO. OF REVOLUTION AT NOMINAL LOAD 1470-1485 RPM
- DUTY FACTOR = 100%
- AMBIENT TEMP = 50°C
- POWER AT ENDURANCE LIMIT = 300 KW

LUBRICATION SYSTEM

- PRESSURE LUBRICATION = 25 l/min
- HEAT TO BE DISSIPATED 3000 K CAL/HOUR.

NOTE:-
FOR DETAILED GEAR BOX ASSY REF.
DRG. NO. 2-7-1136-09-01153
FOR LUB PIPING REF.
DRG. NO. 3-7-1136-09-04644..

ITEM NO.	DESCRIPTION	DRAWING NO.	MATL. CODE	UNIT WT.
			MATL. SPEC.	QTY.
EQPT: REELER				
Bharat Heavy Electricals Ltd., SEAMLESS STEEL TUBE PLANT TIRUCHIRAPALLI-620 014			DRN. NAME EC-007	SIGN. DATE 28-3-86
DEPT. CODE	GRADE OF UNTO DIM C/M F	SCALE 1:5 1:2.5	WEIGHT (kg) 800 -	REF TO ASSY/OLD DRG 01-21-008-31001
TITLE GEAR BOX	CARD CODE U 01	DRAWING NO. 1-7-1136-09-00740	REV. 00	ITEM NO.

2-7-1136-08-10144

DRAWING NO:

ALL DIMENSIONS ARE IN MILLIMETERS

$\sqrt{Ra\ 3.2}$	$\sqrt{Ra\ 0.8}$	$\sqrt{Ra\ 1.6}$
$\varnothing 101^{h6}$	0	-0.022
$\varnothing 100^{m5}$	+0.028	+0.013
$\varnothing 100^{h6}$	0	-0.022
$\varnothing 90^{f7}$	-0.036	-0.071
28^{p9}	-0.022	-0.074

M20X46 - 2NOS AT PCD 52 EQUI.SPACED

M12X24 - 4NOS AT PCD 62 EQUI.SPACED

M20XDEPTH 65



SECTION - AA

SECTION - BB

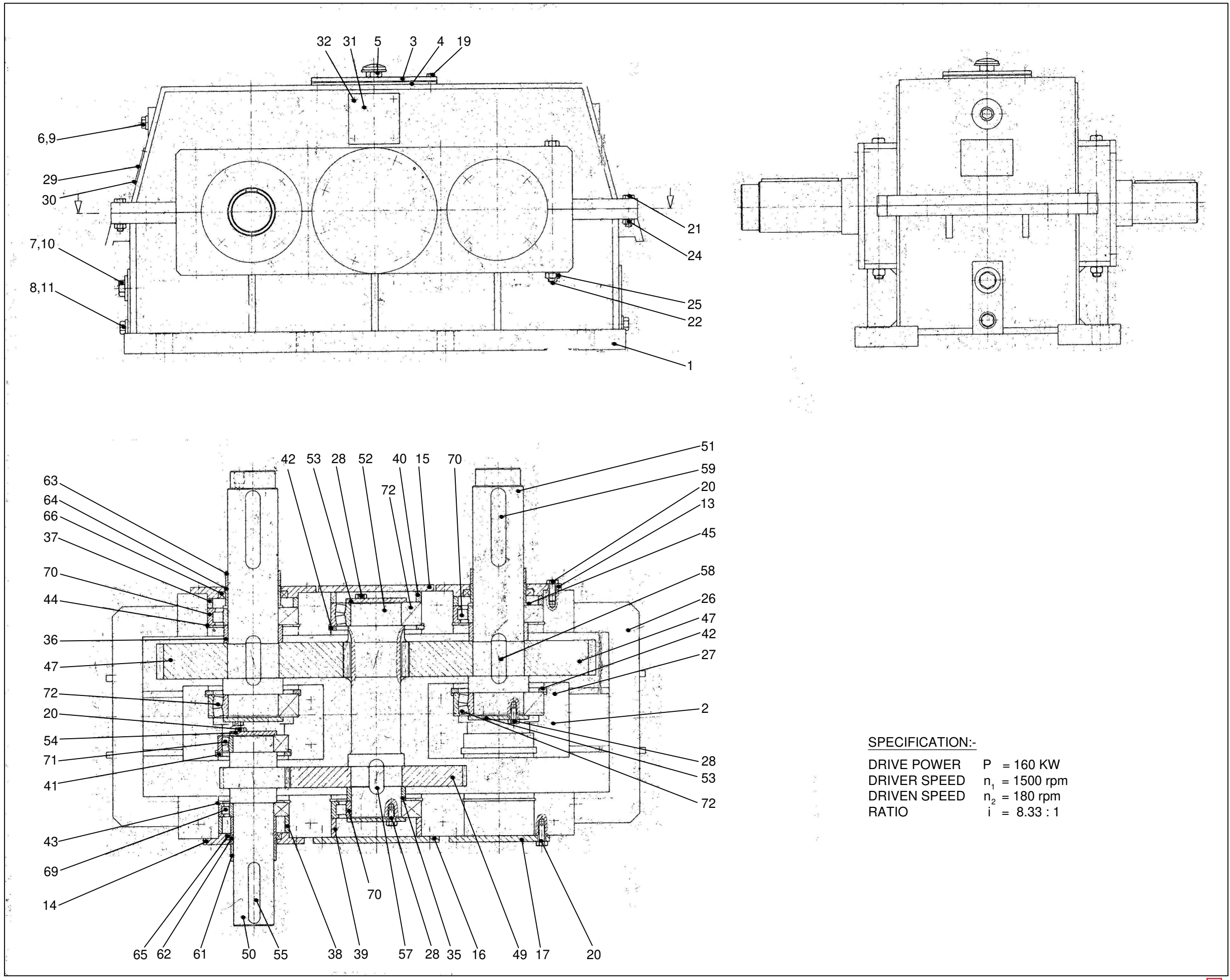
DETAIL - X

DETAIL - Y

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			55C8		IS:1875		
ITEM NO	DESCRIPTION	DRAWING NO	MATL CODE		UNIT WT		
			MATL SPEC		QTY		
EQPT: REELER							
		Bharat Heavy Electricals Ltd SEAMLESS STEEL TUBE PLANT TIRUCHIRAPALLI — 620014		DRN	NAME SSN.KUMAR/KY	SIGNATURE SSN.Kumar/Ky	DATE 22.11.16
				CHD	M.CHANDRAKUMAR	M. Chandrakumar	22.11.16
				APPD	M.CHANDRAKUMAR	M. Chandrakumar	22.11.16
DEPT SSTP	GRADE OF UNTOL. DIM ϕ / M / # IS: 2102		SCALE 1:2	WEIGHT (Kg) 29	REF TO ASSY DWG NO		ITEM
CODE 456					REF TO OLD DWG NO		
TITLE REE - SHAFT III - PPRM MAKE REELER GEAR BOX				CARD CODE U 01	DRAWING NO : 2-7-1136-08-10144		REV 00

A2-SIZE



SPECIFICATION:-
DRIVE POWER P = 160 KW
DRIVER SPEED n₁ = 1500 rpm
DRIVEN SPEED n₂ = 180 rpm
RATIO i = 8.33 : 1

NOTE:-
FOR MOUNTING DIMN.REF.
DRG NO 1-7-1136-09-00740
FOR LUB PIPING REF.
DRG NO 3-7-1136-09-04644

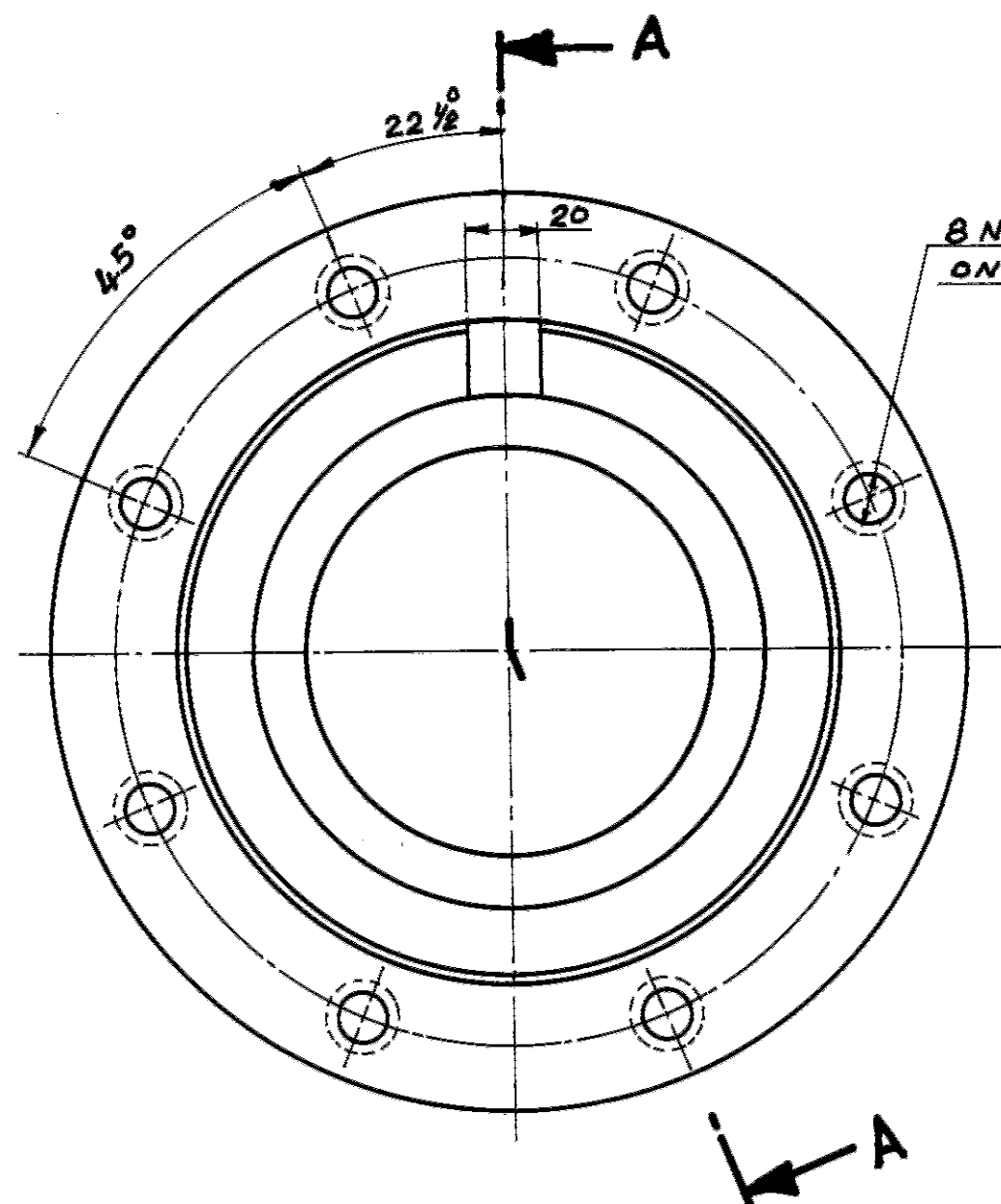
86	PIPE 18 X 1.5 - 820			1	71	SPHERICAL ROLLER BEARING		22216 HL MB FAG	1	2.05	54	END DISC			1	0.4
85	STRAIGHT FITTING			2	70	CYLINDRICAL ROLLER BEARING		NU 220	3	3.40	53	END DISC			4	
84	HEX. HEAD SCREW ISO 4014 - M6 - 8		IS 1364	5	69	CYLINDRICAL ROLLER BEARING		NU 216	1	1.5	52	PINION SHAFT - II	3-7-1136-09-10338	16Mn 5Cr4 IS 4432	1	29
83	PIPE 8 X 1 - 300			2	66	SHAFT SEAL RING 110 X 140 X 13,B2		6230200	2		51	SHAFT - III	2-7-1136-08-10144	55C8 IS1875	2	31
82	PIPE 8 X 1 - 450			2	65	SHAFT SEAL RING 90 X 110 X 13,B2		6230200	1		50	PINION SHAFT - I	3-7-1136-09-10336	16Mn 5Cr4 IS 4432	1	19.7
81	PIPE CLAMP			5	64	INA - RING IR 100 X 110 X 40			2		49	HELICAL GEAR 1	3-7-1136-09-10335	16Mn 5Cr4 IS 4432	1	31.1
80	PIPE 8 X 1 - 430			1	63	INA - RING IR 100 X 110 X 30			2		47	HELICAL GEAR 2	3-7-1136-09-10337	16Mn 5Cr4 IS 4432	2	39.6
72	SPHERICAL ROLLER BEARING		22220 HL MB FAG	4	62	INA - INTERNAL RING	4-7-1136-08-05122	105 Cr 1 IS 1570	1	0.55	45	SUPPORTING DISC SS 100 X 120 X 3.5			2	
				4.85	61	INA - INTERNAL RING	4-7-1136-08-05121	105 Cr 1 IS 1570	1	0.355	44	LOCK RING 180 X 4		IS 3075	3	
					59	FITTING KEY A 28 X 16 X155					43	LOCK RING 140 X 4		IS 3075	1	
					58	FITTING KEY B 28 X 16 X 70										
					57	FITTING KEY B 28 X 16 X 45										
					55	FITTING KEY A 22 X 14 X120										

42	SETTING RING			3
41	SETTING RING			1
40	SPACER RING			1
39	SPACER RING	4-7-1136-08-05119	45C8 IS 1875	1
38	SPACER RING			1
37	SPACER RING			2
36	SPACER RING			2
35	SPACER RING			1
32	NOTCHED PLATE 3 X 8			4
31	NAME PLATE			1
30	NOTCHED NAIL 3 X 8			4
29	RATING PLATE 105 X 74 X 1		LSN 613 8001	1
28	HEX.HEAD SCREW ISO 4014 - M12 X 25 - 8.8		IS 1364	20
27	TAPER PIN 10 X 60		IS 6688	4
26	TAPER PIN 10 X 40		IS 6688	2
25	HEX.NUT ISO 4014 - M16 - 8		IS 1364	8
24	HEX.NUT ISO 4014 - M12 - 8		IS 1364	10
23	HEX.HEAD SCREW ISO 4014 - M16 X 160 - 8.8		IS 1364	8
22	HEX.HEAD SCREW ISO 4014 - M16 X 270 - 8.8		IS 1364	8
21	HEX.HEAD SCREW ISO 4014 - M12 X 55 - 8.8		IS 1364	10
20	HEX.HEAD SCREW ISO 4014 - M12 X 35 - 8.8		IS 1364	40
19	HEX.HEAD SCREW ISO 4014 - M18 X 25 - 8.8		IS 1364	6
17	END COVER			1
16	END COVER			1
15	END COVER			1
14	SEAL COVER	3-7-1136-08-03821	30C8 IS1875	1
13	SEAL COVER	3-7-1136-08-03297	30C8 IS1875	2
11	SEAL RING - FORM A 27 X 32 X 2		DIN 7603-Cu	2
10	SEAL RING - FORM A 42 X 49 X 2		DIN 7603-Cu	2
09	SEAL RING - FORM A 21 X 26 X 1.5		DIN 7603-Cu	2
08	PLUG SCREW BSP 3/4"		DIN 910-5.8	2
07	PLUG SCREW BSP 1 1/2"		DIN 910-5.8	2
06	PLUG SCREW BSP 1/2"		DIN 910-5.8	2
05	AIR VENT BSP 1"		LS-N 625 12	1
04	GASKET			1
03	INSPECTION COVER			1
02	BEARING SUPPORT			2
01	CASING			1
ITEM NO	DESCRIPTION	DRAWING NO	MATL CODE MATL SPEC	UNIT WT QTY
EQPT: REELER				
Bharat Heavy Electricals Ltd SEAMLESS STEEL TUBE PLANT TIRUCHIRAPALLI - 620014				
DEPT SSTP	GRADE OF UNTOL. DIM	SCALE	WEIGHT (Kg)	REF TO ASSY DWG NO
CODE 456	IS:2102		800	REF TO OLD DWG NO 3/3811/1517/0
TITLE REE - GEAR BOX ASSEMBLY			CARD CODE U 01	DRAWING NO : 2-7-1136-09-01153
				REV 01

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REV 01 DATE 01.03.14
ALTERED BY V. Krishnakumar / J. Rn
CHECKED BY S. Loganathan
APPROVED BY M. Chandrakumar
DRAWING CONVERTED TO ACAD

SEC-AA

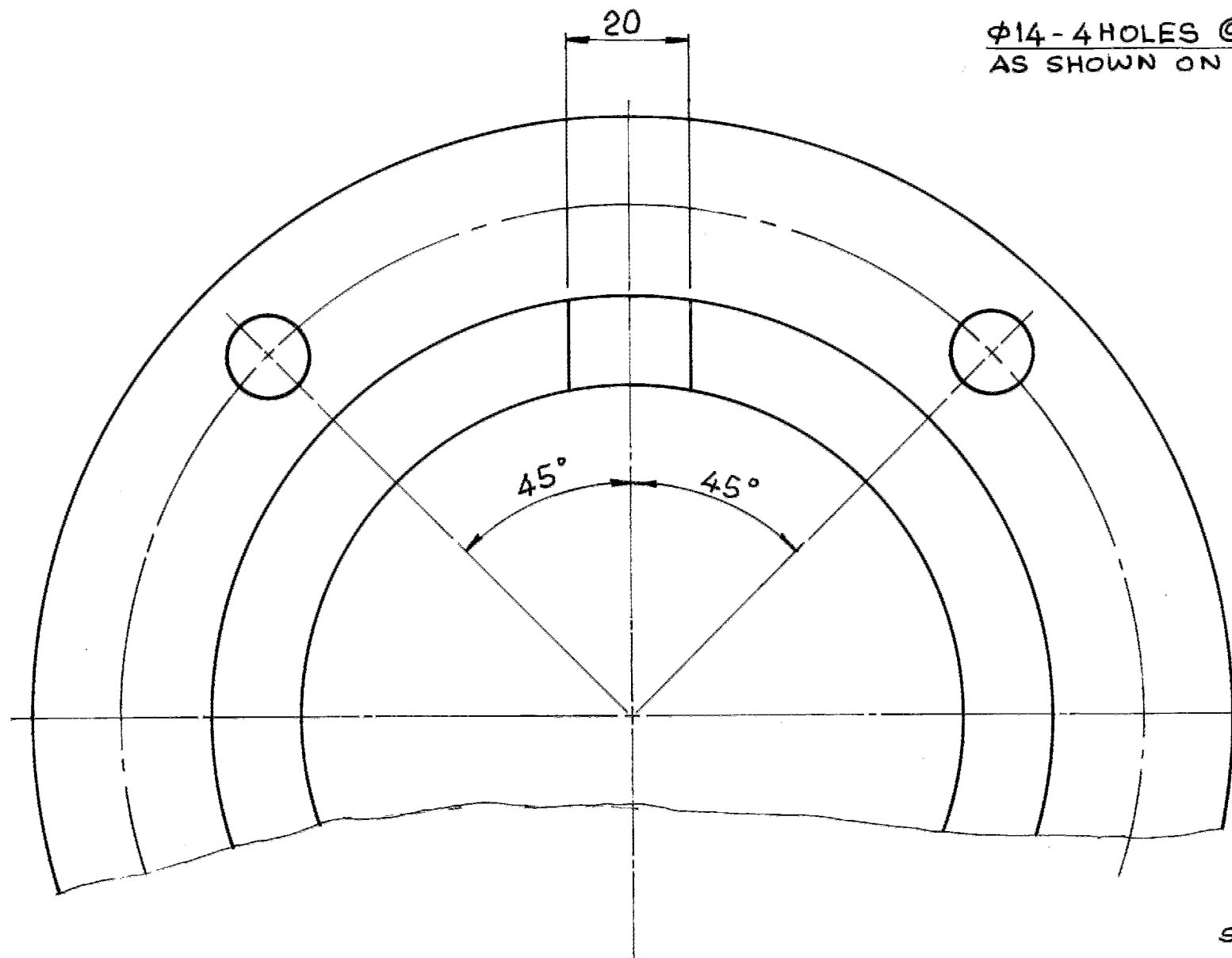


8 NOS EQUI SPACED
ON PCD 215

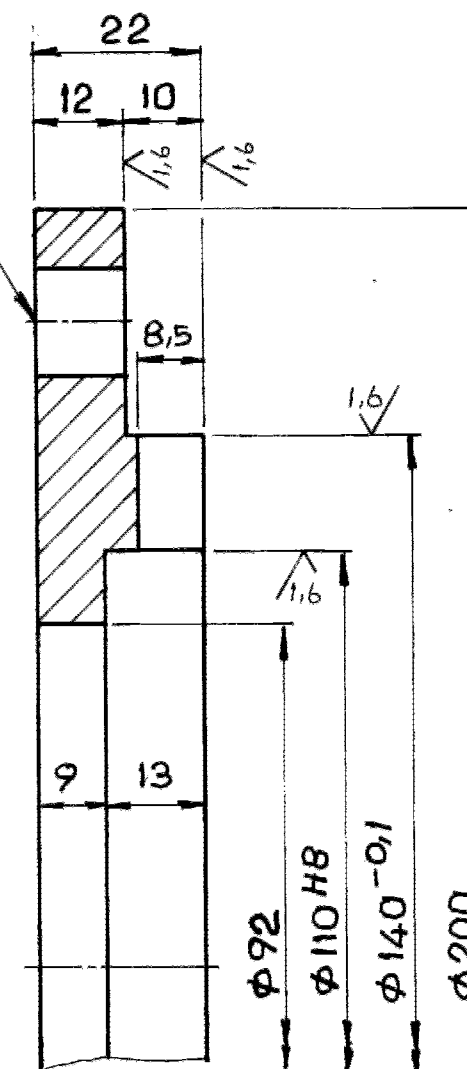
H7	+0,040
$\phi 140$	0,0
g6	-0,014
$\phi 180$	-0,035

			30CB IS: 1875					
ITEM NO.	DESCRIPTION	DRAWING NO.	MATL CODE		UNIT WT			
			MATL SPEC		QTY			
EQPT: REELER								
	Bharat Heavy Electricals Ltd., SEAMLESS STEEL TUBE PLANT TIRUCHIRAPALLI - 620 014		DRN	NAME	SIGN	DATE	NO. OF ITEMS	
			CHD			18.6.91		
			APPD			18.06.91		
DEPT	GRADE OF UNTO DIM		SCALE		WEIGHT (kg)		REF TO ASSY/OLD DRG	ITEM NO.
CODE	C M F		1:2		4.20		4/0421/7029/0	
TITLE			CARD CODE		DRAWING NO		REV	
FLANGE (GEAR BOX OUTPUT SHAFT SIDE)			U 01		3-7-1136-08-03297		00	

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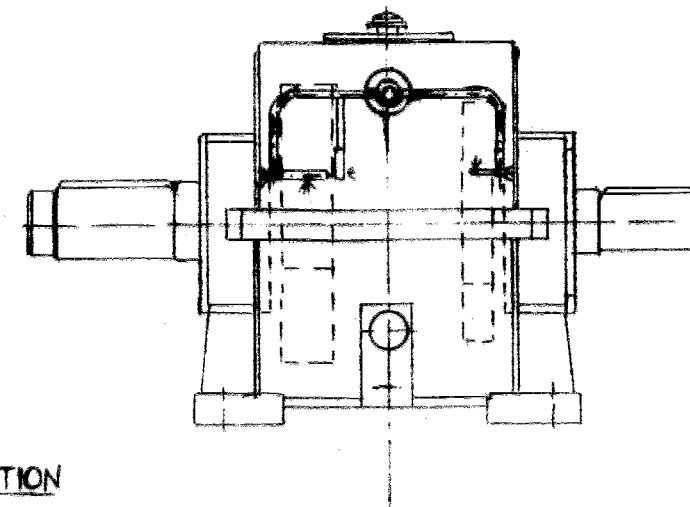
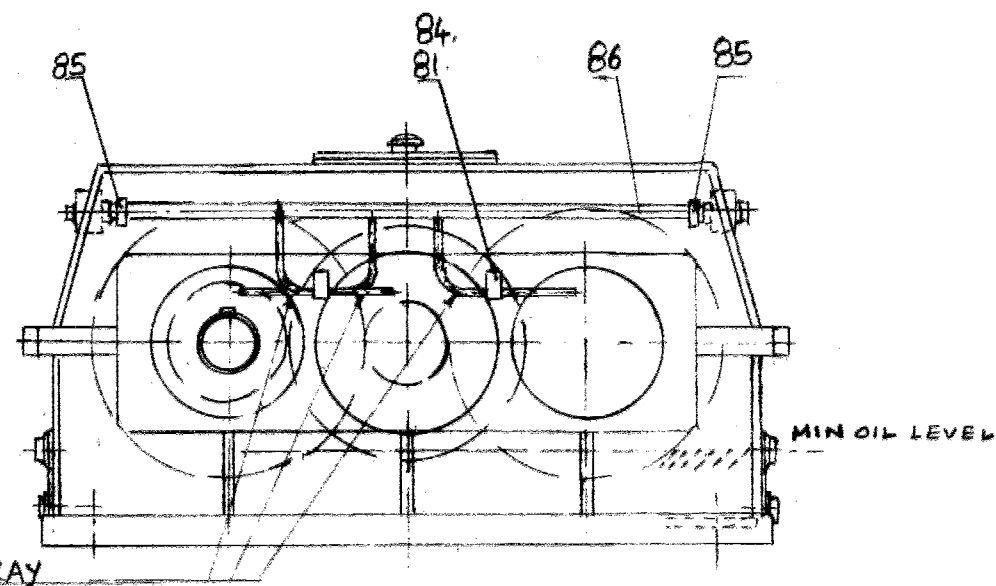
Φ14-4 HOLES @ 90°
AS SHOWN ON PCD 170



Φ110 H8	+0,054
	0

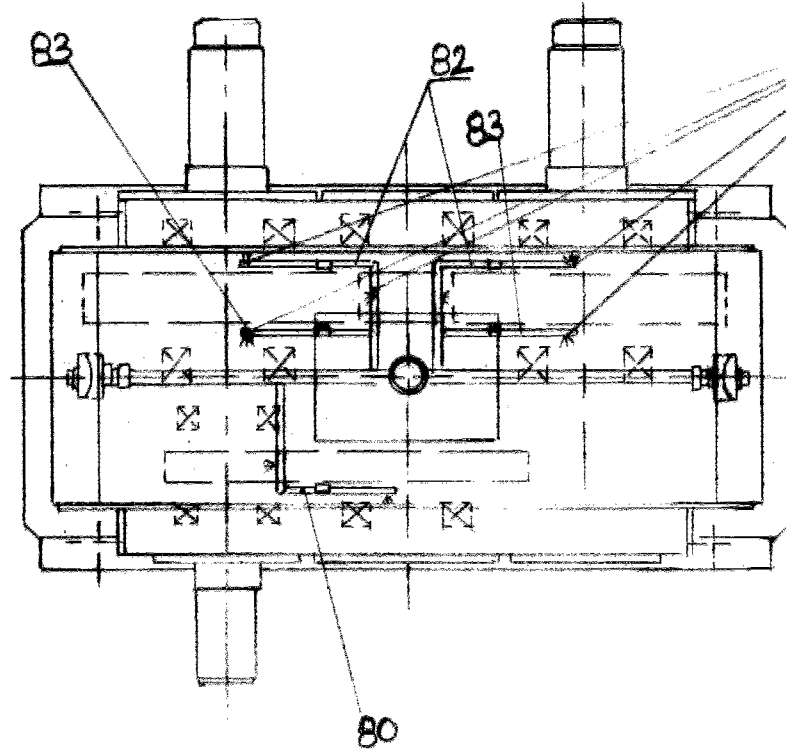
SHARP EDGES TO BE CHAMFERED TO 0,5/45°

ITEM NO.	DESCRIPTION	DRAWING NO.	30C8 IS1875	
			MATL. CODE	UNIT WT.
			MATL. SPEC.	QTY.
EQUIP: REELER				
		Bharat Heavy Electricals Ltd., SEAMLESS STEEL TUBE PLANT TIRUCHIRAPALLI-620 014		
DRN.	NAME	SIGN	DATE	NO. OF ITEMS
CHD.	A. ARDOLIAM	A. Arndoliam	15.10.94	
APPD.	S. SIVANANDAN	S. Sivanandan	15.10.94	
REV.	DATE	ALTERED	CHECKED	
01	16/9/95	S. Sivanandan	A. Arndoliam	
ZONE	APPROVED			
MATL. SPECN. Fe 410 NB IS: 2062 WAS C20 IS: 226.				
DEPT.	GRADE OF UNTOLODIM	SCALE	WEIGHT (Kg)	REF. TO ASBY/OLD DRG.
CODE	C/M/F	1:1	2,7	3/3P11/1517/0
TITLE			CARD CODE	ITEM NO.
SEAL COVER (MAIN DRIVE GEAR BOX-1XB 245/1272)			U 01	14
DRAWING NO.			REV.	
3-7-1136-08-03821			01	



TEETH SPRAY

BEARING LUBRICATION



FOR GEAR BOX ASSY REF DRG. NO. 2-7-1136-09-01153
 FOR MOUNTING DETAILS REF DRG. NO. 1-7-1136-09-00740

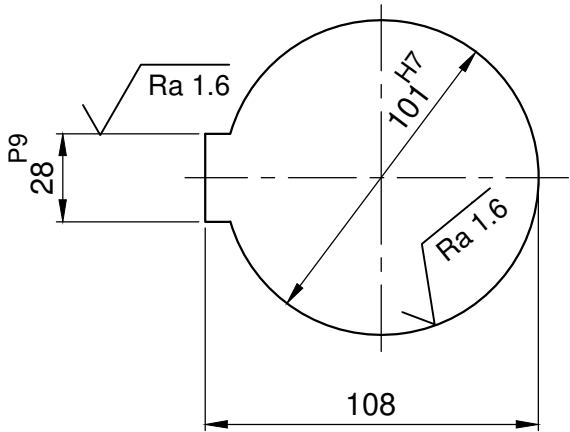
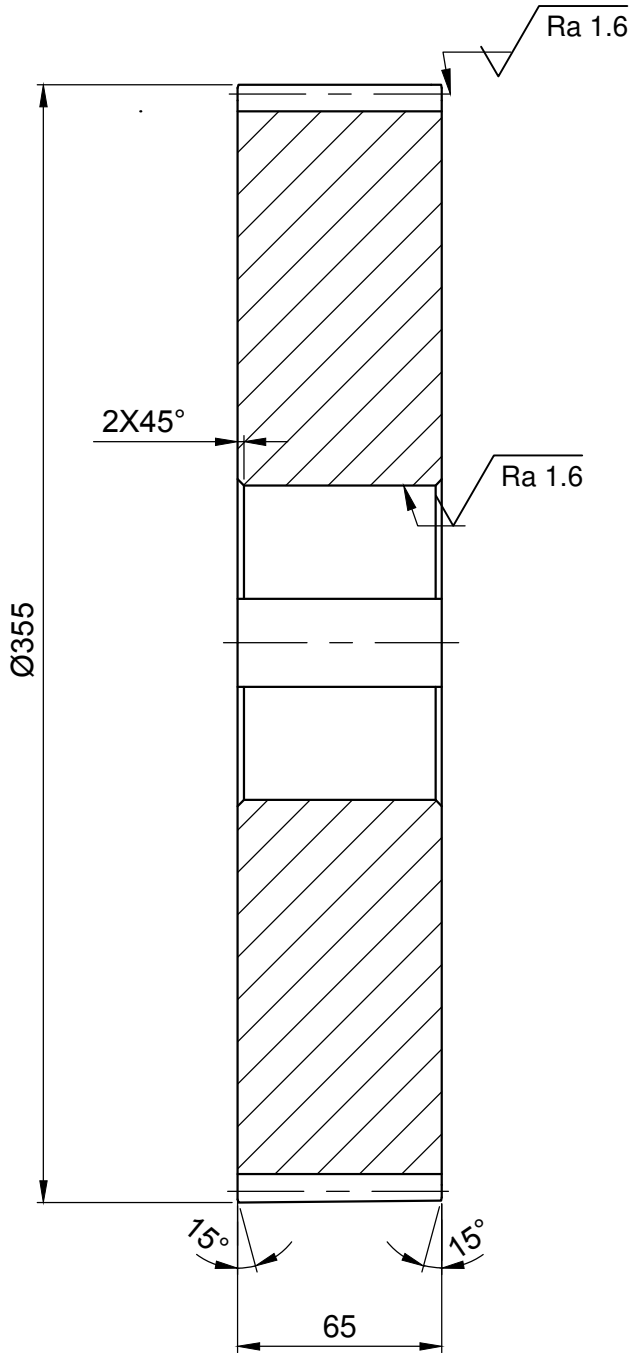
EACH TEETH SPRAY, 3 HOLES DIAMETER OF 2MM
 EACH BEARING LUBRICATION, DIAMETER OF 2MM
 INNER SCREW SECURED
 WITH LOCTITE 270

ITEM NO.	DESCRIPTION	DRAWING NO.	MATL CODE	UNIT WT.
			MATL SPEC.	QTY.
DEPT: REELER				
Bharat Heavy Electricals Ltd. SEAMLESS STEEL TUBE PLANT THIRUVARAPALLI-620 014		DESIGNED BY: R. ANAND CHECKED BY: SSN. KUMAR APPROVED BY: J. R. Jeyaraj	SIGNATURE: [Signature] DATE: 28-02-04 DATE: 28-2-04 DATE: 28-2-04	NO. OF ITEMS
REV. 01	DATE	ALTERED	DEPT: [] GRADE OF [] C/INT: [] SCALE: [] HEIGHT (mm): [] REF TO ASSY OLD DRG: 3/3811/1518/0	
ZONE		CHECKED	TITLE: LUB PIPING MAIN GEAR BOX Dwg Code: U 01 DRAWING NO.: 3-7-1136-09-04644 REV: 00	

ALL DIMENSIONS ARE IN MILLIMETRES

DRAWING NO: 3-7-1136-09-10335

$\sqrt{Ra\ 3.2}$	$(\sqrt{Ra\ 1.6})$
$\varnothing 101^{H7}$	$\begin{matrix} +0.035 \\ 0.000 \end{matrix}$
$\varnothing 28^{P9}$	$\begin{matrix} -0.022 \\ -0.074 \end{matrix}$




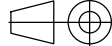
NO. OF TEETH	113
MODULE	3
PRESSURE ANGLE	20°
WIDTH ACROSS '13' TEETH	$116.76^{+0.23}_{-0.17}$
CORRECTION FACTOR	0.51
QUALITY & TOLERANCE ZONE	9CDIN 3967 FOF 60 HRC
NO OF TEETH IN MATING GEAR	45
MATING GEAR DRG NO.	3-7-1136-09-10336
CENTRE DISTANCE	237
HELIX ANGLE	11°
HAND OF THE HELIX ANGLE	RH

NOTES:
ALL SHARP CORNERS CHAMFERED TO BE 1X45°
CASE HARDEN TO HRC 60^{±2} CASE DEPTH 0.5 mm

REV	DATE	ALTERED	<i>S.S.N. Kumar/k.y</i>
01	27.03.2017	CHECKED	<i>M. Chandrakumar</i>
		APPROVED	<i>M. Chandrakumar</i>

DIMENSIONS REVISED
AS PER USER'S REQUEST

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			16Mn5Cr4 IS:4432			
ITEM NO	DESCRIPTION	DRAWING NO	MATL CODE		UNIT WT	
			MATL SPEC		QTY	
EQPT: REELER						
	Bharat Heavy Electricals Ltd SEAMLESS STEEL TUBE PLANT TIRUCHIRAPALLI – 620014	DRN	NAME SSN.KUMAR/K.Y	SIGNATURE SSN.KUMAR/K.Y	DATE 11.05.16	
		CHD	RK.SINGH	RK.SINGH	11.05.16	
		APPD	RK.SINGH	RK.SINGH	11.05.16	
DEPT SSTP	GRADE OF UNTOL. DIM		SCALE	WEIGHT (Kg) 44	REF TO ASSY DWG NO	ITEM
CODE 456	Ø/M/ℱ IS: 2102		1:2		REF TO OLD DWG NO	
TITLE REE - HELICAL GEAR-I Z=113 R.H HEAVY DUTY GEAR BOX - PPRM MAKE				CARD CODE U 01	DRAWING NO : 3-7-1136-09-10335	REV 01

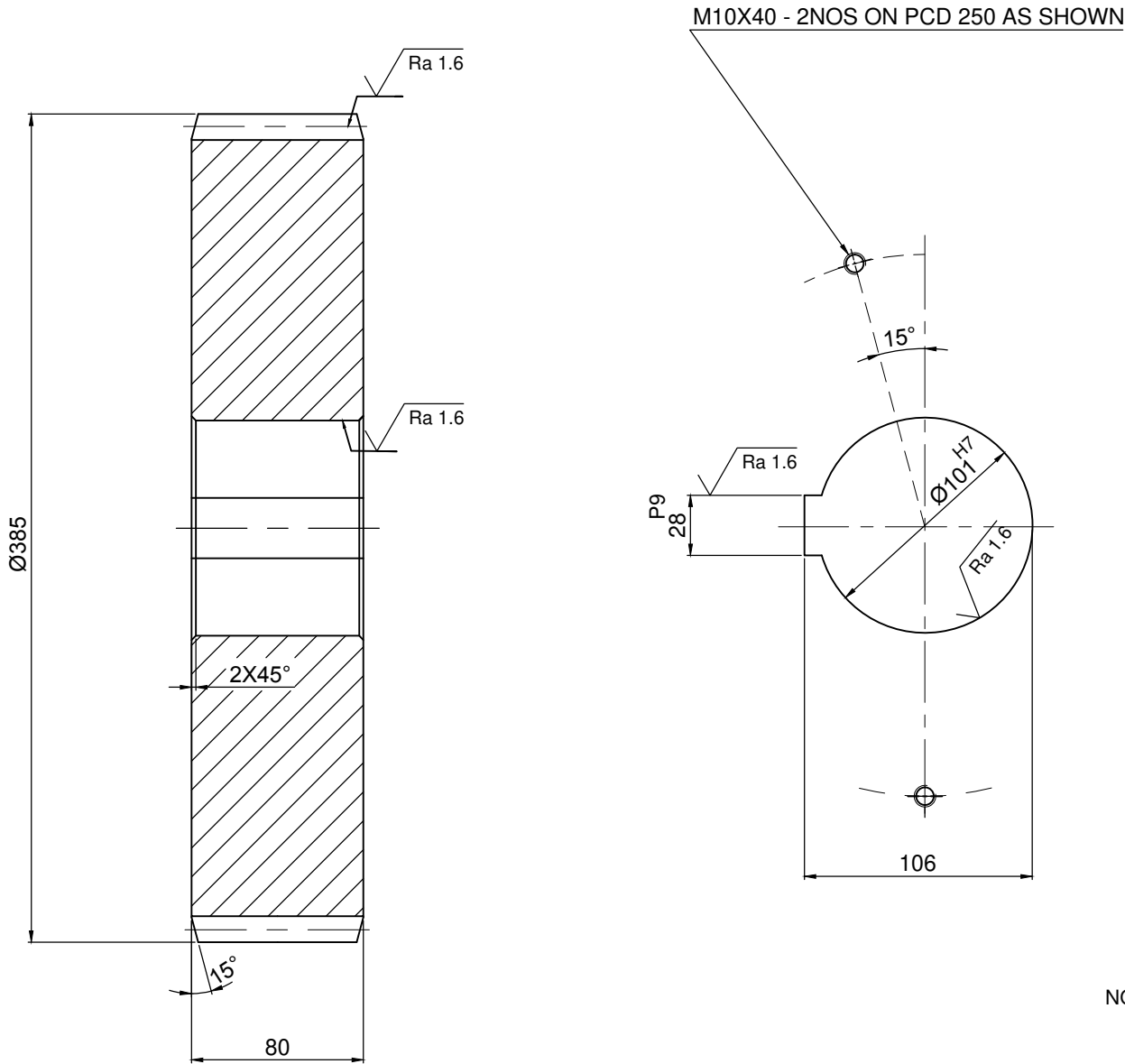
ALL DIMENSIONS ARE IN MILLIMETRES

3-7-1136-09-10337

DRAWING NO:

Ra 3.2 (Ra 1.6)

Ø101	H7	+0.035
		+0.000
28	P9	-0.022
		-0.074





NOTE:
ALL SHARP CORNERS ARE CHAMFERED TO BE 1X45°

NO. OF TEETH	60
MODULE	6.0
PRESSURE ANGLE	20°
WIDTH ACROSS '8' TEETH	137.81 ^{-0.26 -0.19}
CORRECTION FACTOR	-0.17
QUALITY & TOLERANCE ZONE	9CDIN 3967 FOF 60 HRC
NO OF TEETH IN MATING GEAR	18
MATING GEAR DRG NO.	3-7-1136-09-10338
CENTRE DISTANCE	234
HELIX ANGLE	16°
HAND OF THE HELIX ANGLE	LH

REV	DATE	ALTERED	BY
01	22.03.2017	CHECKED	S.N. Kumar/ky
		APPROVED	M. Chandrakumar

DIMENSIONS RECEIVED
ASPER USER'S REQUEST

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			16Mn5Cr4 IS:4432			
ITEM NO	DESCRIPTION	DRAWING NO	MATL CODE		UNIT WT	
			MATL SPEC		QTY	
EQPT: REELER						
<div></div> <div>Bharat Heavy Electricals Ltd SEAMLESS STEEL TUBE PLANT TIRUCHIRAPALLI – 620014</div>		DRN	NAME SSN.KUMAR/K.G	SIGNATURE SSN.KUMAR/K.G	DATE 04.06.16	
		CHD	RK.SINGH	RK.Singh	04.06.16	
		APPD	RK.SINGH	RK.Singh	04.06.16	
DEPT SSTP	GRADE OF UNTOL. DIM		SCALE	WEIGHT (Kg)	REF TO ASSY DWG NO —	ITEM
CODE 456	Ø/M/£ IS: 2102		1:3		63	
TITLE REE - HELICAL GEAR-II Z=60 L.H HEAVY DUTY GEAR BOX - PPRM MAKE				CARD CODE U 01	DRAWING NO : 3-7-1136-09-10337	REV 01

A3-SIZE

ALL DIMENSIONS ARE IN MILLIMETRES

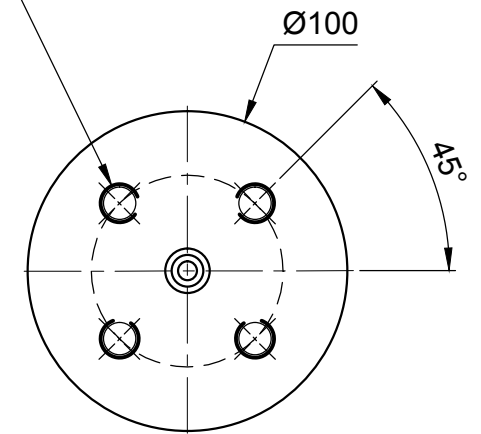
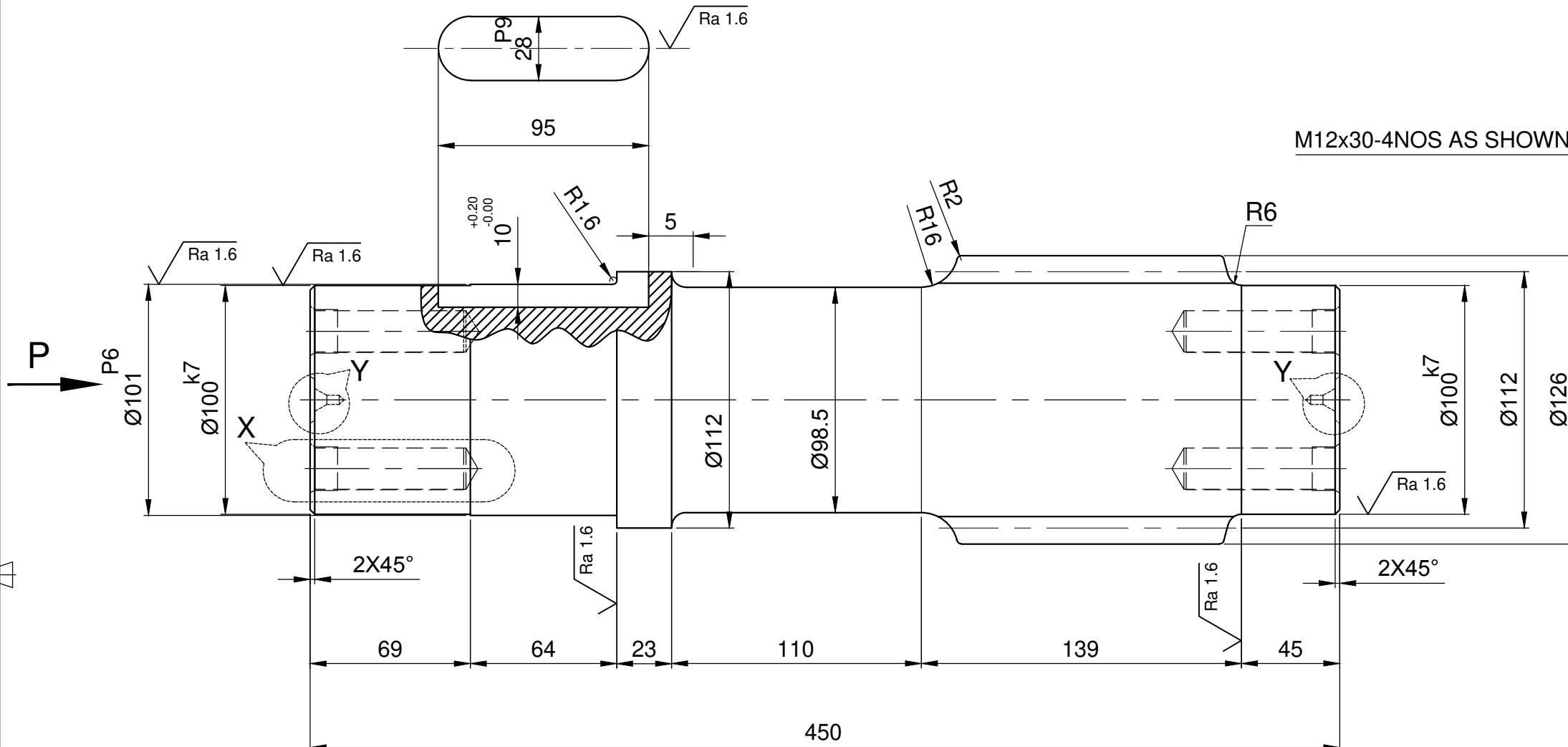
3-7-1136-09-10338

DRAWING NO:

Ra 3.2 (Ra 1.6)

$\varnothing 100^{k7}$	$+0.038$ $+0.003$
$\varnothing 101^{P6}$	$+0.059$ $+0.037$
28^{P9}	-0.022 -0.074

M12x30-4NOS AS SHOWN ON PCD60

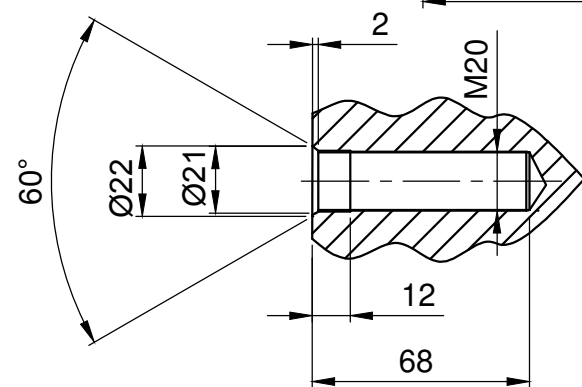


VIEW - P, Q

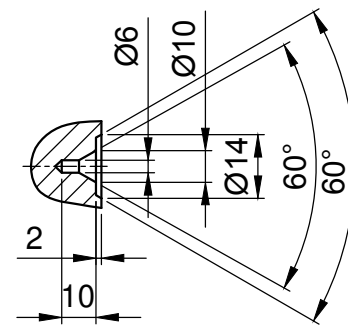
NO. OF TEETH	18
MODULE	6.0
PRESSURE ANGLE	20°
WIDTH ACROSS '2' TEETH	$28.77^{+0.23}_{-0.17}$
CORRECTION FACTOR	0.13
QUALITY & TOLERANCE ZONE	9CDIN 3967 FOF 60 HRC
NO OF TEETH IN MATING GEAR	60
MATING GEAR DRG NO.	3-7-1136-09-10337
CENTRE DISTANCE	234
HELIX ANGLE	16°
HAND OF THE HELIX ANGLE	RH

NOTE:

- 1) ALL SHARP CORNERS ARE CHAMFERED TO BE 1X45°
- 2) CASE HARDEN TO HRC 60^{±2} CASE DEPTH 0.5MM



DETAIL - X



DETAIL - Y

REV 02	DATE 19.05.18	ALTERED CHECKED APPROVED	S.N. Kumar/B.N. D. Chandrasekar	REV 01	DATE 27.03.17	ALTERED CHECKED APPROVED	S.N. Kumar/k.y M. Chandrakumar
--------	---------------	--------------------------	---------------------------------	--------	---------------	--------------------------	--------------------------------

VIEW-P,Q ADDED.

MISSING DIMENSIONS ADDED.

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ITEM NO	DESCRIPTION	DRAWING NO	16Mn5Cr4 IS:4432	UNIT WT
			MATL CODE	QTY
			MATL SPEC	
EQPT: REELER				
Bharat Heavy Electricals Ltd		DRN	NAME SSN.KUMAR/K.G	SIGNATURE S.N. KUMAR/K.G
SEAMLESS STEEL TUBE PLANT		CHD	RK.SINGH	04.06.16
TIRUCHIRAPALLI - 620014		APPD	RK.SINGH	04.06.16
DEPT SSTP	GRADE OF UNTOL. DIM	SCALE	WEIGHT (Kg)	REF TO ASSY DWG NO
CODE 456	$\varnothing/M/F$ IS: 2102	1:2	29	REF TO OLD DWG NO
TITLE			CARD CODE	DRAWING NO :
REE - PINION SHAFT-II Z=18 R.H			U 01	3-7-1136-09-10338
HEAVY DUTY GEAR BOX - PPRM MAKE				REV 02

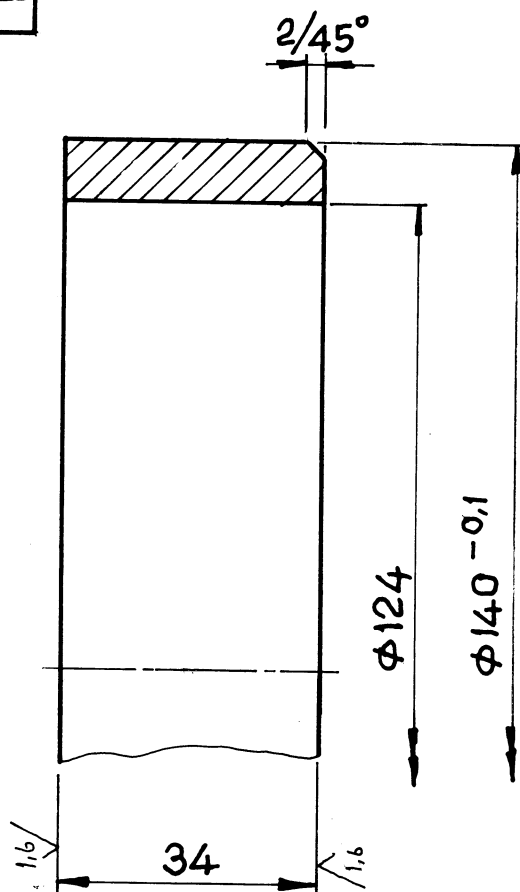
A3-SIZE

FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

CAUTION THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LTD. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY.

REV. 01	DATE 16-09-94	ALTERED S. Mohanraj
		CHECKED A. Chinnli
ZONE		APPROVED S. Mohanraj
MATL. SPECN 45CB IS:1875 WAS C30 IS:226		

3.2 / 1.6 /



ITEM NO.	DESCRIPTION	45 CB	IS:1875
		MATL. CODE	UNIT WT.
		MATL. SPEC	QTY.

EQPT: REELER



Bharat Heavy Electricals Ltd.,
SEAMLESS STEEL TUBE PLANT
TIRUCHIRAPALLI-620 014

DRN.	NAME S. RAJENDRAN	SIGN S. Rajendran	DATE 15-10-94
CHKD.	A. AROCKIAM	A. Chinnli	15-10-94
APPD.	S. SHANMUGA SUNDARAM	S. Shanmuga Sundaram	15-10-94

DEPT.	GRADE OF UNTOL. DIM. C/M/F	SCALE 1:1	WEIGHT (Kg) 0.9	REF. TO ASSY./OLD DRG. 3/381/1517/0	ITEM NO. 38
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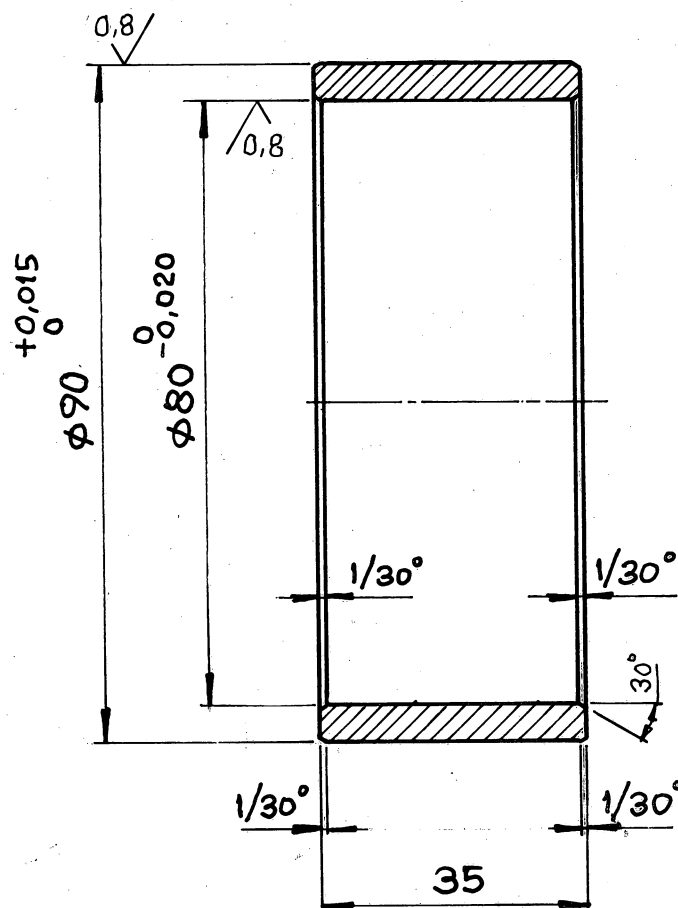
TITLE SPACER RING (MAIN DRIVE GEAR BOX-1XB 245/1272)	CARD CODE U 01	DRAWING NO. 4-7-1136-08-05119	REV. 01
-------------------------------------------------------------------	-------------------	----------------------------------	------------

FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

3/2

0.8

REV. 01	DATE 16/9/83	ALTERED <i>S. Shanmuga Sundaram</i>
CHECKED <i>S. Shanmuga Sundaram</i>		
APPROVED <i>S. Shanmuga Sundaram</i>		
MATL. SPECN. 105 Cr 5 IS: 1570 Part 4 WAS 105 Cr 1 IS: 1570		



HARDEN TO HRC 62 \pm 2

ITEM NO.	DESCRIPTION	105 Cr 5 IS: 1570 Part 4	
		MATL. CODE	UNIT WT.
		MATL. SPEC	QTY.

EQPT: REELER



Bharat Heavy Electricals Ltd.,
SEAMLESS STEEL TUBE PLANT
TIRUCHIRAPALLI-620 014

DRN.	NAME	SIGN	DATE
CHD.	A. AROCKIAM	<i>A. Arockiam</i>	14-10-94
APRD.	S. SHANMUGA SUNDARAM	<i>S. Shanmuga Sundaram</i>	15-10-94

DEPT.	GRADE OF UNTOL. DIM. C/M/F	SCALE 1:1	WEIGHT (KG) 0.355	REF. TO ASSY./OLD DRG. 3/3811/1517/0	ITEM NO. 61
TITLE INNER RING ($\phi 80/90 \times 35$) (MAIN DRIVE GEAR BOX - I X B 245/1272)			CARD CODE U 01	DRAWING NO. 4-7-1136-08-05121	REV. 01

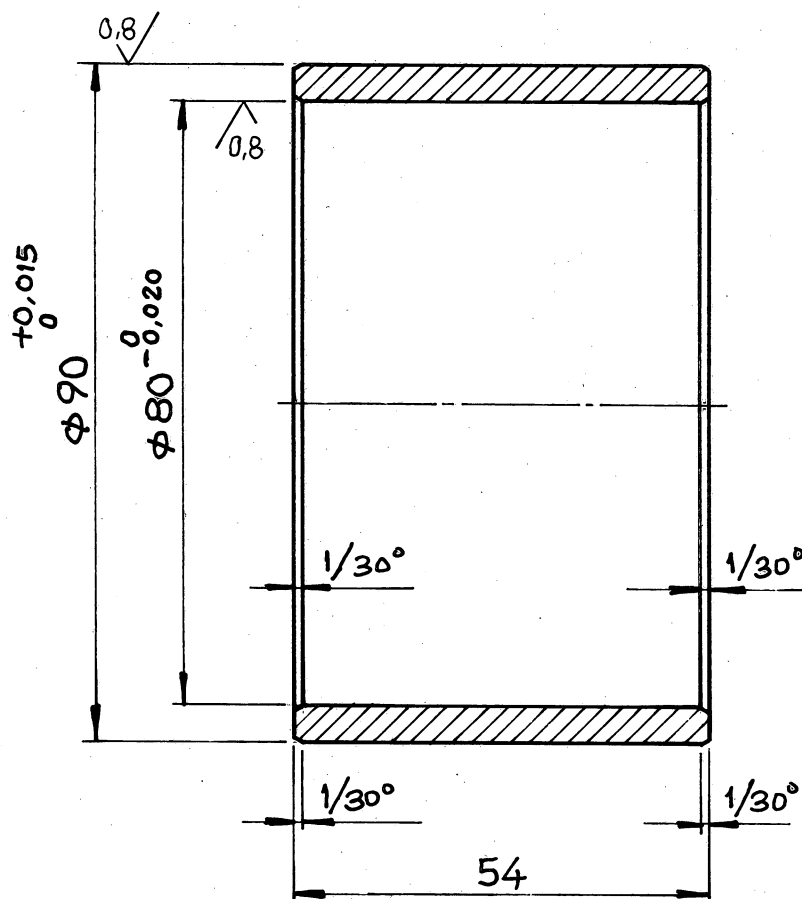
FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

05-245/13

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REV. 01	DATE 16/9/95	ALTERED <i>S. Rajendran</i>
		CHECKED <i>A. Arackiam</i>
ZONE	APPROVED <i>S. Shaamvar Sundaram</i>	
MATL. SPECN. 105 Cr 5 IS: 1570 PART 4 WAS 105 Cr 1 IS: 1570		



32 / 018 /



HARDEN TO HRC 62^{±2}

ITEM NO.	DESCRIPTION	105Cr5 IS: 1570 Part 4	
		MATL. CODE	UNIT WT.
		MATL. SPEC	QTY.

EQPT: REELER

 Bharat Heavy Electricals Ltd., SEAMLESS STEEL TUBE PLANT TIRUCHIRAPALLI-620 014		DRN.	NAME	SIGN	DATE
		CHD.	A. AROCKIAM	<i>A. Arackiam</i>	14.10.94
		APPD.	S. SHAMVAR SUNDARAM	<i>S. Shaamvar Sundaram</i>	15.10.94
DEPT.	GRADE OF UNTOL. DIM. C/M/F	SCALE		WEIGHT (Kg)	REF. TO ASSY./OLD DRG.
CODE		1:1		0,550	3/3811/1517/0
TITLE		CARD CODE	DRAWING NO.		REV.
INNER RING (φ80/90x54) (MAIN DRIVE GEAR BOX-1XB 245/1272)		U 01	4-7-1136-08-05122		01

ANNEXURE 10: DECLARATION

Date:

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir/ Madam,

Sub: Details of related firms and their area of activities

Please find below details of firms owned by our family members that are doing business/ registered for same item with BHEL, _____ (NA, if not applicable)

1	Material Category/ Work Description	
	Name of Firm	
	Address of Firm	
	Nature of Business	
	Name of Family Member	
	Relationship	
2	Material Category/ Work Description	
	Name of Firm	
	Address of Firm	
	Nature of Business	
	Name of Family Member	
	Relationship	
..

Note: I certify that the above information is true and I agree for penal action from BHEL in case any of the above information furnished is found to be false.

Regards,

(_____)

From: M/s _____

Supplier Code: _____

Address: _____

ANNEXURE 11 : DECLARATION FOR RELATION IN BHEL

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder failing which the offer of Bidder is liable to be summarily rejected)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub: Declaration for relation in BHEL

Ref: 1) GeM Bid Specification No:

I/We hereby submit the following information pertaining to relation/relatives of Proprieter/Partner(s)/ Director(s) employed in BHEL

Tick (✓) any one as applicable:

1. The Proprieter, Partner(s), Director(s) of our Company/Firm DO NOT have any relation or relatives employed in BHEL

OR

2. The Proprieter, Partner(s), or Director(s) of our Company/Firm HAVE relation/relatives employed in BHEL and their particulars are as below:

i.

ii.

(Signature, Date & Seal of Authorised

Signatory of the bidder)

Note:

1. Attach separate sheet, if necessary.

2. If BHEL Management comes to know at a later date that the information furnished by the Bidder is false, BHEL reserves the right to take suitable action against the Bidder/Contractor.

ANNEXURE 12: DECLARATION REGARDING MINIMUM LOCAL CONTENT IN LINE WITH REVISED PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA), ORDER 2017 DATED 04TH JUNE, 2020 AND SUBSEQUENT ORDER(S)

(To be typed and submitted in the Letter Head of the Entity/Firm providing certificate as applicable)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub: Declaration reg. minimum local content in line with Public Procurement (Preference to Make in India), Order 2017-Revision, dated 04th June, 2020 and subsequent order(s).

Ref: 1) GeM Bid Specification No:

2) All other pertinent issues till date

We hereby certify that the items/works/services offered by..... (specify the name of the organization here) has a local content of _____ % and this meets the local content requirement for 'Class-I local supplier' / 'Class II local supplier' ** as defined in Public Procurement (Preference to Make in India), Order 2017-Revision dated 04.06.2020 issued by DPIIT and subsequent order(s).

The details of the location(s) at which the local value addition is made are as follows:

1. _____

2. _____

Thanking you,

Yours faithfully,

(Signature, Date & Seal of Authorised

Signatory of the Bidder)

** - Strike out whichever is not applicable

Note:

1. Bidders to note that above format, duly filled & signed by authorized signatory, shall be submitted along with the techno-commercial offer.
2. In case the bidder's quoted value is in excess of Rs. 10 crores, the authorized signatory for this declaration shall necessarily be the statutory auditor or cost auditor of the company (in the case of companies) or a practising cost accountant or practicing chartered accountant (in respect of suppliers other than companies).
3. In the event of false declaration, actions as per the above order and as per BHEL Guidelines shall be initiated against the bidder.

**ANNEXURE 13: DECLARATION REGARDING COMPLIANCE TO RESTRICTIONS
UNDER RULE 144 (xi) OF GFR 2017**

(To be typed and submitted in the Letter Head of the Entity/ Firm providing certificate as applicable)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub: Declaration regarding compliance to Restrictions under Rule 144 (xi) of GFR 2017

Ref: 1) GeM Bid Specification No:

2) All other pertinent issues till date

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. I certify that _____ (SPECIFY THE NAME OF THE ORGANIZATION HERE), is not from such a country/ has been registered with the Competent Authority (attach valid registration by the Competent Authority, i.e., the Registration Committee constituted by the Dept. for Promotion of Industry and Internal Trade (DPIIT)).

I hereby certify that we fulfil all requirements in this regard and is eligible to be considered.

Thanking you,
Yours faithfully,

(Signature, Date & Seal of Authorised
Signatory of the bidder)

Note: Bidders to note that in case above certification given by a bidder, whose bid is accepted, is found to be false, then this would be a ground for immediate termination and for taking further action in accordance with law and as per BHEL guidelines.

ANNEXURE 14: BANK ACCOUNT DETAILS FOR E-PAYMENT

(To be given on Letter head of the Company /Firm of Bidder, and **ENDORSED (SIGNED & STAMPED)**
BY THE BANK to enable BHEL release payments through Electronic Fund Transfer (EFT/RTGS)

1. Beneficiary Name :

2. Beneficiary Account No. :

3. Bank Name & Branch :

4. City/Place :

5. 9 digit MICR Code of Bank Branch :

6. IFSC Code of Bank Branch :

7. Beneficiary E-mail ID :

(for payment confirmation)

NOTE: In case Bank endorsed certificate regarding above has already been submitted earlier, kindly submit photocopy of the same

ANNEXURE 15: POWER OF ATTORNEY for SUBMISSION OF TENDER

KNOW ALL MEN BY THESE PRESENTS, that I/We do hereby make, nominate, constitute and appoint Mr., whose signature given below herewith to be true and lawful Attorney of M/s..... hereinafter called 'Company', for submitting Tender/entering into Contract and inter alia, sign, execute all papers and to do necessary lawful acts on behalf of Company with M/s Bharat Heavy Electricals Ltd, Central Procurement Cell (CPC), in connection withvide GeM

Bid No: _____, dated _____.

And the Company do hereby agree to ratify and confirm all acts, deeds, things or proceedings as may be lawfully done by the said attorney and by or on behalf of the company and in the name of the company, by virtue of the powers conferred herein and the same shall be binding on the company and shall have full force and effect.

IN WITNESS WHEREOF, the common seal of the company has been hereunto affixed in the manner hereinafter appearing on the document.

Dated at _____, this _____ day of _____

Director/CMD/Partner/Proprietor

Signature of Mr.

Attested by: Director/CMD/Partner/Proprietor

ANNEXURE 16: PROFORMA OF BANK GUARANTEE FOR EARNEST MONEY

(On non-Judicial paper of appropriate value)

Bank Guarantee No.....

Date.....

To

(Employer's Name and Address)

.....

Dear Sirs,

In accordance with the terms and conditions of Invitation for Bids/Notice Inviting Tender No.....¹(Tender Conditions), M/s. having its registered office at² (hereinafter referred to as the 'Tenderer'), is submitting its bid for the work of.....³ invited by⁴.(name of the Employer) through its Unit at(The Tender Conditions provide that the Tenderer shall pay a sum of Rs as Earnest Money Deposit in the form therein mentioned. The form of payment of Earnest Money Deposit includes Bank Guarantee executed by a Scheduled Bank. In lieu of the stipulations contained in the aforesaid Tender Conditions that an irrevocable and unconditional Bank Guarantee against Earnest Money Deposit for an amount of⁵ is required to be submitted by the Tenderer as a condition precedent for participation in the said Tender and the Tenderer having approached us for giving the said Guarantee,

we, the[Name & address of the Bank]

..... having our Registered Office at

.....(hereinafter referred to as the Bank) being the Guarantor under this

Guarantee, hereby irrevocably and unconditionally undertake to forthwith and immediately pay to the Employer without any demur, merely on your first demand any sum or sums of Rs.⁵ (in words Rupees.....) without any reservation, protest, and recourse and without the beneficiary needing to prove or demonstrate reasons for its such demand.

Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.

We undertake to pay to the Employer any money so demanded notwithstanding any dispute or disputes raised by the Vendor/Contractor/Vendors in any suit or proceeding pending before any Court or Tribunal, Arbitrator or any other authority, our liability under this present being absolute and unequivocal.

The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment hereunder and the Tenderer shall have no claim against us for making such payment.

We Bank further agree that the Employer shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Tender or to extend the time of submission of from time to time or to postpone for any time or from time to time any of the powers exercisable by the Employer against the said Tenderer and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Tenderer or for any forbearance, act or omission on the part of the Employer or any indulgence by the Employer to the said

Tenderer or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

The Bank also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Tenderer and notwithstanding any security or other guarantee that the Employer may have in relation to the Tenderer's liabilities.

This Guarantee shall be irrevocable and shall remain in force upto and including.....⁶ and shall be extended from time to time for such period as may be desired by the Employer.

This Guarantee shall not be determined or affected by liquidation or winding up, dissolution or change of constitution or insolvency of the Tenderer but shall in all respects and for all purposes be binding and operative until payment of all money payable to the Employer in terms hereof. However, unless a demand or claim under this Guarantee is made on us in writing on or before the⁷ we shall be discharged from all liabilities under this Guarantee.

This Bank Guarantee shall be governed, construed and interpreted in accordance with the laws of India.

Courts at shall alone have exclusive jurisdiction over any matter arising out of or in connection with this Bank Guarantee

We, Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Employer in writing.

Notwithstanding anything to the contrary contained hereinabove:

a. The liability of the Bank under this Guarantee shall not exceed.....⁵.....

b. This Guarantee shall be valid up to⁶

c. Unless the Bank is served a written claim or demand on or before⁷ all rights under this guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities under this guarantee irrespective of whether or not the original bank guarantee is returned to the Bank

We, Bank, have power to issue this Guarantee under law and the undersigned as a duly authorized person has full powers to sign this Guarantee on behalf of the Bank.

For and on behalf of
(Name of the Bank)

Date.....

Place of Issue.....

1 Details of the Invitation to Bid/Notice Inviting Tender

2 Name and Address of the Tenderer

3 Details of the Work

4 Name of the Employer

5 BG Amount in words and Figures

6 Validity Date

7 Date of Expiry of Claim Period

ANNEXURE 17: BANK GUARANTEE FOR PERFORMANCE SECURITY

(On non-Judicial paper of appropriate value)

Bank Guarantee No:

Date:

To

NAME

& ADDRESSES OF THE BENEFICIARY

Dear Sirs,

In consideration of Bharat Heavy Electricals Limited (hereinafter referred to as the 'Employer' which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns) incorporated under the Companies Act, 1956 and having its registered office at _____¹ through its Unit at.....(name of the Unit) having awarded to (Name of the Vendor / Contractor / Supplier) with its registered office at _____² hereinafter referred to as the ' Vendor / Contractor / Supplier ', which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns), a contract Ref No.....dated³ valued at Rs.....⁴ (Rupees -----) / FC.....(in words.....) for⁵ (hereinafter called the 'Contract') and the Vendor / Contractor / Supplier having agreed to provide a Contract Performance Bank Guarantee, equivalent to% (.... Percent) of the said value of the Contract to the Employer for the faithful performance of the Contract, We,, (hereinafter referred to as the Bank), having registered/Head office at and inter alia a branch at being the Guarantor under this Guarantee, hereby, irrevocably and unconditionally undertake to forthwith and immediately pay to the Employer any sum or sums upto a maximum amount of Rs ----- ⁶ (Rupees -----) without any demur, immediately on first demand from the Employer and without any reservation, protest, and recourse and without the Employer needing to prove or demonstrate reasons for its such demand.

Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. _____.

We undertake to pay to the Employer any money so demanded notwithstanding any dispute or disputes raised by the Vendor / Contractor / Supplier in any suit or proceeding pending before any Court or Tribunal, Arbitrator or any other authority, our liability under this present being absolute and unequivocal.

The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment thereunder and the Vendor / Contractor / Supplier shall have no claim against us for making such payment.

We thebank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract/ satisfactory completion of the performance guarantee period as per the terms of the Contract and that it shall continue to be enforceable till all the dues of the Employer under or by virtue of the said Contract have been fully paid and its claims satisfied or discharged.

WeBANK further agree with the Employer that the Employer shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract or to extend time of performance by the said Vendor / Contractor / Supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by the Employer against the said Vendor /

Contractor / Supplier and to forbear or enforce any of the terms and conditions relating to the said Contract and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Vendor / Contractor / Supplier or for any forbearance, act or omission on the part of the Employer or any indulgence by the Employer to the said Vendor / Contractor / Supplier or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

The Bank also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Vendor / Contractor / Supplier and notwithstanding any security or other guarantee that the Employer may have in relation to the Vendor / Contractor / Supplier 's liabilities.

This Guarantee shall remain in force upto and including..... 7 and shall be extended from time to time for such period as may be desired by Employer.

This Guarantee shall not be determined or affected by liquidation or winding up, dissolution or change of constitution or insolvency of the Vendor / Contractor / Supplier but shall in all respects and for all purposes be binding and operative until payment of all money payable to the Employer in terms thereof.

Unless a demand or claim under this guarantee is made on us in writing on or before the8 we shall be discharged from all liabilities under this guarantee thereafter. This Bank Guarantee shall be governed, construed and interpreted in accordance with the laws of India.

Courts at shall alone have exclusive jurisdiction over any matter arising out of or in connection with this Bank Guarantee

We, BANK lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Employer in writing.

Notwithstanding anything to the contrary contained hereinabove:

a. The liability of the Bank under this Guarantee shall not exceed..... 6

b. This Guarantee shall be valid up to7

c. Unless the Bank is served a written claim or demand on or before8 all rights under this guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities under this guarantee irrespective of whether or not the original bank guarantee is returned to the Bank.

We, _____ Bank, have power to issue this Guarantee under law and the undersigned as a duly authorized person has full powers to sign this Guarantee on behalf of the Bank.

For and on behalf of
(Name of the Bank)

Dated.....

Place of Issue.....

1 NAME AND ADDRESS OF EMPLOYER i.e., Bharat Heavy Electricals Limited

2 NAME AND ADDRESS OF THE VENDOR / CONTRACTOR / SUPPLIER.

3 DETAILS ABOUT THE NOTICE OF AWARD/CONTRACT REFERENCE

4 CONTRACT VALUE

5 PROJECT/SUPPLY DETAILS

6 BG AMOUNT IN FIGURES AND WORDS

7 VALIDITY DATE

8 DATE OF EXPIRY OF CLAIM PERIOD

ANNEXURE 18: LIST OF CONSORTIUM BANKS

Sl No.	Name of the Bank
1	State Bank of India
2	Canara Bank
3	IDBI Bank Limited
4	ICICI Bank Limited
5	HDFC Bank Limited
6	Axis Bank
7	IndusInd Bank Limited
8	Bank of Baroda
9	Exim Bank
10	Indian Bank
11	Punjab National Bank
12	Union Bank of India
13	Yes Bank Limited
14	RBL Bank Ltd.
15	Standard Chartered Bank
16	Indian Overseas Bank
17	Kotak Mahindra Bank Limited
18	Federal Bank Limited
19	Hongkong and Shanghai Banking Corporation Ltd

ANNEXURE 2: OFFER FORWARDING LETTER / TENDER SUBMISSION LETTER

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

Offer Reference No:

DT:

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub: Submission of Offer against GeM Bid No.: _____

Having examined the tender documents against your GeM Bid No. _____ dated _____ and having understood the provisions of the said tender documents and having thoroughly studied the requirements of BHEL related to the work tendered for, in connection with Seamless Steel Tube Plant, BHEL Trichy, we hereby submit our offer for the proposed work in accordance with terms and conditions mentioned in the tender documents, at the prices quoted by us and as per the indicated delivery schedule.

Should our Offer be accepted by BHEL for Award, I/we further agree to furnish 'Performance Security' for the work as provided for in the Tender Conditions within the stipulated time as may be indicated by BHEL.

I/We further agree to execute all the works referred to in the said Tender documents upon the terms and conditions contained or referred to therein and as detailed in the appendices annexed thereto.

I/We have deposited herewith the requisite Earnest Money Deposit (EMD) as per details furnished in the Check List.

Authorised Representative of the bidder

Signature:

Name:

Address:

Place:

Date:

ANNEXURE 3: CERTIFICATE OF NO DEVIATION

(To be Typed & submitted in the Letter Head of the Company/Firm of Bidder)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Subject: No Deviation Certificate

Ref: 1) GeM Bid No:,

2) All other pertinent issues till date

We hereby confirm that we have not changed/ modified/materially altered any of the tender documents as downloaded from the website/ issued by BHEL and in case of such observance at any stage, it shall be treated as null and void.

We also hereby confirm that we have neither set any Terms and Conditions and nor have we taken any deviation from the Tender conditions together with other references applicable for the above referred GeM Bid.

We further confirm our unqualified acceptance to all Terms and Conditions, unqualified compliance to Tender Conditions.

We confirm to have submitted offer in accordance with tender instructions and as per aforesaid references.

Thanking you,

Yours Faithfully,

(Signature, date & seal of authorized
Representative of the bidder)

Place:

Date:

ANNEXURE 4: UNDERTAKING

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir/Madam,

Sub: DECLARATION REGARDING INSOLVENCY/ LIQUIDATION/ BANKRUPTCY PROCEEDINGS

Ref: GeM Bid Specification No:

I/We, _____
declare that, I/We am/are not admitted under insolvency resolution process or liquidation under Insolvency and Bankruptcy Code, 2016, as amended from time to time or under any other law as on date, by NCLT or any adjudicating authority/authorities.

Sign of the AUTHORISED SIGNATORY
(With Name, Designation & Company Seal)

Place:

Date:

ANNEXURE 5: DECLARATION BY AUTHORISED SIGNATORY OF BIDDER
(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub: Declaration by Authorised Signatory

Ref: 1) GeM Bid Specification No:

2) All other pertinent issues till date

I/We, hereby certify that all the information and data furnished by me with regard to the above Tender Specification are true and complete to the best of my knowledge. I have gone through the specifications, conditions, stipulations and all other pertinent issues till date, and agree to comply with the requirements and Intent of the specification.

I further certify that I am authorised to represent on behalf of my Company/Firm for the above mentioned tender and a valid Power of Attorney to this effect is also enclosed.

Yours Faithfully,

(signature, date & seal of authorised
Signatory of the bidder)

Date:

Enclosed: Power of attorney

ANNEXURE6 : DECLARATION BY AUTHORISED SIGNATORY OF BIDDER
(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub : Declaration by Authorised Signatory regarding Authenticity of submitted documents.

Ref : 1) GeM Bid No. & Date:

2) All other pertinent issues till date

I/We, hereby certify that all the documents submitted by us in support of possession of “Qualifying Requirements” are true copies of the original and are fully compliant required for qualifying / applying in the bid and shall produce the original of same as and when required by Bharat Heavy Electricals Limited.

I / We hereby further confirm that no tampering is done with documents submitted in support of our qualification as bidder. I / We understand that at any stage (during bidding process or while executing the awarded contract) if it is found that fake / false / forged bid qualifying / supporting documents / certificates were submitted, it would lead to summarily rejection of our bid / termination of contract. BHEL shall be at liberty to initiate other appropriate actions as per the terms of the Bid / Contract and other extant policies of Bharat Heavy Electricals Limited.

Yours Faithfully

(Signature, Date & Seal of Authorised Signatory
Of the bidder)

Date:

ANNEXURE 7 : NON-DISCLOSURE FORMAT

(To be Typed & submitted in the Letter Head of the Company/Firm of Bidder)

I/We understand that BHEL Tiruchirappalli is committed to Information Security Management System as per their Information Security Policy.

Hence,

I/We

M/s

.....
who are submitting offer for providing services to BHEL Tiruchirappalli against GeM Bid No..... hereby undertake to comply with the following in line with Information Security Policy of BHEL Tiruchirappalli.

- To maintain confidentiality of documents & information which shall be used during the execution of the Contract.
- The documents & information shall not be revealed to or shared with third party which shall not be in the business interest of BHEL Tiruchirappalli

(Signature, Date & seal of Authorised
Signatory of the bidder)

Date:

ANNEXURE 8 : **INTEGRITY PACT**

Between

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at "BHEL House", Siri Fort, New Delhi - 110049 (India) hereinafter referred to as "The Principal", which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

And

_____ (description of the party along with address), hereinafter referred to as "The Bidder/ Contractor" which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART

Preamble

The Principal intends to award, under laid-down organizational procedures, contract/s for

_____.
The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal will appoint Independent External Monitor(s), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1- Commitments of the Principal

1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

1.1.3 The Principal will exclude from the process all known prejudiced persons.

1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 - Commitments of the Bidder(s)/ Contractor(s)

2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant Indian Penal Code (IPC) and Prevention of Corruption Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

2.1.4 Foreign Bidder(s)/ Contractor(s) shall disclose the name and address of agents and representatives in India and Indian Bidder(s)/ Contractor(s) to disclose their foreign principals or associates. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

2.3 The Bidder(s)/ Contractor(s) shall not approach the Courts while representing the matters to IEMs and will await their decision in the matter.

Section 3 - Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

Section 4 - Compensation for Damages

4.1 If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent Earnest Money Deposit/ Bid Security.

4.2 If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit/ Performance Bank Guarantee, whichever is higher.

Section 5 - Previous Transgression

5.1 The Bidder declares that no previous transgressions occurred in the last 3 years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.

5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 - Equal treatment of all Bidders/ Contractors / Sub-contractors

6.1 The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors. In case of sub-contracting, the Principal contractor shall be responsible for the adoption of IP by his sub-contractors and shall continue to remain responsible for any default by his sub-contractors.

6.2 The Principal will disqualify from the tender process all bidders who do not sign this pact or violate its provisions.

Section 7 - Criminal Charges against violating Bidders/ Contractors /Subcontractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 -Independent External Monitor(s)

8.1 The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

8.2 The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.

8.3 The Bidder(s)/ Contractor(s) accepts that the Monitor has the right to access without restriction to all contract documentation of the Principal including that provided by the Bidder(s)/ Contractor(s). The Bidder(s)/ Contractor(s) will grant the monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his contract documentation. The same is applicable to Sub-contractor(s). The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s) / Sub-contractor(s) with confidentiality in line with Non- disclosure agreement.

8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

8.5 The role of IEMs is advisory, would not be legally binding and it is restricted to resolving issues raised by an intending bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some bidders. At the same time, it must be understood that IEMs are not consultants to the Management. Their role is independent in nature and the advice once tendered would not be subject to review at the request of the organization.

8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process, the matter should be examined by the full panel of IEMs jointly as far as possible, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management.

8.7 The IEMs would examine all complaints received by them and give their recommendations/ views to CMD, BHEL, at the earliest. They may also send their report directly to the CVO and the Commission, in case of suspicion of serious irregularities requiring legal/ administrative action. IEMs will tender their advice on the complaints within 10 days as far as possible.

8.8 The CMD, BHEL shall decide the compensation to be paid to the Monitor and its terms and conditions.

8.9 IEM should examine the process integrity; they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging mala fide on the part of any officer of the organization should be looked into by the CVO of the concerned organisation.

8.10 If the Monitor has reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant Indian Penal Code/ Prevention of Corruption Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

8.11 The number of Independent External Monitor(s) shall be decided by the CMD, BHEL.

8.12 The word 'Monitor' would include both singular and plural.

Section 9 - Pact Duration

9.1 This Pact shall be operative from the date IP is signed by both the parties till the final completion of contract for successful bidder and for all other bidders 6 months after the contract has been awarded. Issues like warranty / guarantee etc. should be outside the purview of IEMs.

9.2 If any claim is made/ lodged during currency of IP, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/ determined by the CMD, BHEL.

Section 10 - Other Provisions

10.1 This agreement is subject to Indian Laws and jurisdiction shall be registered office of the Principal, i.e. New Delhi.

10.2 Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.

10.3 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

10.4 Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

10.5 Only those bidders / contractors who have entered into this agreement with the Principal would be competent to participate in the bidding. In other words, entering into this agreement would be a preliminary qualification.

For & On Behalf of the Principal
(Office Seal)

Place:

Date:

Witness: _____

(Name & Address) _____

For & On Behalf of the Bidder/Contractor
(Office Seal)

Place:

Date:

Witness: _____

(Name & Address) _____

ANNEXURE 9 : DECLARATION CONFIRMING KNOWLEDGE ABOUT SITE CONDITIONS

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub: Declaration confirming knowledge about Site conditions

Ref: 1) GeM Bid Specification No:

2) All other pertinent issues till date

I/We, _____ hereby declare and confirm that we have visited the Project Site as referred in BHEL Tender Specifications and acquired full knowledge and information about the Site conditions including Wage structure, Industrial Climate, the Law & Order and other conditions prevalent at and around the Site. We further confirm that the above information is true and correct and we shall not raise any claim of any nature due to lack of knowledge of Site conditions.

I/We, hereby offer to carry out work as detailed in above mentioned Tender Specification, in accordance with Terms & Conditions thereof.

Yours Faithfully,

(Signature, Date & Seal of Authorised

Representative of the bidder)

Date:

Place:

Buyer Added Bid Specific Additional Terms & Conditions (ATC)

1. PRE QUALIFICATION CRITERIA:

1.1. Technical:

	PRE QUALIFICATION REQUIREMENT	REQUIREMENT	VENDOR'S COMMENTS (Vendor to fill appropriate details)
	Vendor must be a manufacturer of Heavy Duty Gearbox for minimum five years from the date of tender. For proof, vendor to submit both documents mentioned below, a.) Executed PO copy of not less than 5 years related to Heavy Duty Gearbox. b.) Udyam/registration certificate or equivalent documents to justify 5 years of experience in the relevant field.	Vendor to submit relevant documents	
	The bidder shall submit previous Purchase Order for Supply of GEARBOX of capacity 160 KW or higher to Steel rolling mills in State/Central/Public listed companies with minimum satisfactory operation for TWO years from the date of tender. The proof of such supply like PO copy along with Tax invoice (Tax Invoice not less than TWO years from date of tender) or other documentary proof for completion of supply shall be submitted with the offer. PO copy other than BHEL supply shall be supported with performance certificate .	Vendor to submit relevant documents	
	Vendor shall possess a valid ISO 9001:2015 certification in the relevant field.	Vendor to submit relevant documents	
	Vendor shall possess complete in-house facility for manufacturing of Gearbox. Vendor to submit list of machineries.	Vendor to submit relevant documents	
	Staggered Delivery: Lot 1 Supply: After Placement of PO, vendor shall visit the site for understanding the application. Detailed assembly with BOM and manufacturing drawing shall be submitted within 1 month from date of PO. After BHEL drawing approval, 2 Nos of gearbox shall be manufactured and supplied within 5 months from date of PO. Drawing approval will happen within 10 days from receipt of drawings. Lot 2 Supply: Manufacturing of lot 2 supply shall happen only after erection & commissioning of items in Lot 1 and further clearance from BHEL. Lot 2	ACCEPTED / NOT ACCEPTED	

	supply shall happen within 10 months from date of PO. Erection & commissioning is in BHEL scope and will be completed within 1 month from date of supply .		
	Payment: 90 % on receipt of material , 10 % on completion of commissioning against 10 % Performance Bank Guarantee for a period of 1 year from date of erection & commissioning .	ACCEPTED / NOT ACCEPTED	
	Vendor shall submit a.) Executed PO copy of not less than 5 years related to Heavy Duty Gearbox. b.) Udyam/registration certificate or equivalent documents to justify 5 years of experience in the relevant field to meet the requirements of SL NO. 1 of Annexure I PQR. (Avoid attaching multiple PO copies)	Vendor to mention the details of PO attached	
	Vendor shall submit executed PO copy along with tax invoice (Tax Invoice not less than TWO years from date of tender) or other documentary proof for completion of supply to meet the requirements of SL NO. 2 of Annexure I PQR. (Avoid attaching multiple PO copies) Performance certificate for Non BHEL PO as required shall be submitted with offer	Vendor to mention the details of PO attached	
	Copy of valid ISO 9001:2015 certification in the relevant field.	Vendor to mention the details of ISO certificate attached	
	Vendor shall submit list of machineries to complete in-house manufacturing of Gearbox.		

1.2. Financial:

Bidders must have achieved an average annual financial turnover (Audited) of Rs. 0.04 Crore or more, over the last three Financial Years (FY) i.e., 2020-21, 2021-22, 2022-23. (e.g., 2019-20, 2020-21 & 2021-22 for Tenders floated till 30th Sep 2023. For Tenders floated from 1st Oct 2023 onwards, the three years shall be reckoned as 2020-21, 2021-22 and 2022-23). If Financial Statements are not required to be audited statutorily, then instead of audited Financial Statements, Financial Statements are required to be certified by Chartered Accountant. In case of audited Financial Statements have not been submitted for all the three years as indicated against Financial Turnover PQR above, then the applicable audited statements submitted by the bidders against the requisite three years, will be averaged for three years i.e. total divided by three. In case the bidder has been incorporated within the three years, the applicable audited statements shall be averaged for the period from which the bidder has been incorporated. Bidder to submit Audited Balance Sheet and Profit and Loss Account for the respective years as indicated against Financial Turnover PQR – 1.2 above along with all annexures.

1.3. Submission of Integrity Pact duly signed (*applicable for estimate \geq 2 Cr*)

- 1.4. Bidder must not be admitted under Corporate Insolvency Resolution Process or Liquidation as on date, by NCLT or any adjudicating authority/authorities, , and shall submit undertaking (Annexure-4) to this effect.

2. SCOPE OF SUPPLY

Supply of **NORTH REELER GEARBOX** to Seamless Steel Tube Plant, BHEL Trichy, on F.O.R. Destination Basis. Specification is as follows:
Supply of **NORTH REELER GEARBOX**.

3. PRICE BASIS

Price in INR should be quoted for FOR Destination Basis delivery to Stores Officer, BHEL Seamless Steel Tube Plant, BHEL Boiler Plant Project, P.O., Tiruchirappalli - 620014, Tamilnadu, India.

GSTIN/UIN: 33AAACB4146P2ZL

4. TAXES & DUTIES

- 4.1. The Supplier/Vendor shall pay all (save the specific exclusions as enumerated in this clause) taxes, fees, license, charges, deposits, duties, tools, royalty, commissions, other charges, etc. which may be levied on the input goods & services consumed and output goods & services delivered in course of his operations in executing the contract. In case BHEL is forced to pay any of such taxes/duties, BHEL shall have the right to recover the same from his bills or otherwise as deemed fit along with the applicable overheads @5% and interest on the total value (i. e. amount paid by BHEL + overhead). However, provisions regarding **GST** on output supply (goods/service) and TDS/TCS as per Income Tax Act shall be as per following clauses.
- 4.2. GST (Goods and Services Tax)
 - 4.2.1. GST as applicable on output supply (goods/services) are excluded from Supplier/Vendor's scope; therefore, contractor's price/rates shall be **exclusive** of GST. Reimbursement of GST is subject to compliance of following terms and conditions. BHEL shall have the right to deny payment of GST and to recover any loss to BHEL on account of tax, interest, penalty etc. for non-compliance of any of the following condition.
 - 4.2.2. The admissibility of GST, taxes and duties referred in this chapter or elsewhere in the contract shall be limited to direct transactions between BHEL & its Supplier/Vendor. BHEL shall not consider GST on any transaction other than the direct transaction between BHEL & its Supplier/Vendor.
 - 4.2.3. Supplier/Vendor shall obtain prior written consent of BHEL before billing the amount towards such taxes. Where the GST laws permit more than one option or methodology for discharging the liability of tax/levy/duty, BHEL shall have the right to adopt the appropriate one considering the amount of tax liability on BHEL/Client as well as procedural simplicity with regard to assessment of the liability. The option chosen by BHEL shall be binding on the Contractor for discharging the obligation of BHEL in respect of the tax liability to the Supplier/Vendor.
 - 4.2.4. Supplier/Vendor has to submit GST registration certificate of the concerned state. Supplier/Vendor also needs to ensure that the submitted GST registration certificate should be in active status during the entire contract period.

- 4.2.5. Supplier/Vendor has to issue Invoice/Debit Note/Credit Note indicating HSN/SAC code, Description, Value, Rate, applicable tax and other particulars in compliance with the provisions of relevant GST Act and Rules made thereunder.
- 4.2.6. Supplier/Vendor has to submit GST compliant invoice within the due date of invoice as per GST Law. In case of delay, BHEL reserves the right of denial of GST payment if there occurs any hardship to BHEL in claiming the input thereof. In case of goods, Supplier/Vendor has to provide scan copy of invoice & GR/LR/RR to BHEL before movement of goods starts to enable BHEL to meet its GST related compliances. Special care should be taken in case of month end transactions.
- 4.2.7. Supplier/Vendor has to ensure that invoice in respect of such services which have been provided/completed on or before end of the month should not bear the date later than last working day of the month in which services are performed.
- 4.2.8. Subject to other provisions of the contract, GST amount claimed in the invoice shall be released on fulfilment of all the following conditions by the Supplier/Vendor: -
- a) Supply of goods and /or services have been received by BHEL
 - b) Original Tax Invoice has been submitted to BHEL
 - c) Supplier/Vendor has submitted all the documents required for processing of bill as per contract/ purchase order/ work order.
 - d) In cases where e-invoicing provision is applicable, Supplier/Vendor is required to submit invoice in compliance with e-invoicing provisions of GST Act and Rules made thereunder.
 - e) Supplier/Vendor has filed all the relevant GST return (e.g. GSTR-1, GSTR-3B, etc.) pertaining to the invoice submitted and submit the proof of such return along with immediate subsequent invoice. In case of final invoice/ bill, contractor has to submit proof of such return within fifteen days from the due date of relevant return.
 - f) Respective invoice has appeared in BHEL's GSTR - 2A for the month corresponding to the month of invoice and in GSTR-2B of the month in which such invoices has been reported by the contractor along with status of ITC availability as "YES" in GSTR-2B. Alternatively, BG of appropriate value may be furnished which shall be valid at least one month beyond the due date of confirmation of relevant payment of GST on GSTN portal or sufficient security is available to adjust the financial impact in case of any default by the Supplier/Vendor.
 - g) Supplier/Vendor has to submit an undertaking confirming the payment of all due GST in respect of invoices pertaining to BHEL.
- 4.2.9. Any financial loss arises to BHEL on account of failure or delay in submission of any document as per contract/purchase order/work order at the time of submission of Tax invoice to BHEL, shall be deducted from Supplier/Vendor's bill or otherwise as deemed fit.
- 4.2.10. TDS as applicable under GST law shall be deducted from Supplier/Vendor's bill.
- 4.2.11. Supplier/Vendor shall comply with the provisions of e-way bill wherever applicable. Further wherever provisions of GST Act permits, all the e-way bills, road permits etc. required for transportation of goods needs to be arranged by the contractor.
- 4.2.12. Supplier/Vendor shall be solely responsible for discharging his GST liability according to the provisions of GST Law and BHEL will not entertain any claim of GST/interest/penalty or any other liability on account of failure of Supplier/Vendor in complying the provisions of GST Law or discharging the GST liability in a manner laid down thereunder.
- 4.2.13. In case declaration of any invoice is delayed by the vendor in his GST return or any invoice is subsequently amended/alterd/deleted on GSTN portal which results in any adverse financial implication on BHEL, the financial impact thereof including interest/penalty shall be recovered from the Supplier/Vendor's due payment.

- 4.2.14. Any denial of input credit to BHEL or arising of any tax liability on BHEL due to non-compliance of GST Law by the Supplier/Vendor in any manner, will be recovered along with liability on account of interest and penalty (if any) from the payments due to the Supplier/Vendor.
- 4.2.15. In the event of any ambiguity in GST law with respect to availability of input credit of GST charged on the invoice raised by the contractor or with respect to any other matter having impact on BHEL, BHEL's decision shall be final and binding on the Supplier/Vendor.
- 4.2.16. **Variation in Taxes & Duties:** Any upward variation in GST shall be considered for reimbursement provided supply of goods and services are made within schedule date stipulated in the contract or approved extended schedule for the reason solely attributable to BHEL. However downward variation shall be subject to adjustment as per actual GST applicability. In case the Government imposes any new levy/tax on the output service/goods after price bid opening, the same shall be reimbursed by BHEL at actual. The reimbursement under this clause is restricted to the direct transaction between BHEL and its Supplier/Vendor only and within the contractual delivery period only. In case any new tax/levy/duty etc. becomes applicable after the date of Bidder's offer but before opening of the price Bid, the Bidder/ Supplier/Vendor must convey its impact on his price duly substantiated by documentary evidence in support of the same before opening of price bid. Claim for any such impact after opening the price bid will not be considered by BHEL for reimbursement of tax or reassessment of offer.

4.3. Income Tax:

TDS/TCS as applicable under Income Tax Act, 1961 or rules made thereunder shall be deducted/collected from Supplier/Vendor's bill.

5. MATERIAL DISPATCH CLEARANCE CERTIFICATE (MDCC):

MDCC shall be issued by BHEL. No material shall be dispatched by supplier unless and until Material Dispatch Clearance Certificate (MDCC) issued by BHEL Tiruchirappalli. In case any material is dispatched without MDCC and any loss is incurred by Supplier/Vendor for any reason whatsoever, BHEL shall not be responsible in any manner to compensate the supplier in this regard.

6. INSPECTION/INSPECTION & TESTING AT SUPPLIER WORKS:

BHEL reserves the right to inspect the material during manufacturing and also to get tested the material under dispatch from third party. The test results of third party test shall be final and binding on the Supplier/Vendor.

BHEL will reserve the right to inspect/test the material during/after manufacturing at suppliers' works, and/or at BHEL Site. In case of rejection at any stage, Supplier/Vendor shall be liable to replace the materials at his own cost.

7. DELIVERY:

Supply of materials shall be made **AS PER ANNEXURE 1 - PQC** from the date of Purchase Order.

NOTE:

- a). If the delivery of supply as detailed above gets delayed beyond the delivery period, the Supplier/Vendor shall request for a delivery extension and BHEL at its discretion may extend the Contract. However, if any 'Delivery extension' is granted to the Supplier/Vendor for completion of supply, due to backlog attributable to the Supplier/Vendor, then it shall be without prejudice to the rights of BHEL to impose LD for the delays attributable to the Supplier/Vendor.
- b). In case BHEL increase the quantity during currency of the contract in line with quantity variation clause (sl.no1.Generic of GeM bid), delivery extension on pro-rata basis shall be given for supply of these additional quantity.

8. TRANSIT INSURANCE:

Transit Insurance is in Supplier/Vendor's scope. Supplier/Vendor shall insure the material at their cost for Transportation.

9. PAYMENT TERMS:

- a) FOR NON MSME Bidders, 100% payment shall be released within 90 days from the date of acknowledged receipt & acceptance of material at site and submission of billing documents as mentioned in sl. no. 10 below.
- b) FOR MSME Bidders, 100% payment shall be released within 45 days from the date of acknowledged receipt & acceptance of material at site and submission of billing documents as mentioned in sl. no. 10 below.
- c) FOR MEDIUM ENTERPRISES Bidders, 100% payment shall be released within 60 days upon receipt & acceptance of material at site and submission of billing documents as mentioned in sl. no. 10 below.

However, GST amount shall be reimbursed in line with compliance to Cl. No. 4 (Taxes & Duties) above. No interest shall be payable on the security deposit or any other money due to the contractor”.

10. DOCUMENTS REQUIRED ALONG WITH DISPATCH OF MATERIAL/BILLING DOCUMENTS:

The following documents are required to be sent with material dispatch/Billing Documents:

- 1) Original Tax Invoice (As per Cl. No. 4 above).
- 2) Copy of LR or Delivery Challan.
- 3) Warranty Certificate (If applicable).
- 4) GST declaration (to be given separately or to be included in invoice)
- 5) E-way bill (Applicable as per invoice value)

11. BANK DETAILS FOR EMD & PERFORMANCE SECURITY SUBMISSION:

For Electronic Fund Transfer the details are as below:

- a) Name of the Beneficiary: Bharat Heavy Electricals Limited

- b) Bank Particulars:

Name of the Company - BHARAT HEAVY ELECTRICALS LTD.

Address of the company – Seamless Steel Tube Plant, BHEL Tiruverumbur, Tiruchirappalli, Tamil Nadu- 620014

Name of the bank – State Bank of India

Bank branch – Heavy Electricals Kailasapuram BRANCH

City - Tiruchirappalli

Branch code - 01363

Account Number – 10891588977

Account type - CC

IFSC code – SBIN0001363

MICR code – 620002004

12. EMD: Applicable/Not Applicable

12.1. Every tender must be accompanied by the prescribed amount of Earnest Money Deposit (EMD) in the manner described herein.

i. EMD shall be furnished before tender opening / along with the offer in full as per the amount indicated in the NIT.

ii. The EMD up to an amount of Rs. is to be paid only in the following forms:

a) Electronic Fund Transfer credited in BHEL account (before tender opening).

b) Banker's cheque/ Pay order/ Demand draft, in favour of 'Bharat Heavy Electricals Limited' and payable at Regional HQ issuing the tender (along with offer).

c) Fixed Deposit Receipt (FDR) issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL marking lien in favour of BHEL) (along with offer). The Fixed Deposit in such cases shall be valid for a period of 45 (forty-five) days beyond the final bid validity period.

d) Bank Guarantee from any of the Scheduled Banks. In such cases shall be valid for a period of 45 (forty-five) days beyond the final bid validity period.

e) Insurance Surety Bonds.

In case the EMD is more than Rs. Two lakh and in case of foreign bidders, it may be in the form of a bank guarantee (in equivalent Foreign Exchange amount, in case of foreign bidders) issued/ confirmed from any of the scheduled commercial bank in India in the prescribed format. The EMD shall remain valid for a period of 45 (forty-five) days beyond the final bid validity period.

iii. No other form of EMD remittance shall be acceptable to BHEL.

12.2. EMD by the Bidder will be forfeited as per NIT conditions, if:

i. The bidder withdraws or amends its/his tender or impairs or derogates from the tender in any respect within the period of validity of the tender or if the successful bidder fails to furnish the required performance security within the specified period mentioned in the Tender.

ii. EMD by the Bidder shall be withheld in case any action on the tenderer is envisaged under the provisions of extant "Guidelines on Suspension of business dealings with suppliers/ contractors" and shall be forfeited in case of suspension

12.3. Subject to Clause 12.2 above, EMD of the unsuccessful bidders shall be returned at the earliest after expiry of the final bid validity period and latest by the 30th day after the award of the contract. However, in case of two packet or two stage bidding, EMD of unsuccessful bidders during first stage i.e., technical evaluation etc. shall be returned within 30 days of declaration of result of first stage i.e. technical evaluation etc.

12.4. EMD of successful Bidder shall be refunded on conclusion of the order/ receipt of a performance security as mentioned in NIT.

12.5. EMD shall not carry any interest

12.6. Micro and Small Enterprises(MSEs) or start-ups as recognized by the Department of Promotion of Industry and Internal Trade(DPIIT) shall be exempted from the payment of EMD.

13. PERFORMANCE SECURITY: ~~Applicable~~/Not Applicable

13.1. Successful bidder awarded the contract should deposit 10% of the contract value as performance security towards fulfilment of all contractual obligations, including warranty obligations.

13.2. Performance Security is to be furnished within 14 days after issuance of Contract/PO and should remain valid for a period of 60 (sixty) days beyond the date of completion of all contractual obligations of the Supplier/Vendor, including warranty obligations.

13.3. Modes of Deposit:

a) Performance security may be furnished in the following forms:

i. Local cheques of Scheduled Banks (subject to realization)/ Pay Order/Demand Draft/ Electronic Fund Transfer in favour of 'Bharat Heavy Electricals Limited' and payable at Regional HQ

ii. Bank Guarantee from Scheduled Banks / Public Financial Institutions as defined in the Companies Act. The Bank Guarantee should be in the prescribed format of BHEL.

iii. Fixed Deposit Receipt (FDR) issued by Scheduled Banks / Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL).

iv. Securities available from Indian Post offices such as National Savings Certificates, Kisan Vikas Patras etc. (held in the name of Contractor furnishing the security and duly endorsed/ hypothecated/ pledged, as applicable, in favour of BHEL).

v. Insurance Surety Bond.

Note: BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith.

b) In case of GTE tenders, the performance security should be in the same currency as the contract and must conform to Uniform Rules for Demand Guarantees (URDG 758) - an international convention regulating international securities.

13.4. The performance security will be forfeited and credited to BHEL's account in the event of a breach of contract by the Supplier/Vendor as provided herein or elsewhere in the Contract/PO.

13.5. Performance Security shall be refunded to the Supplier/Vendor without interest, after the Supplier/Vendor duly performs and completes the contract in all respects but not later than 60(sixty) days of completion of all such obligations including the warranty under the contract.

13.6. The Performance Security shall not carry any interest.

13.7. There is no exemption of Performance security deposit submission for MSE Vendors

14. BREACH OF CONTRACT, REMEDIES AND TERMINATION:

14.1. The following shall amount to breach of contract:

I. Non-supply of material/ non-completion of work by the Supplier/Vendor within scheduled delivery/ completion period as per contract or as extended from time to time.

II. The Supplier/Vendor fails to perform as per the activity schedule and there are sufficient reasons even before expiry of the delivery/ completion period to justify that supplies shall be inordinately delayed beyond contractual delivery/ completion period.

III. The Supplier/Vendor delivers equipment/ material not of the contracted quality.

IV. The Supplier/Vendor fails to replace the defective equipment/ material/ component as per guarantee clause.

V. Withdrawal from or abandonment of the work by the Supplier/Vendor before completion as per contract.

VI. Assignment, transfer, subletting of Contract by the Supplier/Vendor without BHEL's written permission resulting in termination of Contract or part thereof by BHEL.

VII. Non-compliance to any contractual condition or any other default attributable to Supplier/Vendor.

VIII. Any other reason(s) attributable to Vendor towards failure of performance of contract. In case of breach of contract, BHEL shall have the right to terminate the Purchase Order/ Contract either in whole or in part thereof without any compensation to the Supplier/Vendor.

IX. Any of the declarations furnished by the contractor at the time of bidding and/ or entering into the contract for supply are found untruthful and such declarations were of a nature that could have resulted in non-award of contract to the contractor or could expose BHEL and/ or Owner to adverse consequences, financial or otherwise.

X. Supplier/Vendor is convicted of any offence involving corrupt business practices, antinational activities or any such offence that compromises the business ethics of BHEL, in violation of the Integrity Pact entered into with BHEL has the potential to harm the overall business of BHEL/ Owner.

Note-Once BHEL considers that a breach of contract has occurred on the part of Supplier/Vendor, BHEL shall notify the Supplier/Vendor by way of notice in this regard. Contractor shall be given an opportunity to rectify the reasons causing the breach of contract within a period of 14 days.

In case the contractor fails to remedy the breach, as mentioned in the notice, to the satisfaction of BHEL, BHEL shall have the right to take recourse to any of the remedial actions available to it under the relevant provisions of contract.

14.2. Remedies in case of Breach of Contract:

- i. Wherein the period as stipulated in the notice issued under clause 14.1 has expired and Supplier/Vendor has failed to remedy the breach, BHEL will have the right to terminate the contract on the ground of "Breach of Contract" without any further notice to contractor.
- ii. Upon termination of contract, BHEL shall be entitled to recover an amount equivalent to 10% of the Contract Value for the damages on account of breach of contract committed by the Supplier/Vendor. This amount shall be recovered by way of encashing the security instruments like performance bank guarantee etc. available with BHEL against the said contract. In case the value of the security instruments available is less than 10% of the contract value, the balance amount shall be recovered from other financial remedies (i.e. available bills of the Supplier/Vendor, retention amount, from the money due to the Supplier/Vendor etc. with BHEL) or the other legal remedies shall be pursued.
- iii. Wherever the value of security instruments like performance bank guarantee available with BHEL against the said contract is 10% of the contract value or more, such security instruments to the extent of 10% contract value will be encashed. In case no security instruments are available or the value of the security instruments available is less than 10% of the contract value, the 10% of the contract value or the balance amount, as the case may be, will be recovered in all or any of the following manners:
- iv. In case the amount recovered under sub clause (a) above is not sufficient to fulfil the amount recoverable then; a demand notice to deposit the balance amount within 30 days shall be issued to Supplier/Vendor.

- v. If Supplier/Vendor fails to deposit the balance amount within the period as prescribed in demand notice, following action shall be taken for recovery of the balance amount:
 - a) from dues available in the form of Bills payable to defaulted Supplier/Vendor against the same contract.
 - b) If it is not possible to recover the dues available from the same contract or dues are insufficient to meet the recoverable amount, balance amount shall be recovered from any money(s) payable to Supplier/Vendor under any contract with other Units of BHEL including recovery from security deposits or any other deposit available in the form of security instruments of any kind against Security deposit or EMD.
- vi. In-case recoveries are not possible with any of the above available options, Legal action shall be initiated for recovery against defaulted supplier/Vendor.
- vii. It is an agreed term of contract that this amount shall be a genuine pre-estimate of damages that BHEL would incur in completion of balance contractual obligation of the contract through any other agency and BHEL will not be required to furnish any other evidence to the Supplier/Vendor for the purpose of estimation of damages.
- viii. In addition to the above, imposition of liquidated damages, debarment, termination, de-scoping, short-closure, etc., shall be applied as per provisions of the contract.

Note:

1) The defaulting Supplier/Vendor shall not be eligible for participation in any of the future enquiries floated by BHEL to complete the balance work. The defaulting contractor shall mean and include:

- (a) In case defaulted Supplier/Vendor is the Sole Proprietorship Firm, any Sole Proprietorship Firm owned by same Sole Proprietor.
- (b) In case defaulted Supplier/Vendor is The Partnership Firm, any firm comprising of same partners/ some of the same partners or sole proprietorship firm owned by any partner(s) as a sole proprietor.

LD against delay in executed supply in case of Termination of Contract:

LD against delay in executed supply shall be calculated in line with LD clause no. 18.0 below, for the delay attributable to Supplier/Vendor. For limiting the maximum value of LD, contract value shall be taken as Executed Value of supply till termination of contract.

Method for calculation of "LD against delay in executed supply in case of termination of contract" is given below.

- i. Let the time period from scheduled date of start of supply till termination of contract excluding the period of Hold (if any) not attributable to contractor = T1
- ii. Let the value of executed supply till the time of termination of contract = X
- iii. Let the Total Executable Value of supply for which inputs/fronts were made available to Supplier/Vendor and were planned for execution till termination of contract = Y
- iv. Delay in executed supply attributable to Supplier/Vendor i.e. $T2 = [1 - (X/Y)] \times T1$
- v. LD shall be calculated in line with LD clause (clause 18.0) of the Contract for the delay attributable to Supplier/Vendor taking "X" as Contract Value and "T2" as period of delay attributable to Supplier/Vendor.

15. BILL TO/ SHIP TO ADDRESS:

Bill to: Bharat Heavy Electricals Limited,
Seamless Steel Tube Plant,
Boiler Plant Project P.O., Tiruchirappalli,
Tamil Nadu – 620014

GSTN: 33AAACB4146P2ZL

Ship to: Bharat Heavy Electricals Limited,
Stores-ST70,
Seamless Steel Tube Plant,
Boiler Plant Project P.O., Tiruchirappalli,
Tamil Nadu – 620014

16. GUARENTEE/WARRANTY:

Guarantee period for Supply of **NORTH REELER GEARBOX** shall be **12** calendar months from the date of last dispatch.

17. MICRO AND SMALL ENTERPRISES (MSE):

Any Bidder falling under MSE category shall furnish the following details & submit documentary evidence/ Govt. Certificate etc. in support of the same along with their techno-commercial offer.

Type Under MSE	SC/ST Owned	Women Owned	Others(Excluding SC/ST & Women Owned
Micro			
Small			

Note: If the bidder does not furnish the above, offer shall be processed construing that the bidder is not falling under MSE category

a) MSE suppliers can avail the intended benefits in respect of the procurements related to the Goods and Services only (Definition of Goods and Services as enumerated by Govt. of India vide Office Memorandum F. No. 21(8)/2011-MA dtd. 09/11/2016 office of AS & DC, MSME) only if they submit along with the offer, attested copies of either Udyam Registration. Date to be reckoned for determining the deemed validity will be the last date of Technical Bid submission. Non-submission of supporting document in GeM portal will lead to consideration of their bids at par with other bidders. No benefits shall be applicable for this enquiry if the above required documents are not uploaded at the time of bid submission. Documents submitted by the bidder shall be verified by BHEL for rendering the applicable benefits.

18. LIQUIDATED DAMAGES:

Liquidated Damages, wherever referred under this Tender/Agreement, shall mean and refer to the damages, not in the nature of penalty, which the contractor agrees to pay in the event of delay in delivery of supplies, breach of contract etc. as the case may be.

Liquidated Damages leviable upon the Supplier/Vendor is a sum which is agreed by the parties as a reasonable and genuine pre-estimate of damages which will be suffered by BHEL on account of delay/breach on the part of the Supplier/Vendor. If the Seller/Service Provider fails to deliver any or all of the Goods/Services within the original/re-fixed delivery period(s) specified in the contract/PO, the Buyer/BHEL will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ 0.5% of the contract value of delayed quantity per week or part of the week of delayed period as pre-estimated damages not exceeding 10% of the contract value of delayed quantity without any controversy/dispute of any sort whatsoever.

19. INTEGRITY PACT:

a) IP is a tool to ensure that activities and transactions between the Company and its Bidders/ Supplier/Vendor are handled in a fair, transparent and corruption free manner. Following Independent External Monitors (IEMs) on the present panel have been appointed by BHEL with the approval of CVC to oversee implementation of IP in BHEL.

Sl.No.	IEM	Email
1		
2		
3		

b) The IP as enclosed with the tender is to be submitted (duly signed by authorized signatory) along with techno-commercial bid (Part-I, in case of two/ three part bid). Only those bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into this Pact would be a preliminary qualification.

c) Please refer Section-8 of IP for Role and Responsibilities of IEMs. In case of any complaint arising out of the tendering process, the matter may be referred to any of the above IEM(s). All correspondence with the IEMs shall be done through email only.

Note:

No routine correspondence shall be addressed to the IEM (phone/ post/ email) regarding the clarifications, time extensions or any other administrative queries, etc. on the tender issued. All such clarification/ issues shall be addressed directly to the tender issuing (procurement) department's officials whose contact details are as per Clause no. 21 below.

20. PREFERENCE TO MAKE IN INDIA:

For this procurement, the local content to categorize a Supplier/Vendor as a Class I local supplier/ Class II local Supplier/Non-Local Supplier and purchase preferences to Class I local supplier, is as defined in Public Procurement (Preference to Make in India), Order 2017 dated 04.06.2020 issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the GeM Bid, the same shall be applicable even if issued after issue of this GeM Bid, but before opening of Part-II bids against this GeM Bid.

20.1. Compliance to restrictions under Rule 144(xi) of GFR 2017:

I. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. The Competent Authority for the purpose of this Clause shall be the Registration Committee constituted by the Department for Promotion of Industry and Internal Trade (DPIIT).

II. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.

III. "Bidder from a country which shares a land border with India" for the purpose of this Clause means:

- a. An entity incorporated established or registered in such a country; or
- b. A subsidiary of an entity incorporated established or registered in such a country; or

- c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
- d. An entity whose beneficial owner is situated in such a country; or
- e. An Indian (or other) agent of such an entity; or
- f. A natural person who is a citizen of such a country; or
- g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.

IV. The beneficial owner for the purpose of (III) above will be as under:

1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.
 - a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent of shares or capital or profits of the company.
 - b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholder's agreements or voting agreements.
 2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership or entitlement to more than fifteen percent of capital or profits of the partnership.
 3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person has ownership of or entitlement to more than fifteen percent of the property or capital or profits of the such association or body of individuals.
 4. Where no natural person is identified under (1) or (2) or (3) above, the beneficial owner is the relevant natural person who holds the position of senior managing official;
 5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
- V. An agent is a person employed to do any act for another, or to represent another in dealings
- (i) The bidder shall provide undertaking for their compliance to this Clause, in the format provided in Annexure-13.
 - (ii) Registration of the bidder with Competent Authority should be valid at the time of submission of bids and at the time of acceptance of the bids.

21. SETTLEMENT OF DISPUTE:

If any dispute or difference of any kind whatsoever shall arise between BHEL and the Supplier/Vendor, arising out of the contract for the performance of the work whether during the progress of contract termination, abandonment or breach of the contract, it shall in the first place referred to Designated Engineer for amicable resolution by the parties. Designated Engineer (to be nominated by BHEL for settlement of disputes arising out of the contract) who within 60 days after being requested shall give written notice of his decision to the contractor. Save as hereinafter provided, such decision in respect of every matter so referred shall forthwith be given effect to by the Supplier/Vendor who shall proceed with the work with all due diligence, whether he or BHEL desires to resolve the dispute as hereinafter provided or not.

If after the Designated Engineer has given written notice of this decision to the party and no intention to pursue the dispute has been communicated to him by the affected party within 30 days from the receipt of such notice, the said decision shall become final and binding on the parties. In the event the Supplier/Vendor being dissatisfied with any such decision or if amicable settlement cannot be reached then all such disputed issues shall be resolved through conciliation in terms of the BHEL Conciliation Scheme 2018 as per Clause 21.1

21.1. Conciliation:

Any dispute, difference or controversy of whatever nature howsoever arising under or out of or in relation to this Agreement (including its interpretation) between the Parties, and so notified in writing by either Party to the other Party (the "Dispute") shall, in the first instance, be attempted to be resolved amicably in accordance with the conciliation procedure as per BHEL Conciliation Scheme 2018. The proceedings of Conciliation shall broadly be governed by Part-III of the Arbitration and Conciliation Act 1996 or any statutory modification thereof and as provided in - "Procedure for conduct of conciliation proceedings" (as available in www.bhel.com)).

Note: Ministry of Finance has issued OM reference No. 1/2/24 dated 03.06.2024 regarding "Guidelines for Arbitration and Mediation in Contracts of Domestic Public Procurement. In the said OM it has been recommended that Government departments/ Entities/agencies are to encourage mediation under the Mediation Act. 2023. The said Act has not yet been notified by the Government. Therefore, the clause "Settlement of Disputes" shall be modified accordingly as and when the Mediation Act 2023 gets notified.

21.2. ARBITRATION:

- 21.2.1. Except as provided elsewhere in this Contract, in case Parties are unable to reach amicable settlement (whether by Conciliation to be conducted as provided in Clause 21.1 herein above or otherwise) in respect of any dispute or difference; arising out of the formation, breach, termination, validity or execution of the Contract; or, the respective rights and liabilities of the Parties; or, in relation to interpretation of any provision of the Contract; or, in any manner touching upon the Contract (hereinafter referred to as the 'Dispute'), then, either Party may, refer the disputes to Arbitral Institution and such dispute to be adjudicated by Sole Arbitrator appointed in accordance with the Rules of said Arbitral Institution.
- 21.2.2. A party willing to commence arbitration proceeding shall invoke Arbitration Clause by giving notice to the other party in terms of section 21 of the Arbitration & Conciliation Act, 1996 (hereinafter referred to as the 'Notice') before referring the matter to arbitral institution. The Notice shall be addressed to the Head of the Region, Power Sector/ Unit, BHEL, executing the Contract and shall contain the particulars of all claims to be referred to arbitration with sufficient detail and shall also indicate the monetary amount of such claim including interest, if any.
- 21.2.3. After expiry of 30 days from the date of receipt of aforesaid notice, the party invoking the Arbitration shall submit that dispute to the Arbitral Institutions and that dispute shall be adjudicated in accordance with their respective Arbitration Rules. The matter shall be adjudicated by a Sole Arbitrator who shall necessarily be a Retd Judge having considerable experience in commercial matters to be appointed/nominated by the respective institution. The cost/expenses pertaining to the said Arbitration shall also be governed in accordance with the Rules of the respective Arbitral Institution. The decision of the party invoking the Arbitration for reference of dispute to a specific Arbitral institution for adjudication of that dispute

shall be final and binding on both the parties and shall not be subject to any change thereafter. The institution once selected at the time of invocation of dispute shall remain unchanged.

- 21.2.4. The fee and expenses shall be borne by the parties as per the Arbitral Institutional rules.
- 21.2.5. The Arbitration proceedings shall be in English language and the seat and venue of Arbitration shall be Tiruchirappalli.
- 21.2.6. Subject to the above, the provisions of Arbitration & Conciliation Act 1996 and any amendment thereof shall be applicable. All matters relating to this Contract and arising out of invocation of Arbitration clause are subject to the exclusive jurisdiction of the Court(s) situated at Tiruchirappalli.
- 21.2.7. Notwithstanding any reference to the Designated Engineer or Conciliation or Arbitration herein, a. the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree. Settlement of Dispute clause cannot be invoked by the Contractor, if the Contract has been mutually closed or 'No Demand Certificate' has been furnished by the Contractor or any Settlement Agreement has been signed between the Employer and the Contractor.
- 21.2.8. It is agreed that Mechanism of resolution of disputes through arbitration shall be available only in the cases where the value of the dispute is less than Rs. 10 Crores.
- 21.2.9. In case the disputed amount (Claim, Counter claim including interest is Rs. 10 crores and above, the parties shall be within their rights to take recourse to remedies other than Arbitration, as may be available to them under the applicable laws after prior intimation to the other party. Subject to the aforesaid conditions, provisions of the Arbitration and Conciliation Act, 1996 and any statutory modifications or re-enactment thereof as amended from time to time, shall apply to the arbitration proceedings under this clause.
- 21.2.10. In case, multiple arbitrations are invoked (whether sub-judice or arbitral award passed) by any party to under this contract, then the cumulative value of claims (including interest claimed or awarded) in all such arbitrations shall be taken in account while arriving at the total claim in dispute for the subject contract for the purpose of clause 21.2.9. Disputes having cumulative value of less than 10 crores shall be resolved through arbitration and any additional dispute shall be adjudicated by the court of competent jurisdiction.

- 21.3. In case of contract with Public Sector Enterprise (PSE) or a Government Department, the following shall be applicable:

In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs)/ Port Trusts inter se and also between CPSEs and Government Departments/Organizations (excluding disputes concerning Railways, Income Tax, Customs & Excise Departments), such dispute or difference shall be taken up by either party for resolution through AMRCD (Administrative Mechanism for Resolution of CPSEs Disputes) as mentioned in DPE OM No. 05/0003/2019-FTS-10937 dated 14-12-2022 as amended from time to time.

22. JURISDICTION

Subject to clause 21 of this contract, the Civil Court having original Civil Jurisdiction in Tiruchirappalli shall alone have exclusive jurisdiction in regard to all matters in respect of the Contract.

GOVERNING LAWS

The contract shall be governed by the Law for the time being in force in the Republic of India.

23. FORCE MAJEURE:

23.1. "Force Majeure" shall mean circumstance which is:

- a) beyond control of either of the parties to contract,
- b) either of the parties could not reasonably have provided against the event before entering into the contract,
- c) having arisen, either of the parties could not reasonably have avoided or overcome, and
- d) is not substantially attributable to either of the parties

And

Prevents the performance of the contract,

Such circumstances include but shall not be limited to:

- i. War, hostilities, invasion, act of foreign enemies.
- ii. Rebellion, terrorism, revolution, insurrection, military or usurped power, or civil war.
- iii. Riot, commotion or disorder by persons other than the contractor's personnel and other employees of the contractor and sub-contractors.
- iv. Strike or lockout not solely involving the contractor's personnel and other employees of the contractor and sub-contractors.
- v. Encountering munitions of war, explosive materials, ionizing radiation or contamination by radio-activity, except as may be attributable to the contractor's use of such munitions, explosives, radiation or radio- activity.
- vi. Natural catastrophes such as earthquake, tsunami, volcanic activity, hurricane or typhoon, flood, fire, cyclones etc.
- vii. Epidemic, pandemic etc.

23.2. The following events are explicitly excluded from Force Majeure and are solely the responsibilities of the non-performing party: a) any strike, work-to-rule action, go-slow or similar labour difficulty (b) late delivery of equipment or material (unless caused by Force Majeure event) and (c) economic hardship.

23.3 If either party is prevented, hindered or delayed from or in performing any of its obligations under the Contract by an event of Force Majeure, then it shall notify the other in writing of the occurrence of such event and the circumstances thereof within 15 (fifteen) days after the occurrence of such event.

23.4 The party who has given such notice shall be excused from the performance or punctual performance of its obligations under the Contract for so long as the relevant event of Force Majeure continues and to the extent that such party's performance is prevented, hindered or delayed. The Time for Completion shall be extended by a period of time equal to period of delay caused due to such Force Majeure event.

23.5 Delay or non-performance by either party hereto caused by the occurrence of any event of Force Majeure shall not

v) Constitute a default or breach of the Contract.

vi) Give rise to any claim for damages or additional cost expense occasioned thereby, if and to the extent that such delay or non-performance is caused by the occurrence of an event of Force Majeure.

23.6 BHEL at its discretion may consider short closure of contract after 1 year of imposition of Force Majeure in line with extant guidelines. In any case, Supplier/Vendor cannot consider deemed short-closure after 1 year of imposition of Force Majeure.

24. NON-DISCLOSURE AGREEMENT:

The bidders shall enter into the Non-disclosure agreement separately. (Format attached).

25. CARTEL FORMATION:

The Bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. In case, the Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/ guidelines.

26. FRAUD PREVENTION POLICY:

Bidder along with its associate /collaborators /sub-contractors /sub-vendors / consultants / service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.

27. SUSPENSION OF BUSINESS DEALINGS WITH SUPPLIERS / CONTRACTORS:

The offers of the bidders who are under suspension as also the offers of the bidders, who engage the services of the banned firms / principal / agents, shall be rejected. The list of banned firms is available on BHEL web site www.bhel.com.

If any bidder / supplier / contractor during pre-tendering / tendering / post tendering / award / execution / post-execution stage indulges in any act, including but not limited to, mal-practices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the price or tampers the tendering process or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 (Bhartiya Nyaya Samhita 2023) or any other law in force in India, or does anything which is actionable under the Guidelines for Suspension of Business dealings, action may be taken against such bidder / supplier / contractor as per extant guidelines of the company available on www.bhel.com and / or under applicable legal provisions. Guidelines for suspension of business dealings is available in the webpage:

http://www.bhel.com/vender_registration/vender.php.

28. CONTACT DETAILS:

Bid should be free from correction, overwriting, using corrective fluid, etc. Any interlineation, cutting, erasure or overwriting shall be valid only if they are attested under full signature(s) of person(s) signing the bid else bid shall be liable for rejection. In the event of any Technical or Commercial queries, the same may please be addressed to the following BHEL concerned before Part I opening-

Shri Neeraj Xalxo Dy Mgr/Pur/MM/SSTP BHEL Tiruchirappalli Email: neerajxalxo@bhel.in	Shri Sagun Lal Sidar, Senior DGM/ MM / SSTP, BHEL Tiruchirappalli Email: slsidar@bhel.in	Shri R Ramesh Kumar, AGM/Operations/SSTP, BHEL Tiruchirappalli Email: rameshkumar.r@bhel.in
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Ph: 04312578480	Ph: 04312574192	Ph: 04312574132
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29. ORDER OF PRECEDENCE:

In the event of any ambiguity or conflict between the Tender Documents, the order of precedence shall be in the order below:

1. Amendments/Clarifications/Corrigenda/Errata etc. issued in respect of the tender documents by BHEL.
2. Buyer Added Bid Specific ATC
3. GeM Bid Technical Conditions of Contract (TCC)
4. GeM GTC

30. NOTE:

1. In the event of our customer order covering this tender being cancelled /placed on hold /otherwise modified, BHEL would be constrained to accordingly cancel / hold / modify the tender at any stage of execution.
2. BHEL may negotiate the L1 rate, if not meeting our budget / estimated cost. BHEL may re-float the tender opened, if L1 price is not acceptable to BHEL even after negotiation.

Any deviation from the conditions specified in TECHNO-COMMERCIAL TERMS AND CONDITIONS - Annexure-A, will lead to rejection of offer.

3. Any change in applicable rates of Tax or any other statutory levies (Direct / Indirect) or any new introduction of any levy by means of statute and its corresponding liability for the deliveries beyond the agreed delivery date for reasons not attributable to BHEL will be to vendors account. BHEL will not reimburse the same and any subsequent claim in this respect will be summarily rejected.
4. BHEL reserves its right to reject an offer due to unsatisfactory past performance by the respective Vendor in the execution of any contract to any BHEL project / Unit.
5. The offers of the bidders who are under suspension and also the offers of the bidders, who engage the services of the banned firms /principal/agents, shall be rejected. The list of banned firms is available on BHEL web site www.bhel.com.
6. Recovery / deduction as applicable as per Direct and Indirect taxes as notified by Govt. Of India from time to time will be made and information/certificate for such deduction/recoveries shall be provided by BHEL to the vendor.

31. ENCLOSURE:

Annexure-1: Check List.

Annexure-2: Offer forwarding letter / tender submission letter

Annexure-3: No Deviation Certificate

Annexure-4: Declaration regarding Insolvency/ Liquidation/ Bankruptcy Proceedings

Annexure-5: Declaration by Authorized Signatory

Annexure-6: Declaration by Authorized Signatory regarding Authenticity of submitted Documents

Annexure-7: Non-Disclosure Certificate

Annexure-8: Integrity Pact

Annexure-9: Declaration confirming knowledge about Site Conditions

Annexure-10: Declaration reg. Related Firms & their areas of Activities

Annexure-11: Declaration for relation in BHEL

Annexure- 12: Declaration reg. minimum local content in line with revised public procurement

Annexure- 13: Declaration regarding compliance to Restrictions under Rule 144 (xi) of GFR 2017

Annexure-14: Bank Account Details for E-Payment

Annexure-15: Power of Attorney for submission of tender.

Annexure-16: Proforma of Bank Guarantee for Earnest Money.

Annexure-17: Proforma of Bank Guarantee for Performance Security.

Annexure-18: List of Consortium Bank.

ANNEXURE 1: CHECKLIST

NOTE: - Suppliers are required to fill in the following details in their Letterhead and no column should be left blank

A	Name & Address of the Supplier	
B	GSTN No. the supplier (Place of Execution of Contract / Purchase order)	
C	Details of the contact person for this tender	
D	EMD Details	
E	DESCRIPTION	Applicability (By BHEL) Enclosed by Bidder (Yes/No)
i	Whether Pre - Qualification Criteria is understood and provided proper supporting documents.	Applicable/ Not Applicable Yes / No
ii	Whether all pages of the Tender documents including annexures, appendices etc. are read and understood	Applicable/ Not Applicable Yes / No
iii	Audited Balance Sheet and profit & Loss Account for the last three years	Applicable/ Not Applicable Yes / No
iv	Copy of PAN Card & GST registration	Applicable/ Not Applicable Yes / No
v	Submission of MSE certificate as specified in Tender	Applicable/ Not Applicable Yes / No
vi	Offer forwarding letter / tender submission letter as per Annexure – 2	Applicable/ Not Applicable Yes / No
vii	Submission of Certificate of No Deviation as per Annexure – 3	Applicable/ Not Applicable Yes / No
viii	Declaration regarding Insolvency/ Liquidation/ Bankruptcy Proceedings as per Annexure – 4	Applicable/ Not Applicable Yes / No
ix	Declaration by Authorized Signatory as per Annexure – 5	Applicable/ Not Applicable Yes / No
x	Declaration by Authorized Signatory regarding Authenticity of submitted Documents Annexure – 6	Applicable/ Not Applicable Yes / No
xi	Submission of Non-Disclosure Certificate as per Annexure – 7	Applicable/ Not Applicable Yes / No
xii	Submission of Integrity Pact as specified in Tender as per Annexure – 8	Applicable/ Not Applicable Yes / No

xiii	Declaration confirming knowledge about Site Conditions as per Annexure – 9	Applicable/ Not Applicable	Yes / No
xiv	Declaration reg. Related Firms & their areas of Activities as per Annexure – 10	Applicable/ Not Applicable	Yes / No
xv	Declaration for relation in BHEL as per Annexure – 11	Applicable/ Not Applicable	Yes / No
xvi	Declaration reg. minimum local content in line with revised public procurement as per Annexure – 12	Applicable/ Not Applicable	Yes / No
xvii	Declaration regarding compliance to Restrictions under Rule 144 (xi) of GFR 2017 as per Annexure – 13	Applicable/ Not Applicable	Yes / No
xviii	Bank Account Details for E-Payment as per Annexure – 14	Applicable/ Not Applicable	Yes / No
xix	Power of Attorney for submission of tender as per Annexure – 15	Applicable/ Not Applicable	Yes / No
xx	Proforma of Bank Guarantee for Earnest Money as per Annexure – 16	Applicable/ Not Applicable	Yes / No

NOTE: Strike off 'YES' or 'NO', as applicable. Tender not accompanied by the prescribed **above applicable documents** are liable to be summarily rejected.

Date:

Sign of the Authorised Signatory