

Technical Specifications

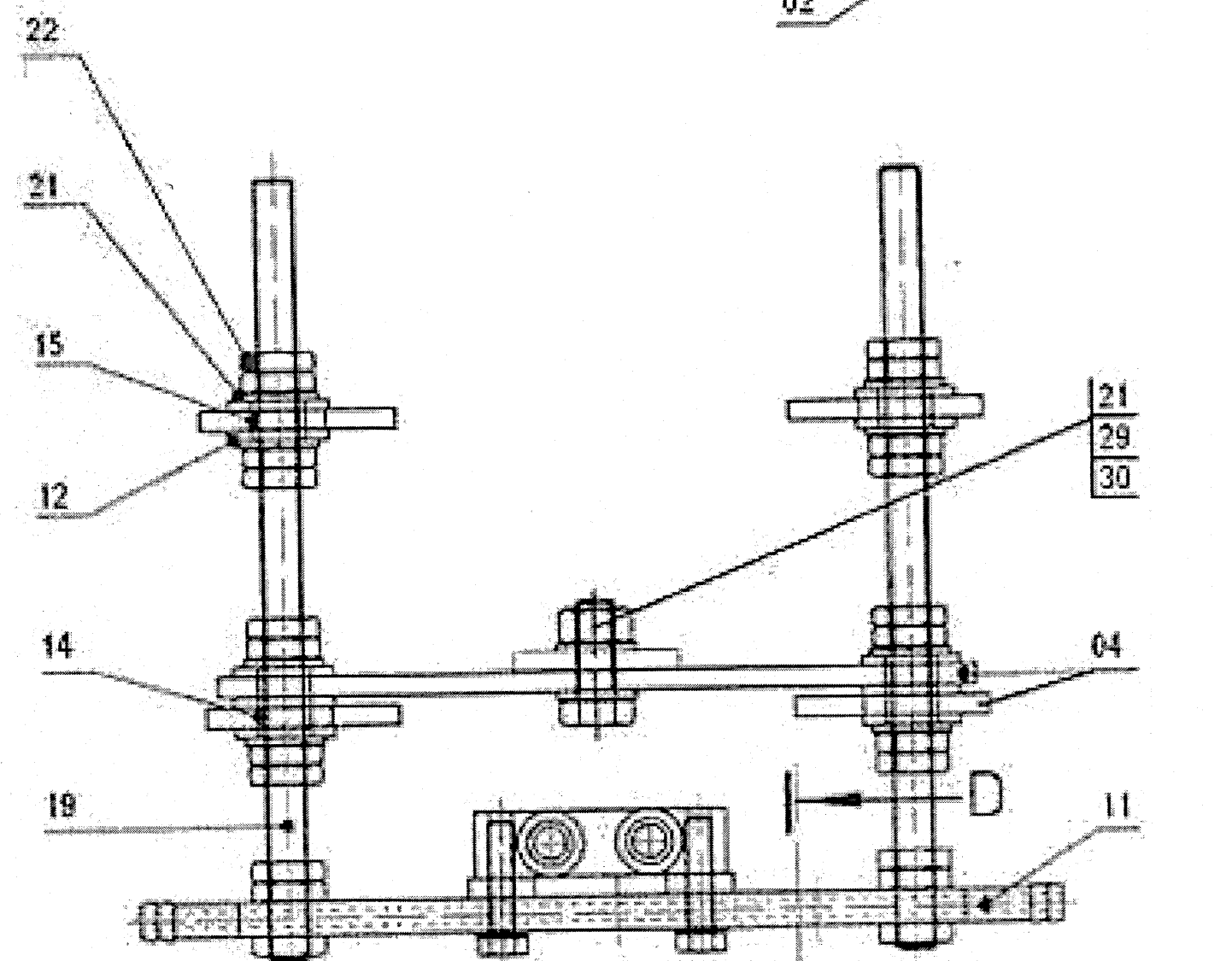
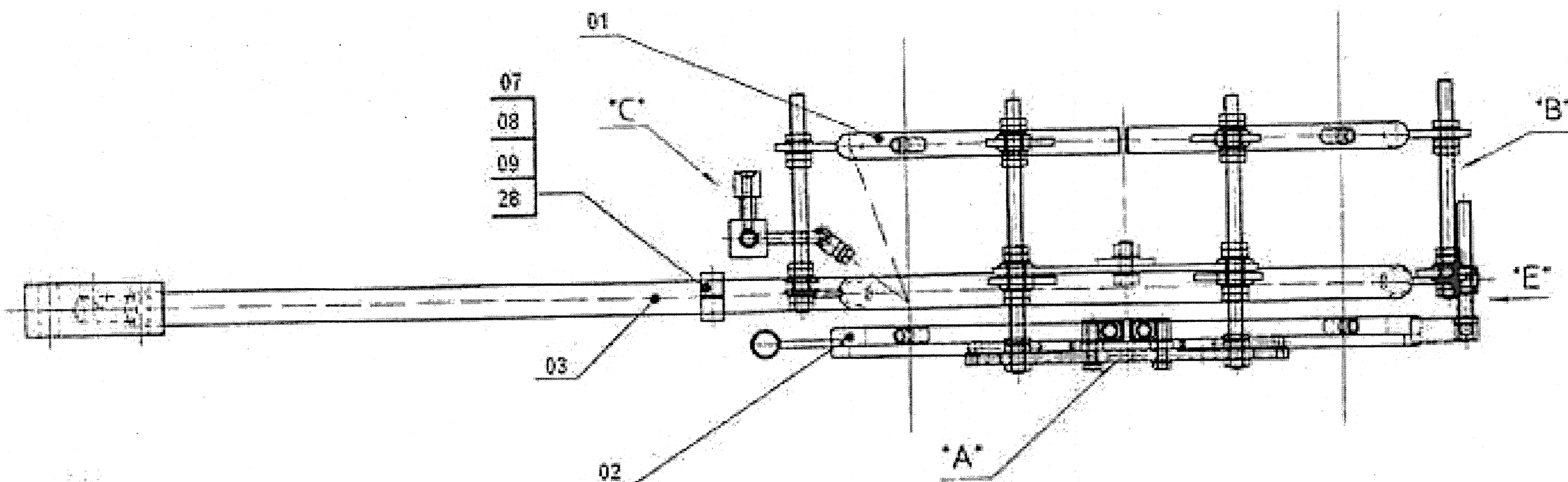
SL. No	Description and Technical Specification of the item	QTY	UNIT	Delivery
1	Inductor Assembly 711L30 for PB 600 SPECIFICATION: 711L30/720L30 Inductor set (Complete set consisting of Inductor Ring, Quench Ring, Air Ring and Mounting Parts) required for Pipe Bending Machine PB 600 as per drawing: 2M-12A23-04808/01. THE ASSEMBLY INCLUDES: INDUCTOR: 3M-12A23-14570/03 (AS PER SL. No.05), AIR RING: 3M-12A24-14044/04 (AS PER SL. No. 07), QUENCH RING: 2M-12A23-04807/02 (AS PER SL. No.14), SUB DRG. No: Bend Tube: 3M-12A23-14039/03 (AS PER SL. No. 12), Flange: 3M-12A23-14038/02, Strips and Blocks:2M-12A18-04364/03, Strips:4M-12A18-26664/01. Inductor Coil ID - 790 mm with 30x40mm rectangular copper tubing (Single turn)	1.00	SET	90 DAYS
2	Inductor Assembly 762L30 for PB 800 SPECIFICATION: 762L30 Inductor set (Complete set consisting of Inductor Ring, Quench Ring, Air Ring and Mounting Parts) required for Pipe Bending Machine PB 600 as per drawing: 2M-12A23-04808/01. Pipe specification: Pipe size: ID 680 x 42 (thickness) x 6500mm (length). Pipe material: SA335P92. THE ASSEMBLY INCLUDES: INDUCTOR: 3M-12A23-14570/03 (AS PER SL. No.08), AIR RING: 3M-12A24-14044/04 (AS PER SL. No. 08), QUENCH RING: 2M-12A24-04809/02 (AS PER SL. No.13), SUB DRG. No: Bend Tube: 3M-12A23-14039/03 (AS PER SL. No. 12), Flange: 3M-12A23-14038/02, Strips and Blocks:2M-12A18-04364/03, Strips:4M-12A18-26664/01.	1.00	SET	90 DAYS

	Inductor Coil ID - 832 mm with 30x40mm rectangular copper tubing (Single turn)			
3	Inductor Assembly 864L30 for PB 1200 SPECIFICATION: 864L30 Inductor set (Complete set consisting of Inductor Ring, Quench Ring, Air Ring and Mounting Parts) required for Pipe Bending Machine PB1200 as per drawing: 2M-12A18-04914. THE ASSEMBLY INCLUDES: INDUCTOR: 3M-12A18-14209/03 (AS PER SL. No.06), AIR RING: 3M-12A24-14044/03 (AS PER SL. No. 10), QUENCH RING: 2M-12A24-04809/02 (AS PER SL. No.15), SUB DRG. No: Bend Tube: 3M-12A18-14417/05 (AS PER SL. No. 19), Flange: 3M-12A23-14038/02, Strips and Blocks:2M-12A18-04364/03, Strips:4M-12A18-26664/02. Coil ID - 934 mm with 40x30mm rectangular copper tubing (Single turn)	1.00	SET	90 DAYS

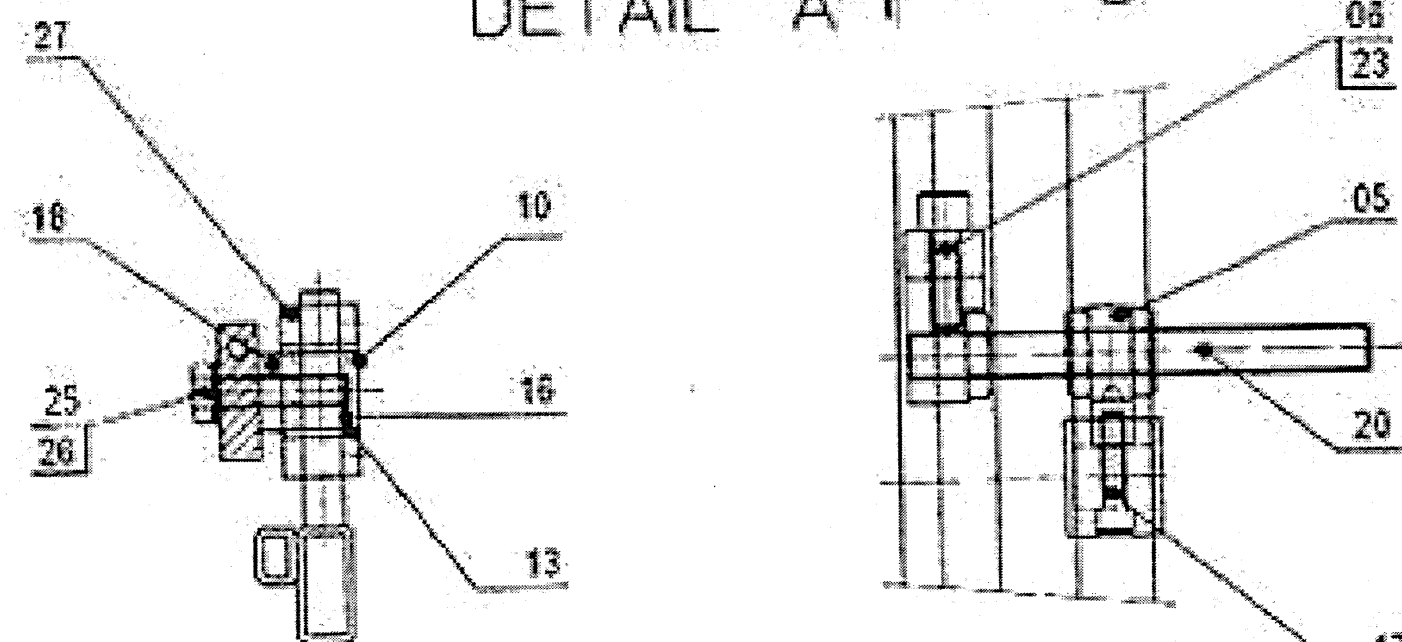
Sign. of the AUTHORISED SIGNATORY
(With Name, Designation and Company seal)

THIS DRAWING IS THE PROPERTY OF SHANT ELECTRIC LIMITED AND SHALL NOT BE USED IN ANY FORM FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF SHANT ELECTRIC LIMITED. TONGSHAN, CHINA

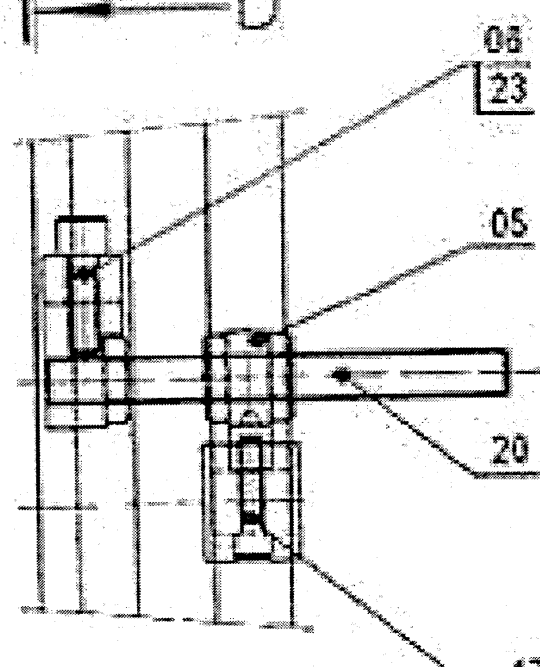
ALL DIMENSIONS ARE IN MM



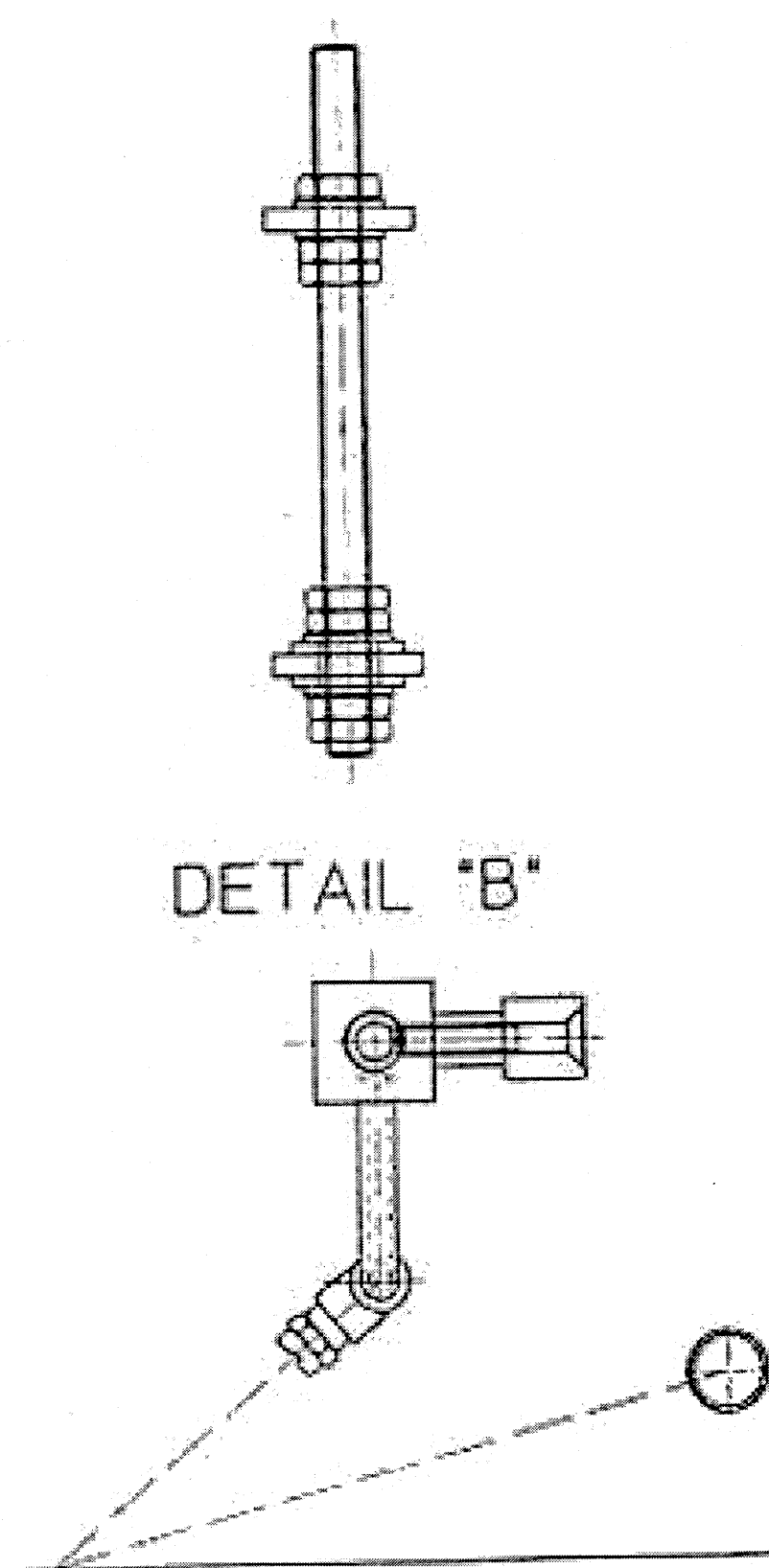
DETAIL "A"



SECTION "D-D"



VIEW "E"



DETAIL "B"

DETAIL "C"

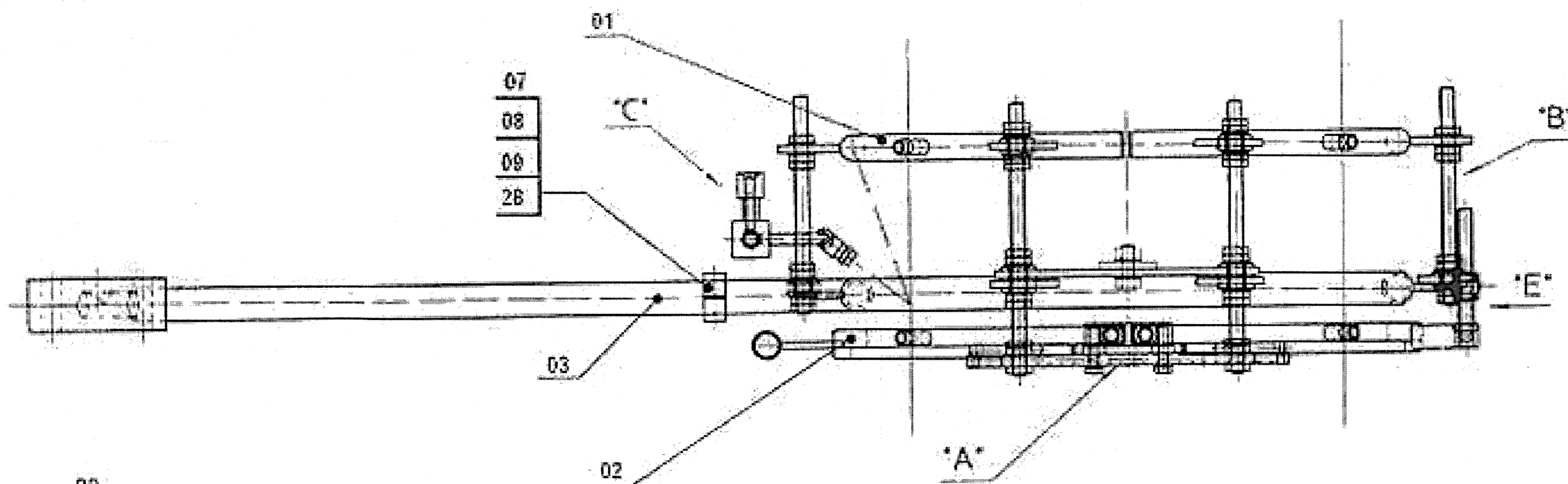
PIPE Ø	INDUCTOR DRGNº	QUENCH RING DRGNº	AIR RING DRGNº
Ø219-Ø457 (6-25)	3M12A2314041	2M12A2304807	3M12A2314037
Ø 219-Ø457 (25-45)	3M12A2314040	2M12A2304807	3M12A2314037
Ø 508-Ø720 (25-45)	3M12A2314570	2M12A2304807	3M12A2314038
Ø 323-457 (45-65)	3M12A2314192	2M12A2304807	3M12A2314037

1	NUT M12		AI SI 310			30
2	HEX.CAP SCREW M12x25L		AI SI 310			29
2	CSK.HEAD SCREW M6x50L		AI SI 310			28
8	ADJUSTING RING A10		AI SI 316			27
4	WASHER A8.4		AI SI 316			26
4	HEX. CAP SCREW M8x35L		AI SI 310			25
1	SOCKET HEAD SCREW M8x16L		AI SI 310			24
1	SOCKET HEAD SCREW M8x12L		AI SI 310			23
44	NUT M12		AI SI 310			22
19	WASHER A13		AI SI 316			21
1	THREADED ROD-M12x120L		AI SI 310			20
4	THREADED ROD-M12x235L		AI SI 310			19
4	WASHER-Ø20x6	CuZn39Pb3	ASTM 455 C 38500			18
1	INSULATING BUSH (CERAMIC) ID8xØØ21x161	SILLIMANITE 80% Al 2O3				17
4	INSULATING BUSH (CERAMIC) ID11xØØ14x201	SILLIMANITE 80% Al 2O3				16
4	INSULATING BUSH ID13xØØ16x111	MICANITE				15
4	INSULATING BUSH ID13xØØ16x201	MICANITE				14
8	INSULATING RING ID11xØØ20x21	MICANITE				13
20	INSULATING RING ID17xØØ30x31	MICANITE	IS: 3488			12
2	STRIP	CuZn39Pb3	ASTM 455 C 38500		4M12A1826664	11
2	PIVOT BLOCK-SQ20x76L	CuZn39Pb3	ASTM 455 C 38500		2M12A1804364	10
1	CLAMP-PL20x93x40		HYLUM		2M12A1804364	09
1	STRIP-PL20x6x93L		AI SI 316		2M12A1804364	08
1	STRIP-PL20x6x93L		AI SI 316		2M12A1804364	07
1	BLOCK-SQ20x32L	CuZn39Pb3	ASTM 455 C 38500		2M12A1804364	06
1	BLOCK-PL25x12x36L	CuZn39Pb3	ASTM 455 C 38500		2M12A1804364	05
2	STRIP-PL35x12x230		AI SI 316		2M12A1804364	04
1	INDUCTOR					03
1	QUENCH RING					02
1	AIR RING					01

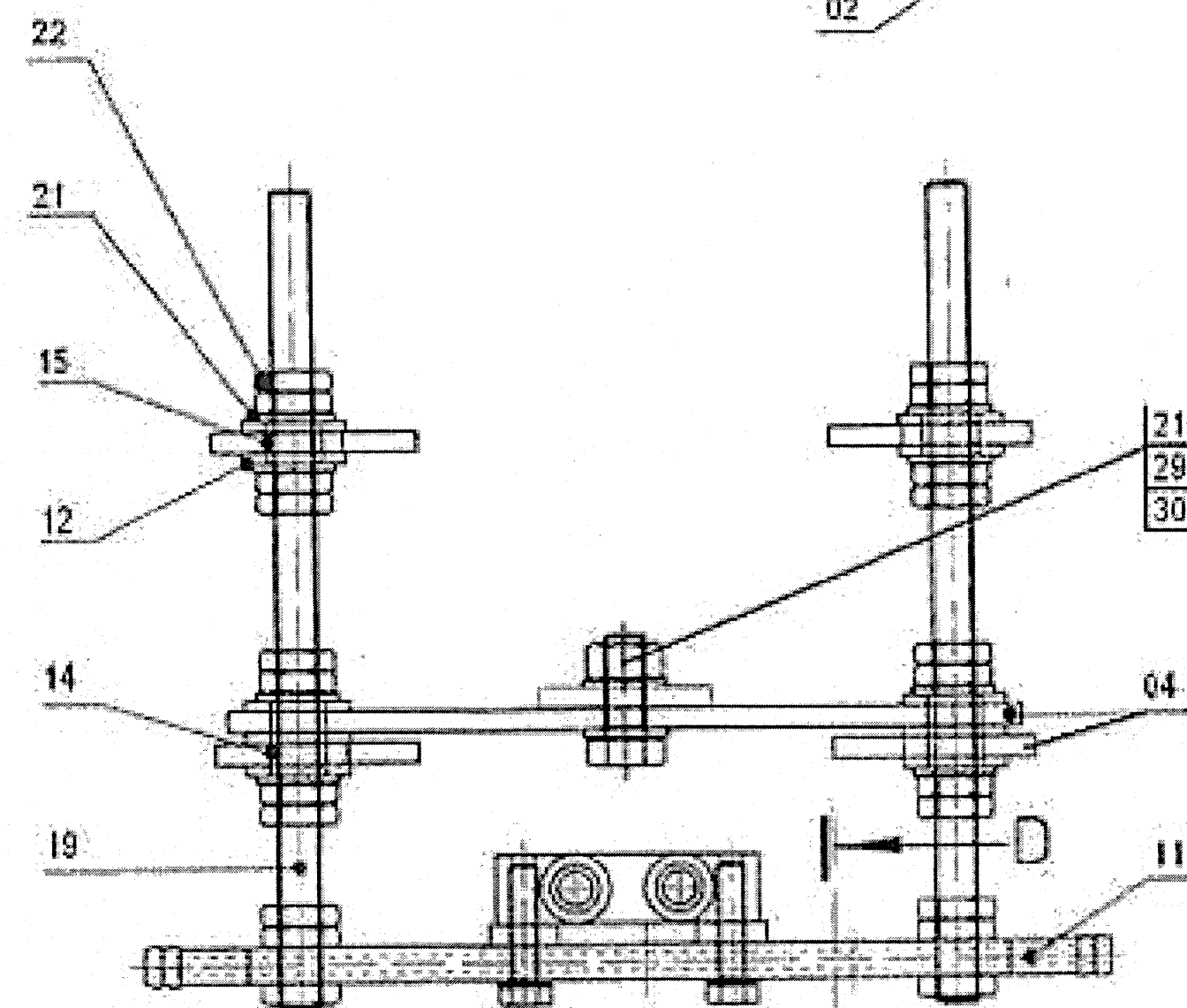
DESCRIPTION	MATERIAL	STANDARD	NET.WT. IN KGS.	DRAWING No.	ITEM No.
REFERENCE	ALTERATIONS	DEN. REF.	DATE	SIGN.	INDEX
SCALE	DRAWN/TCB	5:5			
CHECKED					
APPROVED					
DATE	01.10.2000				
MACHINING INCREMENTAL PIPE BENDER				TYPE: PB600R(NEW)	
INDUCTOR AND COOLING RING ASSY				2M12A2304808	
				REV.	

CAUTION: THIS DRAWING IS THE PROPERTY OF THE COMPANY AND SHOULD NOT BE USED IN ANY FORM FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF THE COMPANY. ANY VIOLATION WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

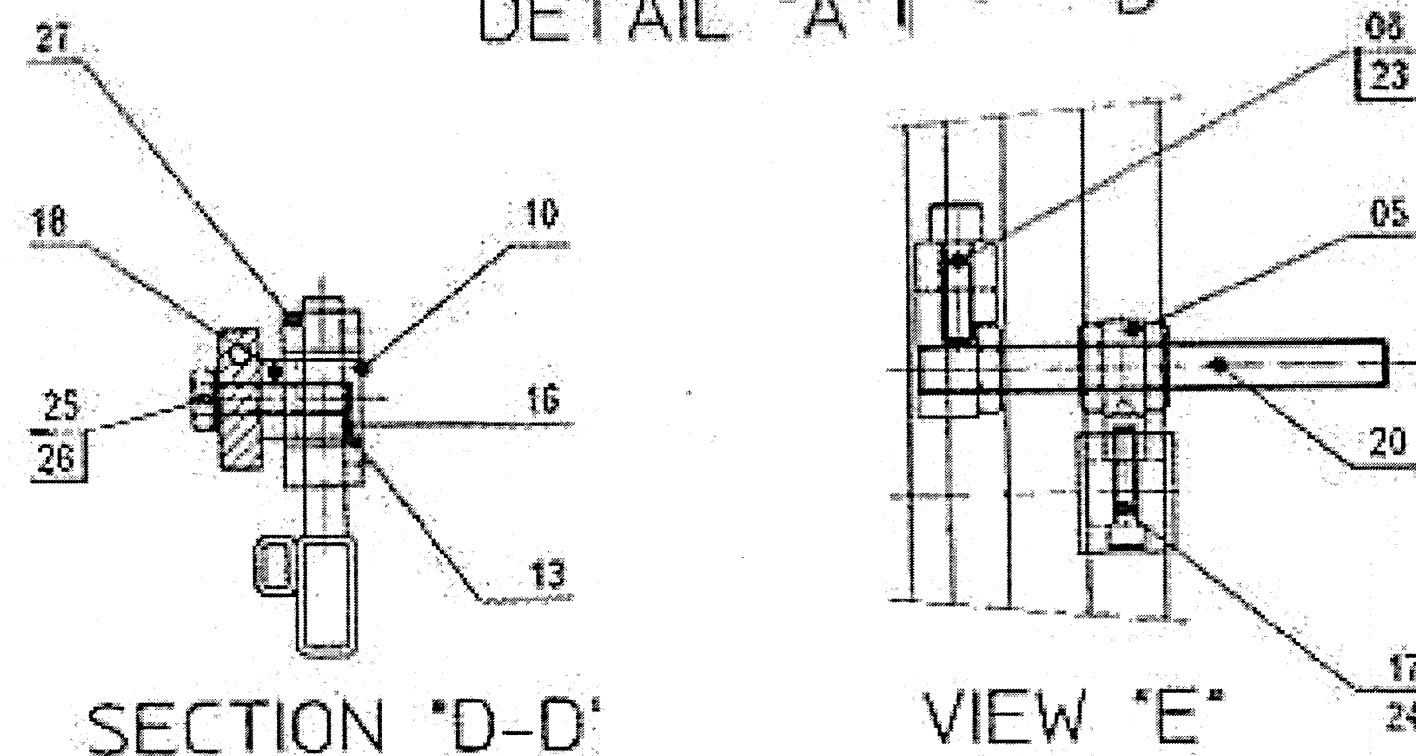
ALL DIMENSIONS ARE IN MM



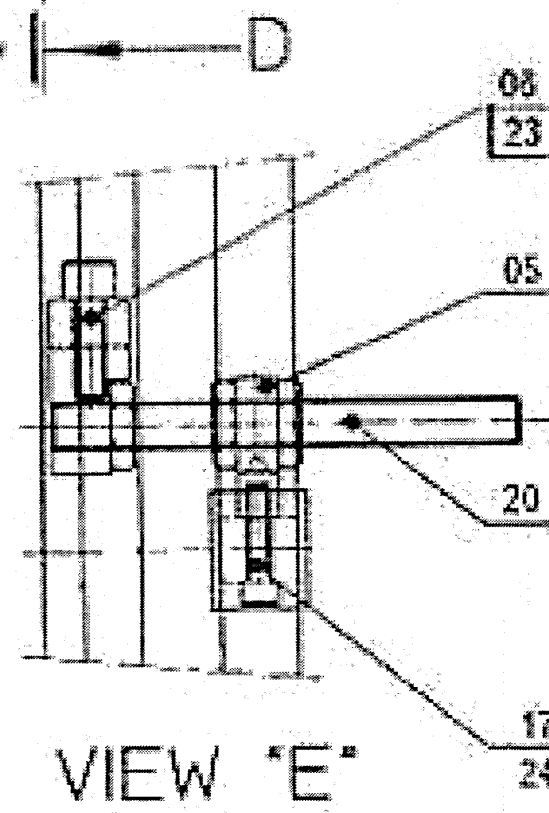
PIPE Ø	INDUCTOR DRG No.	QUENCH RING DRG No.	AIR RING DRG No.
Ø457 (45-85)	3M12A1814207	2M12A2404809	3M12A2414043
Ø558-Ø965 (45-65)	3M12A1814206	2M12A2404809	3M12A2414044
Ø508 (65-85)	3M12A1814404	2M12A2404901	3M12A2414416
Ø323 (25-45)	3M12A1814208	2M12A2304807	3M12A2314037
Ø558-Ø813 (25-45)	3M12A1814209	2M12A2404809	3M12A2414044



DETAIL "A"

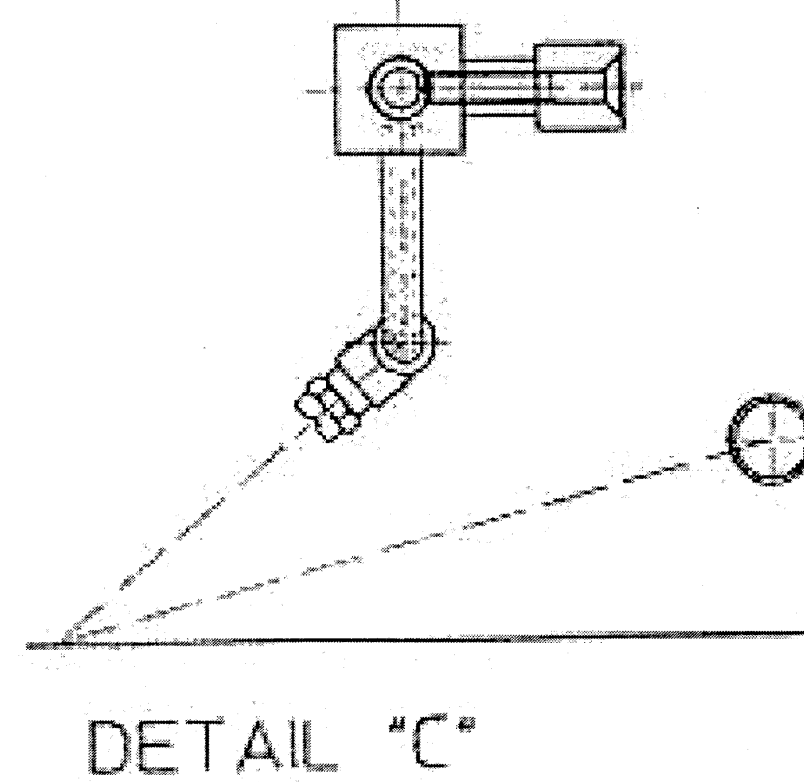


SECTION "D-D"



VIEW "E"

DETAIL "B"



DETAIL "C"

1	NUT M12		AISI 310			30
2	HEX.CAP SCREW M12x25L		AISI 310			29
2	CSK.HEAD SCREW M6x50L		AISI 310			28
8	ADJUSTING RING A10		AISI 316			27
4	WASHER AB.4		AISI 316			26
4	HEX. CAP SEREW M8x35L		AISI 310			25
1	SOCKET HEAD SCREW M8x16L		AISI 310			24
1	SOCKET HEAD SCREW M8x12L		AISI 310			23
44	NUT M12		AISI 310			22
19	WASHER A13		AISI 316			21
1	THREADED ROD-M12x120L		AISI 310			20
4	THREADED ROD-M12x235L		AISI 310			19
4	WASHER-Ø20x6	CuZn39Pb3	ASTM 455 C 38500			18
1	INSULATING BUSH (CERAMIC) Ø9xØ21x16L	SILIMANITE 60% AI 03				17
4	INSULATING BUSH (CERAMIC) Ø11xØ14x20L	SILIMANITE 60% AI 03				16
4	INSULATING BUSH Ø13xØ16x11L	MICANITE				15
4	INSULATING BUSH Ø13xØ16x20L	MICANITE				14
8	INSULATING RING Ø11xØ20x2L	MICANITE				13
20	INSULATING RING Ø17xØ30x3L	MICANITE	IS-3488			12
2	STRIP	CuZn39Pb3	ASTM 455 C 38500		4M12A1826664	11
2	PIVOT BLOCK-SQ20x76L	CuZn39Pb3	ASTM 455 C 38500		2M12A1804364	10
1	CLAMP-PL20x93x40		HYLUM		2M12A1804364	09
1	STRIP-PL20x6x93L		AISI 316		2M12A1804364	08
1	STRIP-PL20x6x93L		AISI 316		2M12A1804364	07
1	BLOCK-SQ20x32L	CuZn39Pb3	ASTM 455 C 38500		2M12A1804364	06
1	BLOCK-PL25x12x36L	CuZn39Pb3	ASTM 455 C 38500		2M12A1804364	05
2	STRIP-PL35x12x230		AISI 316		2M12A1804364	04
1	INDUCTOR					03
1	QUENCH RING					02
1	AIR RING					01

SCALE	DESCRIPTION	MATERIAL	STANDARD	NET.WT.IN KGS.	DRAWING No.	ITER No.
CHECKED	REFERENCE	ALTERATIONS	DOCH REF	DATE	SIGN	MARK
APPROVED						
DATE						
MACHINE INCREMENTAL PIPE BENDER			TYPE: PB1200R(NEW)			
TITLE			DRAWING No.			
INDUCTOR AND COOLING RING ASSY			2M12A1804914			
DRAWN No.			REV.			

THIS DRAWING IS OUR SOLE PROPERTY AND
SHOULD NOT BE USED IN ANY FORM FOR ANY
PURPOSE WITHOUT THE WRITTEN PERMISSION
OF BHARAT HEAVY ELECTRICALS LIMITED
TRICHIRAPPALLI - 620 014.



DETAIL-D

NOTE:

01. ALL JOINTS BY TIG WELDING
02. OVALITY SHOULD BE +5mm
03. FOR ALL WELD JOINTS,SUITABLE EDGE PREPARATION TO BE CARRIED OUT BEFORE WELDING
03. ALL TUBES ARE EXTRUDED AND MADE UP OF SINGLE PIECE WITHOUT ANY JOINTS

1	TUBE $\phi 25 \times 2 \text{ Thx } 30 \text{ L}$	CuZn37	IS: 410	09
1	PL 6x30x40	CuZn39Pb3	ASTM 455 C 38500	08
6	PL 8x40xC	CuZn39Pb3	ASTM 455 C 38500	07
2	PL 6x30x40	Sf.Cu	ASTM B75 C 12200	06
2	PL 2X40X30	E-Cu57	IS: 410	05
1	RECTANGULAR TUBE 40x30x4xL	Sf.Cu	ASTM B75 C 12200	04
2	BEND TUBE $\phi 28 \times 3.5 \times \text{L}$	Sf.Cu	ASTM B75 C 12200	03
1	FLANGE 45x80x120	El.Cu	IS: 191	02
1	FLANGE 45x80x120	El.Cu	IS: 191	01
				03
				04
				05
				06
				07
				08
				09

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

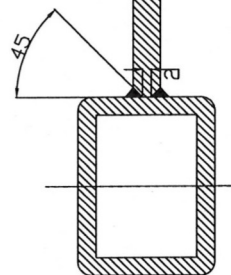
ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

ITEM No.	DRIVING No.	DATE	SIGN.	INDEX
01				
02	03.06.11			

SL No:	PIPE Ø	Ø A	Ø B	C	D
05	720	790	870	70	950
04	660	727	807	75	900
03	610	674	754	73	850
02	558	622	702	79	800
01	508	570	650	80	750



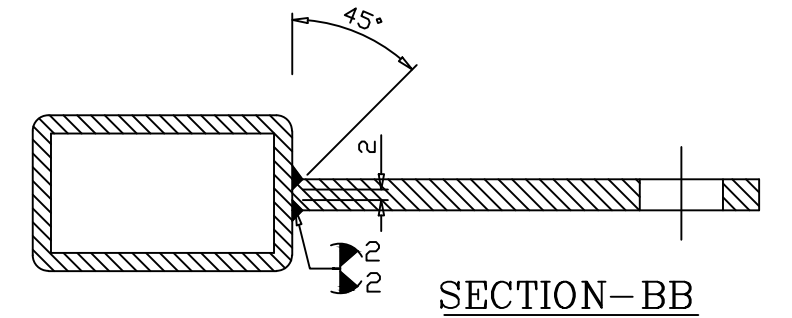
SECTION-BB

INDUCTOR
Ø508-Ø720(25-45)

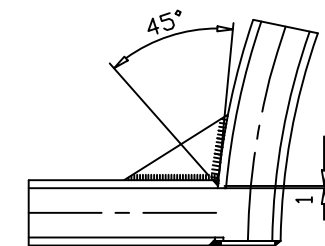
Sheet No.		No. of Sheets
3M12A2314570		02

No. of Sheets:

CAUTION:

[illegible]

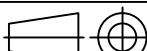
01. ALL JOINTS BY TIG WELDING
02. OVALITY SHOULD BE +5mm
03. FOR ALL WELD JOINTS,SUITABLE EDGE PREPARATION TO BE CARRIED OUT BEFORE WELDING
04. ALL TUBES ARE EXTRUDED AND MADE UP OF SINGLE PIECE WITHOUT ANY JOINTS



DETAIL-D

1	TUBEØ25x2Thx30L	CuZn37	IS: 410			09
1	PL.6X30X40	CuZn39Pb3	ASTM 455 C 38500			08
6	PL.8X40XC	CuZn39Pb3	ASTM 455 C 38500			07
2	PL.6X30X40	sf.Cu.	ASTM B75 C 12200			06
2	PL.2X40X30	E—Cu57	IS: 410			05
1	RECT.TUBE40x30x4xL	sf.Cu.	ASTM B75 C 12200			04
2	BENDTUBE Ø30x5xL (3)	sf.Cu.	ASTM B75 C 12200		3M12A1814417	03
1	FLANGE 45x80x120	El.Cu	IS:191		3M12A2314038	02
1	FLANGE 45x80x120	El.Cu	IS:191		3M12A2314038	01
					2M12A1804914	03
No.of Pieces	DESCRIPTION	MATERIAL	STANDARD	NET.WT.IN KGS.	DRAWING No.	ITEM No.

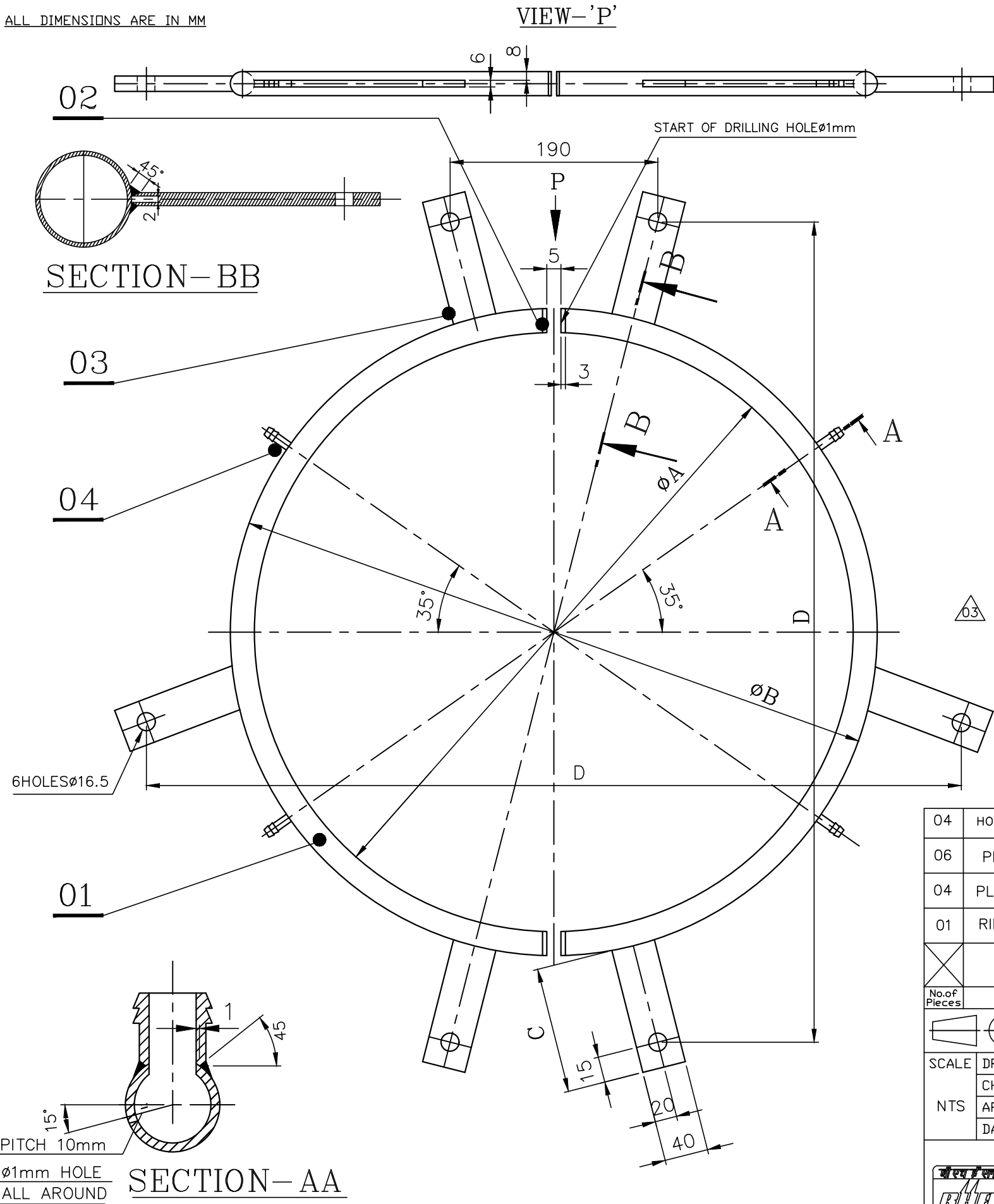
02	09	660	730	810	65	900
02	08	965	1035	1115	80	1200
02	07	914	984	1064	82	1150
02	06	864	934	1014	84	1100
02	05	762	832	912	87	1000
02	04	711	781	861	88	950
02	03	610	680	760	92	850
	02	813	884	964	70	1050
	01	558	622	702	79	800
	SL. NO.	Ø PIPE OD	Ø A	Ø B	C	D

		REFERENCE:		ALTERATIONS:		DCN REF	DATE	SIGN.	INDEX	
SCALE /	DRAWN	M.K.V		TABULATION ADDED						
	CHECKED	R.RAMAMOORTHY		ITEM No:7 PL 8MM WAS 6MM			03.06.11		①	
	APPROVED	C.S.JAYASHEELAN		TABULER COLUMN ADDED 3 TO 9			06.06.13	K.R	②	
	DATE	13-12-2000		ITEM No: 03 TUBE ø30X5 WAS ø28X3.5			31.01.15	GGR	③	
		MACHINE: INCREMENTAL PIPE BENDER			TYPE: PB1200R					
		TITLE: INDUCTOR ø558-ø965 (25-45)			DRAWING No:					REV. 03
					3M12A1814209					
					No. of Sheets:				Sheet No:	

THIS DRAWING IS OUR SOLE PROPERTY AND SHOULD NOT BE USED IN ANY FORM FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF BHARAT HEAVY ELECTRICALS LIMITED TRICHIRAPPALLI - 620 014.

CAUTION:

ALL DIMENSIONS ARE IN MM



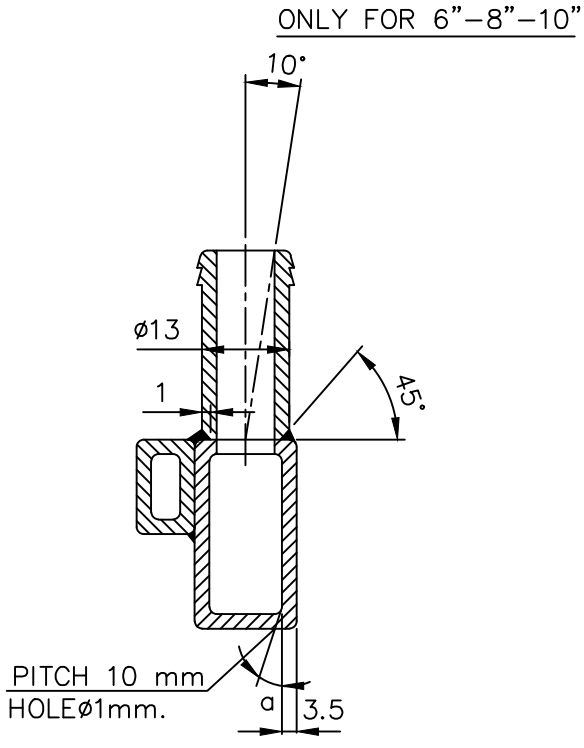
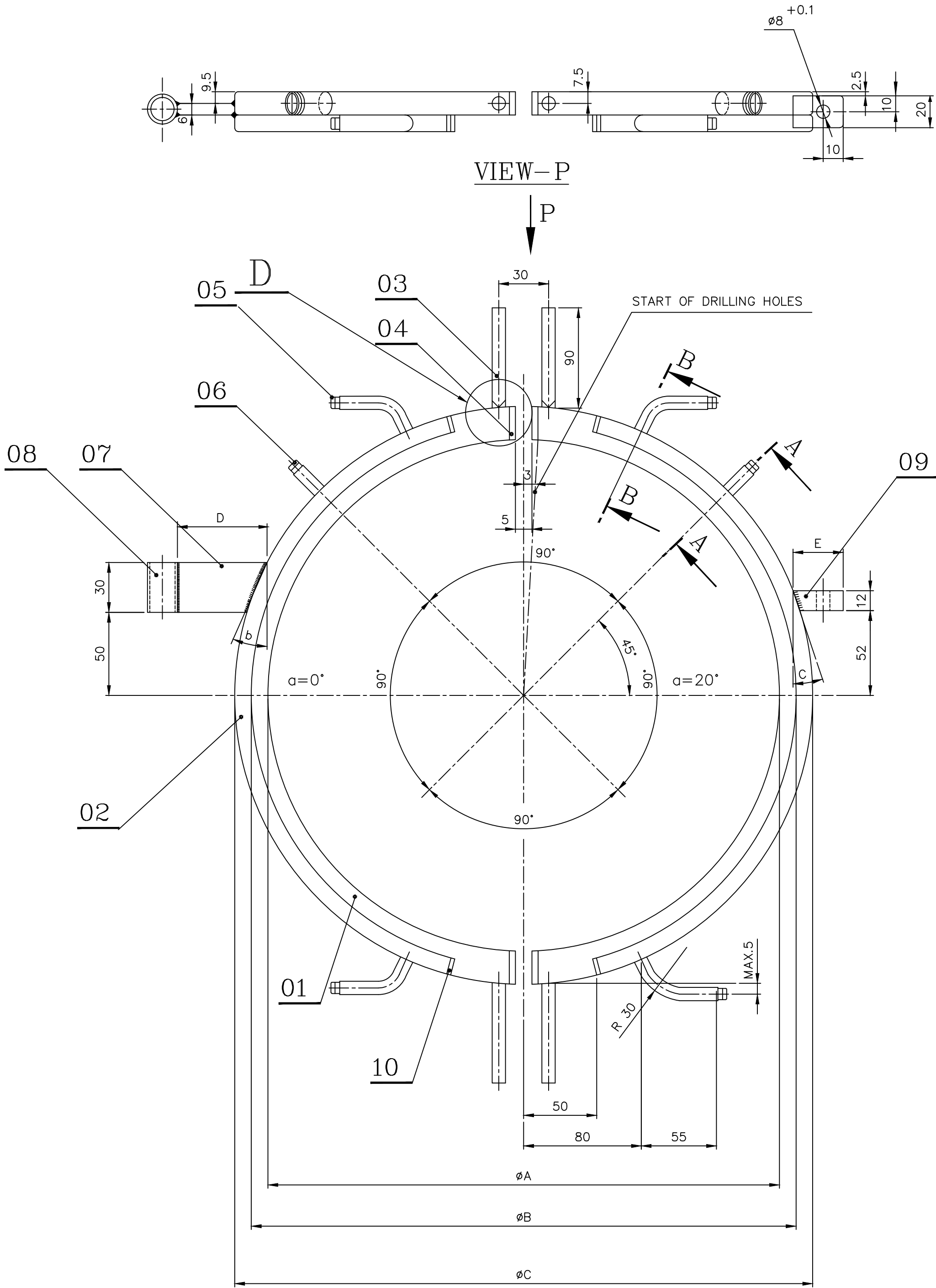
SL.NO.	PIPEØ	ØA	ØB	C	D
01	508	570	614	95	750
02	526	588	632	95	750
03	543	607	651	94	800
04	559	622	666	94	800
05	610	674	718	92	850
06	670	737	781	90	900
07	720	789	833	88	950
08	762	831	875	87	1000
09	813	884	928	85	1050
10	864	936	980	84	1100
11	914	989	1033	82	1150
12	965	1041	1085	80	1200
13	1016	1094	1138	79	1250
14	593	713	757	87	860

NOTE: 01. ALL JOINTS BY TIG WELDING
02. OVALITY SHOULD BE +
03. FOR ALL WELD JOINTS,SUITABLE EDGE PREPARATION TO BE CARRIED OUT BEFORE WELDING
04. ALL TUBES ARE EXTRUDED AND MADE UP OF SINGLE PIECE WITHOUT ANY JOINTS
05. GRADE OF UNTOL.DIM IS: 2102 (MEDIUM)

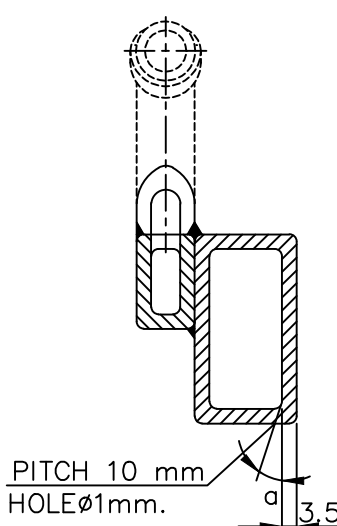
04	HOSE CONNECTION FOR HOSE OD13	BRASS	IS: 6912			04
06	PLATE BAR 8x40xC	CuZn39Pb3	ASTM 455 C 38500			03
04	PLATE 2xØ22	CuZn39Pb3	ASTM 455 C 38500			02
01	RING TUBE Ø22x1.5txL	CuZn37	IS: 410			01
					2M12A2404810 2M12A1804914	01
No.of Pieces	DESCRIPTION	MATERIAL	STANDARD	NET.WT.IN KGS.	DRAWING No.	ITEM No.
	REFERENCE:		ALTERATIONS:	DCN REF	DATE	SIGN.
SCALE	DRAWN/TC	S.Selvamanickam	TABULATION ADDED			01
	CHECKED	R.RAMAMOORTHY	ITEM No: 3 PL 8MM WAS 6MM		12.05.11	02
NTS	APPROVED	C.S.JAYASHEELAN	SL.NO.14 ADDED		05.08.20	NMV 03
	DATE	19.12.09/24.02,10'				
	MACHINE:	INCREMENTAL PIPE BENDER	TYPE:	PB1400HE (PB1200R)		
	TITLE:	AIR RING (PIPE Ø508-Ø1016)	DRAWING No:			REV.
			3M12A2414044			03
			Sheet No:		No.of Sheets:	

CAUTION: THIS DRAWING IS OUR SOLE PROPERTY AND SHOULD NOT BE USED IN ANY FORM FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF TCS HEAVY ELECTRICALS LIMITED TRICHIRAPPALLI - 680 014.

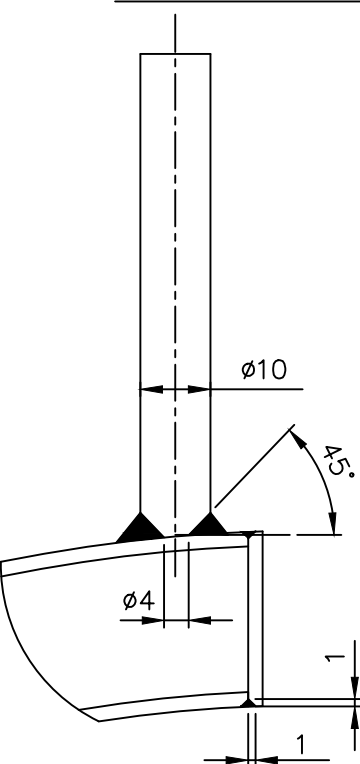
ALL DIMENSIONS ARE IN MM



SECTION-AA



SECTION-BB



DETAIL-D

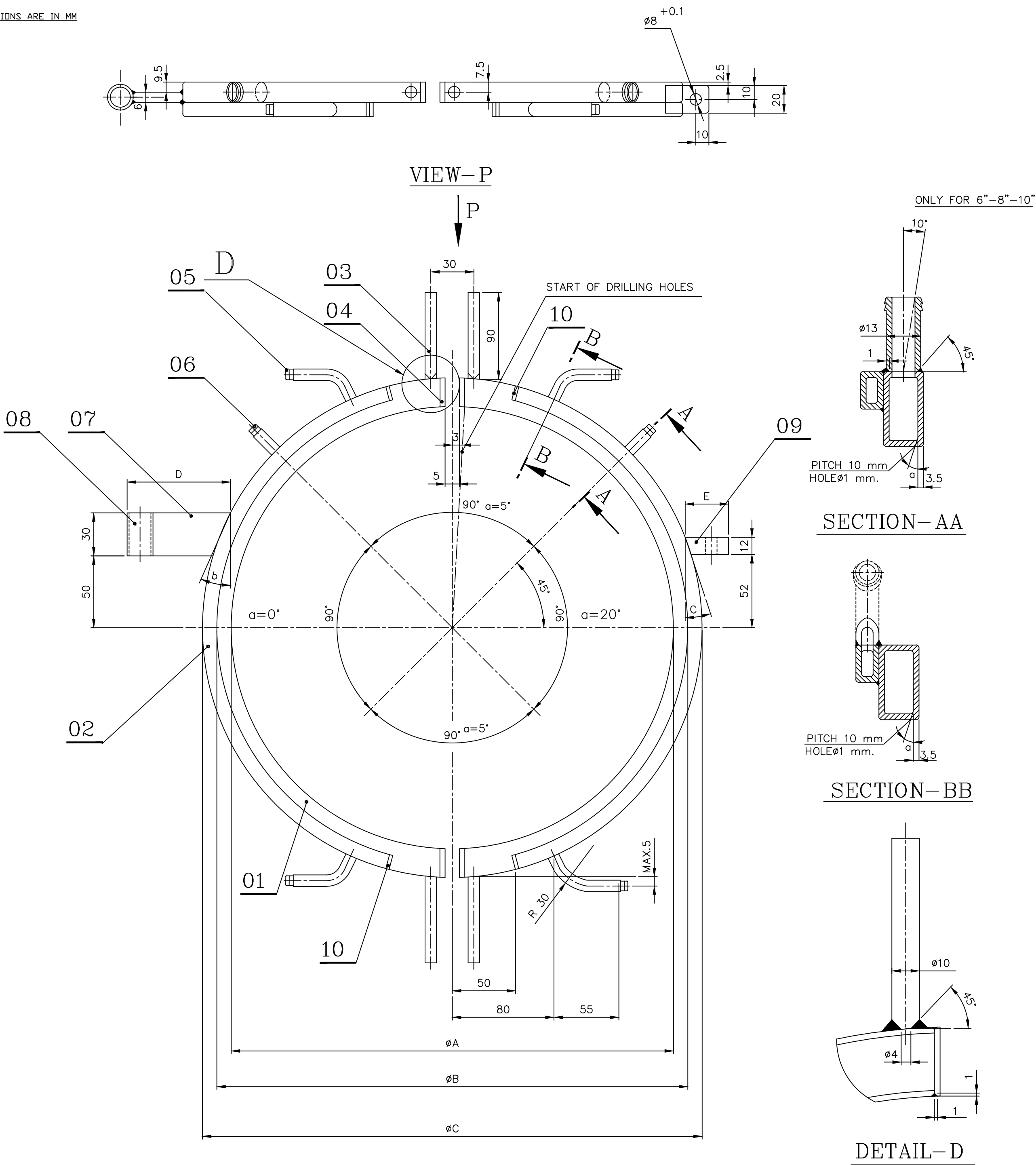
14	720	780	810	840	42	62
13	660	722	752	782	44	62
12	609	672	702	732	46	63
11	558	621	651	681	47	63
10	508	570	600	630	48	61
09	480	560	590	620	50	65
08	457	517	547	577	50	65
07	406	463	493	523	53	65
06	368	428	458	488	56	65
05	355	415	445	475	56	65
04	323	383	413	443	57	65
03	273	333	363	393	59	65
02	245	305	335	365	59	65
01	219	279	309	339	60	65
SL. No.	PIPEØ	AØ	BØ	CØ	D	E

- NOTE:
- 01. ALL JOINTS BY TIG WELDING
 - 02. OVALITY SHOULD BE +5mm
 - 03. FOR ALL WELD JOINTS,SUITABLE EDGE PREPARATION TO BE CARRIED OUT BEFORE WELDING
 - 04. ALL TUBES ARE EXTRUDED AND MADE UP OF SINGLE PIECE WITHOUT ANY JOINTS
 - 05 ITEM No.6-HOSE CONNECTOR: 2Nos.FOR PIPE SIZES BELOW Ø500 AND FOR PIPE SIZES ABOVE Ø500-4Nos AT 90° INTERVAL

4	PL.2tx15x10	E-Cu57	IS: 410			10
1	FLAT BAR 20x12xE,C=24°	CuZn39Pb3	ASTM 455 C 38500			09
1	TUBEØ25x2x30L	CuZn37	IS: 410			08
1	FLAT BAR 30x6 b=28°	E-Cu57	IS: 410			07
2	HOSE CONNECTION FOR HOSE 13 O.D	BRASS	IS: 6912			06
4	HOSE CONNECTION FOR HOSE 10 O.D	BRASS	IS: 6912			05
4	PL.2tx15x30	E-Cu57	IS: 410			04
4	RODØ10x90L	CuZn39Pb3	ASTM 455 C 38500			03
1	REC.TUBE 10x15x2xL	Sf.Cu	ASTM B75 C 12200			02
1	REC.TUBE 30x15x2xL	Sf.Cu	ASTM B75 C 12200			01
					2M12A2304808 2M12A1804914	02
No. of Pieces	DESCRIPTION	MATERIAL	STANDARD	NET.WT.IN KGS.	DRAWING No.	ITEM No.
	REFERENCE:		ALTERATIONS:	DCN REF	DATE	SIGN.
SCALE	DRAWN/TCI	P.A.ROSS	TABULATION ADDED			01
	CHECKED	R.RAMAMOORTHY				
	APPROVED	C.S.JAYASHEELAN				
	DATE	30-12-09				
	MACHINE: INCREMENTAL PIPE BENDER	TYPE: PB 600R (PB1200R)				
	TITLE: QUENCHING RING (Ø219-720)	DRAWING No:				REV. 01
	Sheet No:			No. of Sheets:		

CAUTION: THIS DRAWING IS OUR SOLE PROPERTY AND SHALL NOT BE REPRODUCED OR USED FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF BHARAT HEAVY ELECTRICALS LIMITED TRICHIRAPPALLI - 620 014.

ALL DIMENSIONS ARE IN MM



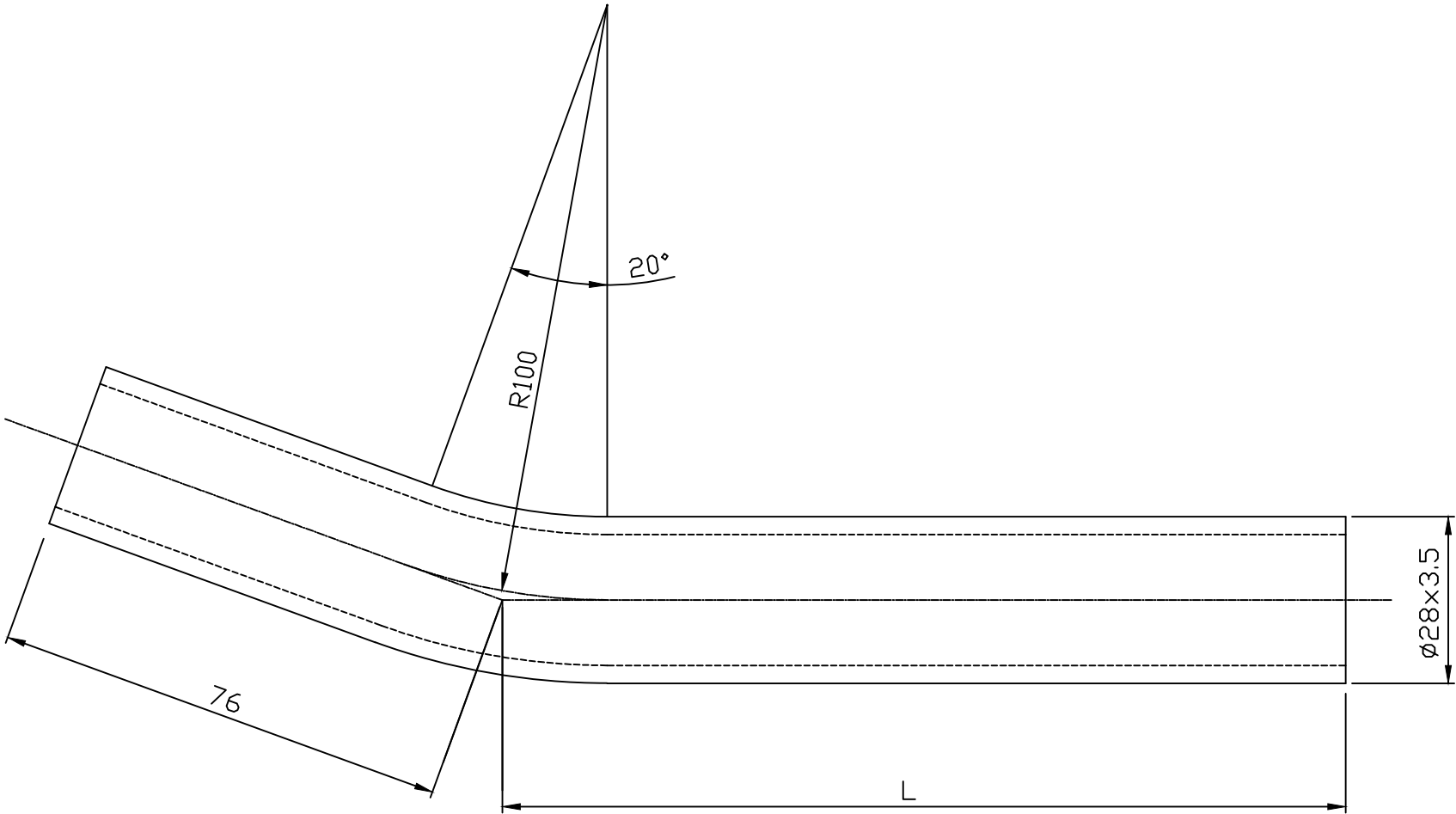
19	ø593	713	743	773	46	63
18	ø1016	1092	1122	1152	36	61
17	ø965	1041	1071	1101	37	61
16	ø914	983	1013	1043	38	61
15	ø864	933	963	993	39	61
14	ø813	882	912	942	40	61
13	ø762	831	861	891	42	62
12	ø720	780	810	840	42	62
11	ø670	722	752	782	44	62
10	ø610	672	702	732	46	63
09	ø559	621	651	681	47	63
08	ø543	606	636	666	47	63
07	ø526	588	618	648	48	61
06	ø508	570	600	630	48	61
05	ø457	517	547	577	50	65
04	ø406	463	493	523	53	65
03	ø355	410	440	470	56	65
02	ø273	328	358	388	59	65
01	ø219	275	305	335	54	70
SL. No.	PIPEø	øA	øB	øC	D	E

- NOTE:
01. ALL JOINTS BY TIG WELDING
 02. OVALITY SHOULD BE +5mm
 03. FOR ALL WELD JOINTS,SUITABLE EDGE PREPARATION TO BE CARRIED OUT BEFORE WELDING
 04. ALL TUBES ARE EXTRUDED AND MADE UP OF SINGLE PIECE WITHOUT ANY JOINTS
 05. ITEM No.6-HOSE CONNECTOR:2Nos.FOR PIPE SIZES BELOW ø500 AND FOR PIPE SIZES ABOVE ø500-4Nos AT 90° INTERVAL
 06. GRADE OF UNTOL.DIM IS: 2102 (MEDIUM)

4	PL.2tx15x10	E-Cu57	IS: 410			10
1	FLAT BAR 20x12E,C=24°	CuZn39Pb3	ASTM 455 C 38500			09
1	TUBEø25x2X30L	CuZn37	IS: 410			08
1	FLAT BAR 30x6 b=28°	E-Cu57	IS: 410			07
2	HOSE CONNECTION FOR HOSE 13 O.D	BRASS	IS: 6912			06
4	HOSE CONNECTION FOR HOSE 10 O.D	BRASS	IS: 6912			05
4	PL.2tx15x30	E-Cu57	IS: 410			04
1	RODø10x90L	CuZn39Pb3	ASTM 455 C 38500			03
1	REC.TUBE 15x10x2XL	Sf.Cu	ASTM B75 C 12200			02
1	REC.TUBE 30x15x2XL	Sf.Cu	ASTM B75 C 12200			01
					2M12A2404810 2M12A1804914	02
No. of Pieces	DESCRIPTION	MATERIAL	STANDARD	NET.WT.IN KGS.	DRAWING No.	ITEM No.
	REFERENCE: 48.55-0152/2		ALTERATIONS:	DCN REF	DATE	SIGN. INDEX
SCALE	DRAWN/TCO P.A.ROSS		TABULATION ADDED			01
1: 2.5	CHECKED R.RAMAMOORTHY		SL.NO.19 ADDED		05.08.20	NMV 02
1: 5	APPROVED C.S.JAYASHEELAN					
	DATE 01-01-10					
	MACHINE: INCREMENTAL PIPE BENDER		TYPE: PB 1400HE (1200R)			
	TITLE: QUENCHING RING (ø219-ø1016)		DRAWING No:			REV. 02
			Sheet No:		No. of Sheets:	

THIS DRAWING IS OUR SOLE PROPERTY AND SHOULD NOT BE USED IN ANY FORM FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF BHARAT HEAVY ELECTRICALS LIMITED TRICHIRAPPALLI - 620 014.

ALL DIMENSIONS ARE IN MM



02

24	(25-45)	454	360	
24	(25-45)	720	217	
23	(45-65)	480	350	
22	(45-65)	457	360	
21	(45-65)	406	391	
20	(45-65)	368	405	
19	(45-65)	559	301	
18	(25-45)	508	327	
17	(25-45)	355	402	
16	(25-45)	245	454	
15	(6-25)	406	356	
SL No:	PIPE THICK	PIPEØ	L	WT.IN KGS.

14	(6-25)	720	230	
13	(25-45)	660	249	
12	(6-25)	610	287	
11	(6-25)	558	313	
10	(6-25)	508	343	
09	(6-25)	457	365	
08	(25-45)	368	400	
07	(6-25)	368	406	
06	(6-25)	355	414	
05	(6-25)	323	427	
04	(25-45)	273	437	
03	(6-25)	273	451	
02	(25-45)	219	468	
01	(6-25)	219	478	
SL No:	PIPE THICK	PIPEØ	L	WT.IN KGS.

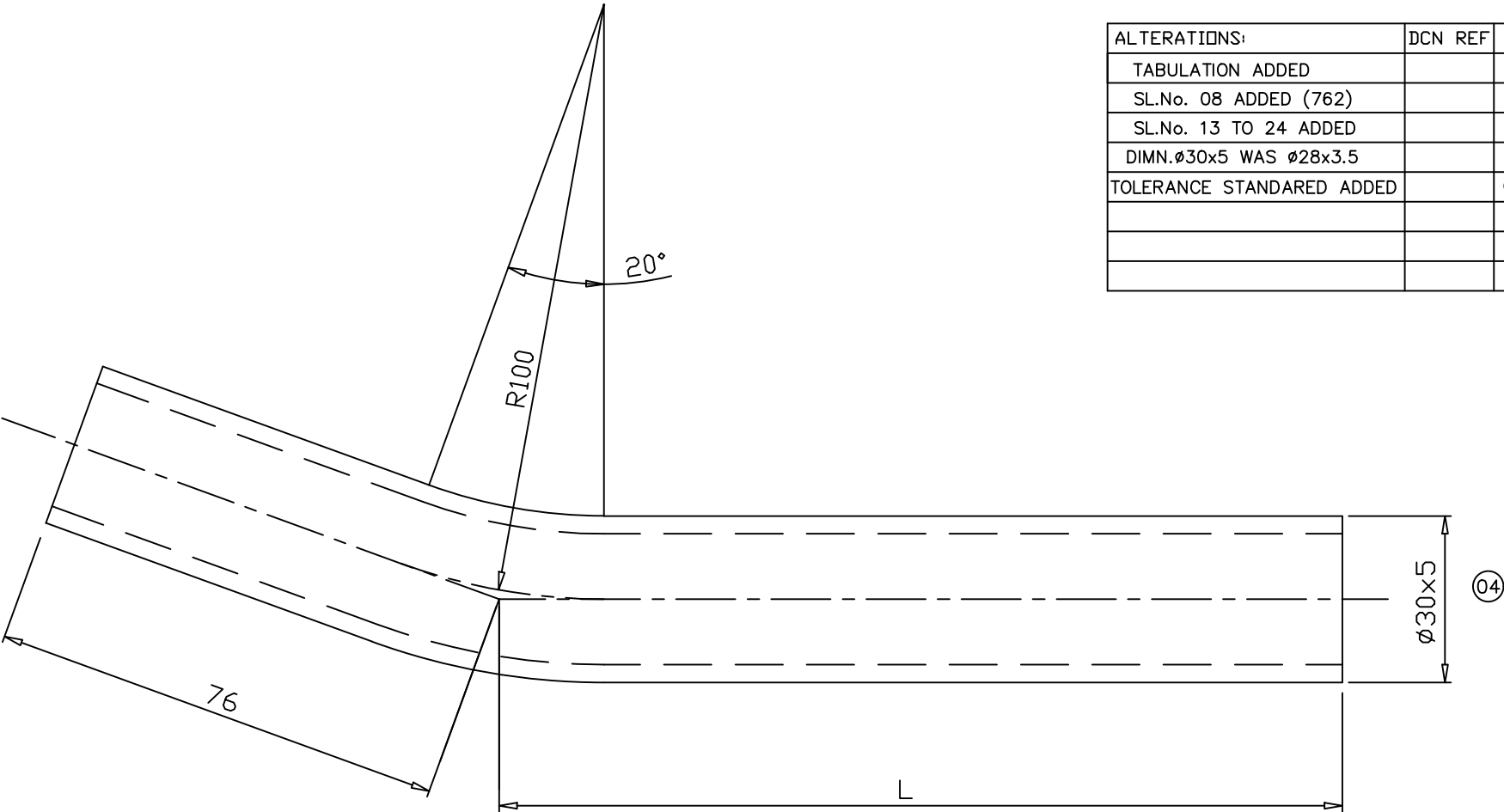
NOTE:

01. ALL TUBES ARE EXTRUDED AND MADE UP OF SINGLE PIECE WITHOUT ANY JOINTS

☒		TUBE Ø28x3.5xL		Sf.Cu	ASTM B75 C 12200				03
No.of Pieces	DESCRIPTION			MATERIAL	STANDARD	NET.WT.IN KGS.	DRAWING No.		ITEM No.
	REFERENCE:				ALTERATIONS:		DCN REF	DATE	SIGN.
SCALE	DRAWN	(TTB)		TABULATION ADDED					01
NTS	CHECKED	R.RAMAMOORTHY		SL.No. 25 WAS ADDED			01.04.13	K.R	02
	APPROVED	C.S.JAYASHEELAN							
	DATE	30.12.2009							
		MACHINE: INCRIMENTAL BENDER				TYPE: PB 600R(NEW)			
		TITLE: BENDTUBE				DRAWING No:			
						3M12A231403902			
						Sheet No:			
						No.of Sheets:			
						REV.			

THIS DRAWING IS OUR SOLE PROPERTY AND SHOULD NOT BE USED IN ANY FORM FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF BHARAT HEAVY ELECTRICALS LIMITED TRICHIRAPPALLI - 620 014.

ALL DIMENSIONS ARE IN MM

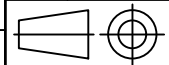


ALTERATIONS:	DCN	REF	DATE	SIGN.	INDEX
TABULATION ADDED					01
SL.No. 08 ADDED (762)			20.06.11		02
SL.No. 13 TO 24 ADDED			18.06.13	K.R	03
DIMN.Ø30x5 WAS Ø28x3.5			31.01.15	G.G.R	04
TOLERANCE STANDARED ADDED			05.08.20	NMV	05

03	24	(85-100)	646	497		12	(45-65)	969	343	
	23	(65-85)	524	558		11	(45-65)	914	370	
03	22	(65-85)	480	580		10	(45-65)	864	397	
03	21	(25-45)	965	343		09	(25-45)	813	418	
03	20	(25-45)	914	368		08	(06-25)	762	360	
03	19	(25-45)	864	393		07	(45-65)	720	470	
03	18	(45-65)	813	424		06	(45-65)	660	500	
03	17	(25-45)	711	470		05	(45-65)	564	551	
03	16	(06-25)	711	470		04	(25-45)	558	549	
03	15	(06-25)	660	500		03	(65-85)	508	568	
03	14	(25-45)	610	520		02	(45-65)	457	607	
03	13	(06-25)	610	520		01	(25-45)	323	669	
						SL No:	PIPE THICK	PIPEØ	LENGTH	WT.IN KGS.

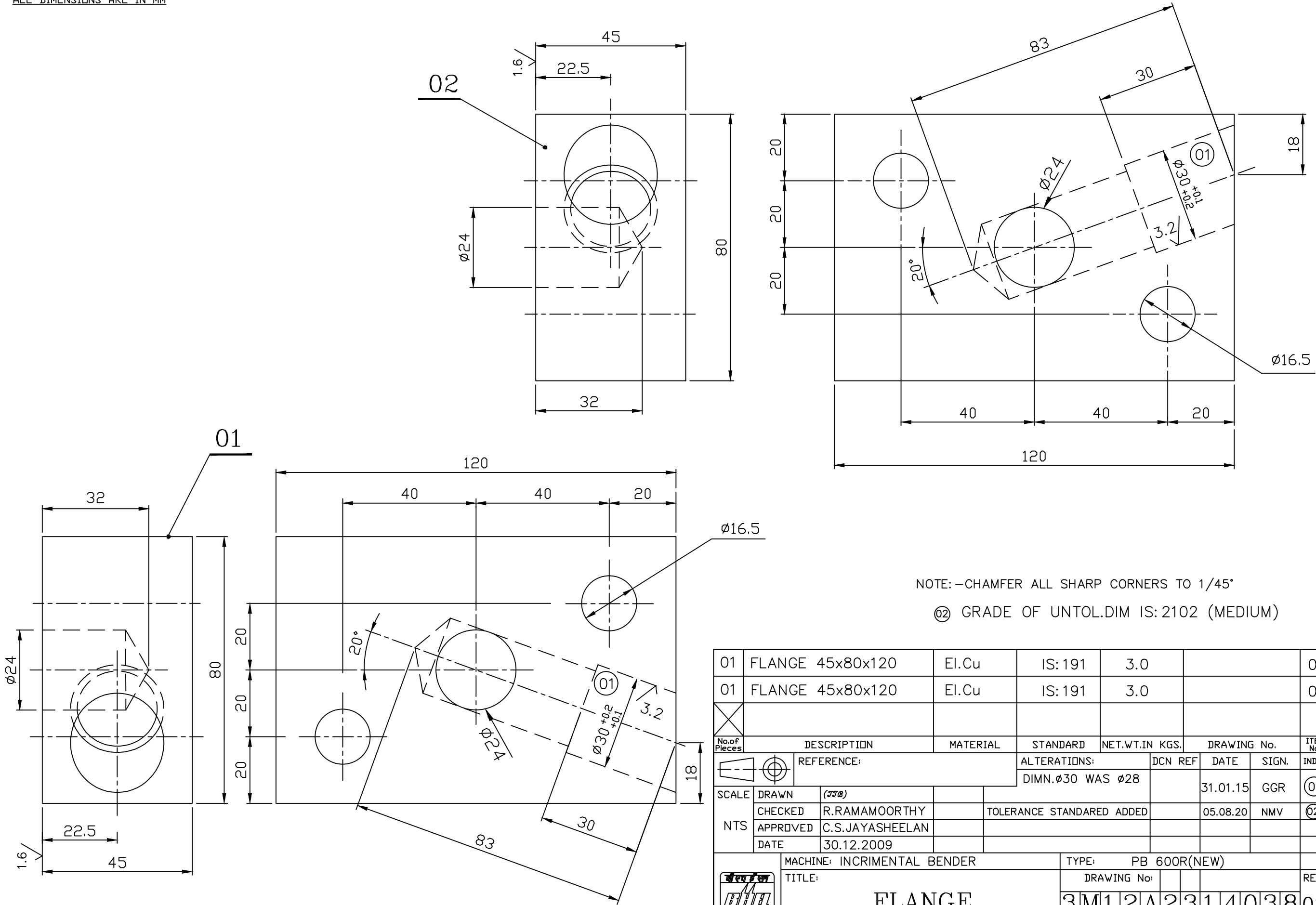
NOTE:

ALL TUBES ARE EXTRUDED AND MADE UP OF
SINGLE PIECE WITHOUT ANY JOINTS
05 GRADE OF UNTOL.DIM IS: 2102 (MEDIUM)

	TUBE Ø28x3.5xL			Sf.Cu	ASTM B75 C 12200					03		
No.of Pieces	DESCRIPTION				MATERIAL	STANDARD	NET.WT.IN KGS.	DRAWING No.		ITEM No.		
	REFERENCE:					ALTERATIONS:		DCN	REF	DATE	SIGN.	INDEX
SCALE NTS	DRAWN	(JTB)										
	CHECKED	R.RAMAMOORTHY										
	APPROVED	C.S.JAYASHEELAN										
	DATE	30.12.2009										
		MACHINE: INCRIMENTAL BENDER					TYPE: PB 1200R					
		TITLE: BEND TUBE					DRAWING No:					REV.
							3M12A181441705					
							Sheet No:			No.of Sheets:		

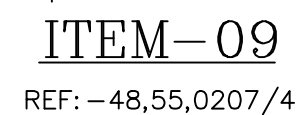
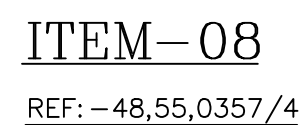
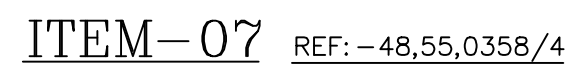
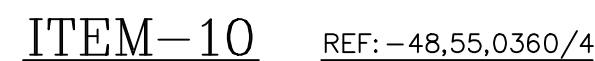
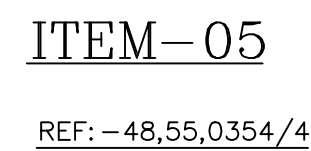
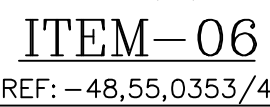
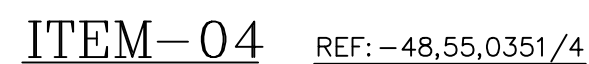
THIS DRAWING IS OUR SOLE PROPERTY AND SHOULD NOT BE USED IN ANY FORM FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF BHARAT HEAVY ELECTRICALS LIMITED TRICHIRAPPALLI - 620 014.

ALL DIMENSIONS ARE IN MM



NOTE: -CHAMFER ALL SHARP CORNERS TO 1/45°
② GRADE OF UNTOL.DIM IS: 2102 (MEDIUM)

01	FLANGE 45x80x120	EI.Cu	IS:191	3.0		02
01	FLANGE 45x80x120	EI.Cu	IS:191	3.0		01
No.of Pieces	DESCRIPTION	MATERIAL	STANDARD	NET.WT.IN KGS.	DRAWING No.	ITEM No.
REFERENCE:	ALTERATIONS:		DCN REF	DATE	SIGN.	INDEX
SCALE	DRAWN	(JJB)	DIMN.ø30 WAS ø28		31.01.15	GGR ①
NTS	CHECKED	R.RAMAMOORTHY	TOLERANCE STANDARED ADDED		05.08.20	NMV ②
	APPROVED	C.S.JAYASHEELAN				
	DATE	30.12.2009				
MACHINE: INCRIMENTAL BENDER			TYPE: PB 600R(NEW)			
TITLE:			DRAWING No:			REV.
FLANGE			3M12A231403802			
Sheet No:			No.of Sheets:			

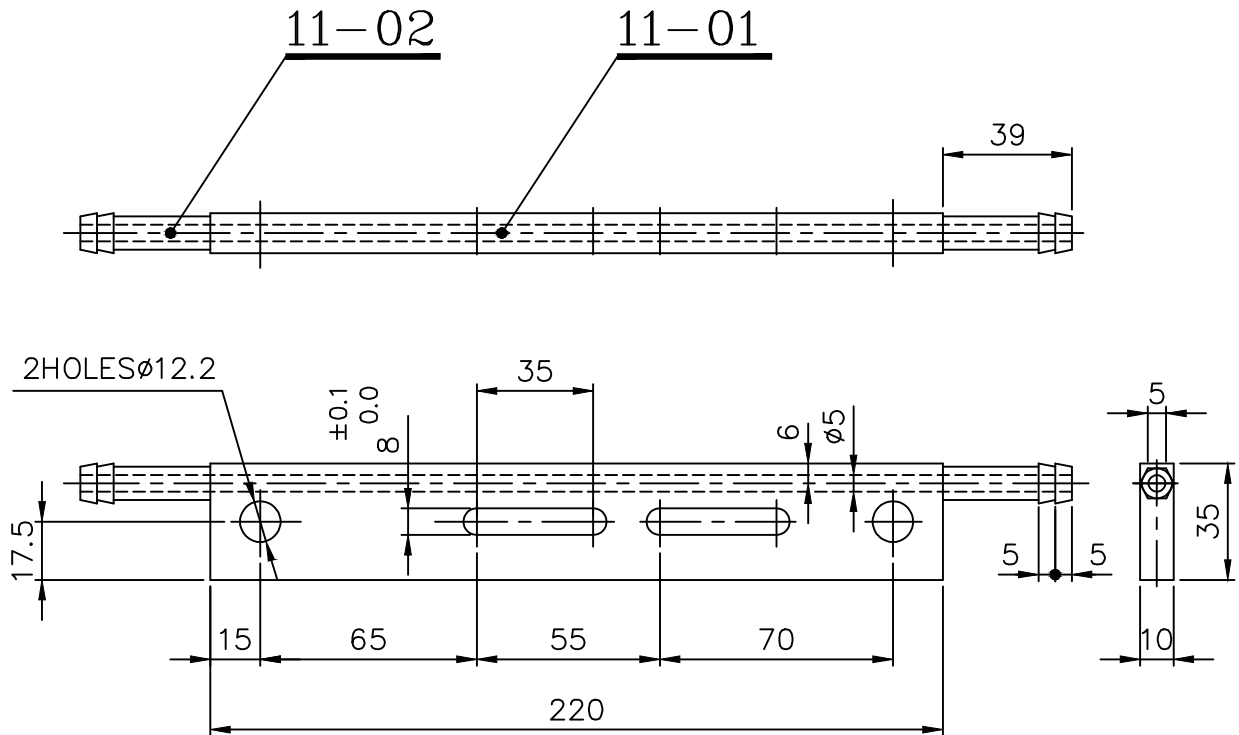


	PIVOT BLOCK SQ.20x76	Cu.Zn.39Pb3	ASTM 455 C 38500				10
	CLAMP 20x40x93	HYLUM					09
	STRIP 6x20x93		AISI 316				08
	STRIP 6x20x93		AISI 316				07
	BLOCK SQ.20x32	Cu.Zn.39Pb3	ASTM 455 C 38500				06
	BLOCK 11x24x36	Cu.Zn.39Pb3	ASTM 455 C 38500				05
	STRIP 6x35x230		AISI 316				04
						2M12A2404810 2M12A2304808 2M12A1804914 2M12A1804365	
No of Pieces	DESCRIPTION	MATERIAL	STANDARD	NET.WT.IN KGS.	DRG.NO/MATL CODE	ITEM No.	
	REFERENCE:	ALTERATIONS:	DCN REF	DATE	SIGN.	INDEX	
SCALE	DRAWN	P.A.ROSS	DRG. MODIFIED TO DATE	15.03.12	CSJ	(01)	
1:1	CHECKED	R.RAMAMOORTHY	DRG. MODIFIED TO DATE	31.01.15	GGR	(02)	
	APPROVED	C.S.JAYASHEELAN	TOLERANCE STANDARED ADDED	05.08.20	NMV	(03)	
	DATE	25-10-2000/28-12-10					
MACHINE: INCREMENTAL PIPE BENDER			TYPE: PB 1400HE, PB 1200R, PB 600R				
	TITLE:		DRAWING No:				REV.
STRIPS & BLOCKS			2M12A1804364				03
			Sheet No:		No of Sheets:		

THIS DRAWING IS OUR SOLE PROPERTY AND SHOULD NOT BE USED IN ANY FORM FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION OF BHARAT HEAVY ELECTRICALS LIMITED

CAUTION:

ALL DIMENSIONS ARE IN MM



NOTE: -

REMOVE ALL SHARP CORNERS

TO BE SOLDERED WITH SILFOS

② GRADE OF UNTOL.DIM IS: 2102 (MEDIUM)

02	ø12x39	CuZn39Pb3	ASTM 455 C 38500			02
01	10x35x220	CuZn39Pb3	ASTM 455 C 38500			01
					2M12A1804365 2M12A2404810 2M12A2304808 2M12A1804914	11
No. of Pieces	DESCRIPTION	MATERIAL	STANDARD	NET.WT.IN KGS.	DRAWING No.	ITEM No.
	REFERENCE:		ALTERATIONS:	DCN REF	DATE	SIGN.
SCALE	DRAWN/TCO	S.selvamanickam	MATERIAL CHANGED		17.02.10	CSJ
	CHECKED	R.RAMAMOORTHY	TOLERANCE STANDARED ADDED		05.08.20	NMV
1:2	APPROVED	C.S.JAYASHEELAN				
	DATE	24.10.2000/17.02.10'				
	MACHINE: INCREMENTAL PIPE BENDER		TYPE: PB 1200R			
	TITLE:		DRAWING No:			REV.
		STRIP	4M12A1826664			02
			Sheet No:		No. of Sheets:	

Annexure – A- Special Conditions for GeM Enquiry

The terms and condition mentioned in this document are applicable in addition to the Buyer Added Bid Specific Additional Terms & Conditions and GeM General Terms and Conditions. Bidders shall furnish pointwise confirmation/details.

<u>To be filled by bidder</u>				
Description of the item/Equipment:				
GeM Tender No. & Date				
Name of the firm (Bidder)		:		
Address		:		
<u>Contact person 1</u>		<u>Contact person 2</u>		
Name:		Name:		
Designation:		Designation:		
Office Phone:		Office Phone:		
Mobile:		Mobile:		
e-mail:		e-mail:		
Sl	Terms and conditions/Details required			Vendor's confirmation
1.	Indicate the MSME status of the bidder. MICRO/SMALL/MEDIUM/Non-MSME (Udyam certificate is to be uploaded in proof of above).			
2.	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 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 in the tender, offer shall be processed construing that the bidder is not falling under MSE category.			
3.	Payment terms shall be as per clause 9 of Buyer Added Bid Specific Additional Terms & Conditions for this tender. Confirm your acceptance for the payment terms relevance to your MSME status indicated above. Note: If it is indicated as "For availing benefits of Priority Sector Lending(PSL) ONLY" in Udyam certificate, then no MSME benefit will be considered for this tender.			
4.	Liquidated Damages shall be as per clause 18 of Buyer Added Bid Specific Additional Terms & Conditions. Confirm your acceptance.			

5.	Offers from Indigenous supplier will be considered only if they have a valid GST registration certificate. Please Indicate the GST registration number. If any specific exemption is available, a declaration with due supporting documents need to be furnished for considering the offer.	GST No. _____
6.	Performance Bank Guarantee: Not Applicable	
7.	HSN Code for the quoted items	HSN CODE : _____
8.	Rate quoted in GeM portal should be on FOR destination basis inclusive of all taxes, P&F, freight etc. Transit Insurance is under Supplier scope. Please indicate how much GST percentage is included in quoted price.	GST in %: _____
9.	Technical (Specification, brand, etc.) and commercial terms agreed against BHEL clarifications during the techno-commercial evaluation stage should also be honoured by the bidder, even if they aren't explicitly part of the final GeM contract. The rationale behind this is that such agreements influence the final decision and are not captured by GeM in to the GeM contract. Please confirm your acceptance.	
10.	All the terms and conditions in Buyer Added Bid Specific Additional Terms & Conditions of this tender are read, understood and agreed by the vendor without any deviation. Vendor to confirm.	
11.	Duly filled, signed and stamped copies of the annexures as indicated in clause 31 of Buyer Added Bid Specific Additional Terms & Conditions of the enquiry are to be provided in the letter head of the Supplier. Please fill the annexures with GeM enquiry number, Item description and your company name wherever required. Also please Tick the appropriate option wherever required.	
12.	There will not be any RA (Reverse Auction). Hence suppliers to quote their best price while submitting their offer itself.	

Vendor's Seal & Signature

CHECK LIST

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

A	Name and Address of the Supplier		
B	GSTN No. the Supplier (Place of Execution of Contract / Purchase Order)		
C	Details of Contact person for this Tender	Name: Mr./ Ms. Designation: Telephone No: Mobile No: Email ID:	
D	EMD DETAILS	Not applicable	
E	DESCRIPTION	APPLICABILITY (BY BHEL)	ENCLOSED BY BIDDER
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 Udyam certificate as specified in Tender (applicable in case of MSME supplier)	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
xxi.	Treatment of cases regarding conflict of interest as per Annexure – 20	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
(With Name, Designation and Company seal)**

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)**

Date:

Place:

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 and Company seal)**

Place:

Date:

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 Authorized
Signatory of the Bidder)**

Date:

NON-DISCLOSURE CERTIFICATE

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

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

Hence, I/We M/s who are submitting offer for providing Supply/services to BHEL, Trichy against GeM Bid No..... hereby undertake to comply with the following in line with Information Security Policy of BHEL, Trichy.

- 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, Trichy.

(Signature, date & seal of Authorized Signatory of the bidder)

Date:

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:

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 Proprietor/Partner(s)/ Director(s) employed in BHEL

Tick (✓) any one as applicable:

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

OR

2. The Proprietor, 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
Authorized 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 against the Bidder/Contractor.

**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. _____ |
| 3. _____ | 4. _____ |

Thanking you,
Yours faithfully,

**(Signature, Date & Seal of
Authorized 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.

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
Authorized 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.

TREATMENT OF CASES REGARDING CONFLICT OF INTEREST

The bidder notes that a conflict of interest would said to have occurred in the tender process and execution of the resultant contract, in case of any of the following situations:

- i) If its personnel have a close personal, financial, or business relationship with any personnel of BHEL who are directly or indirectly related to the procurement or execution process of the contract, which can affect the decision of BHEL directly or indirectly;
- ii) The bidder (or his allied firm) provided services for the need assessment/ procurement planning of the Tender process in which it is participating;
- iii) Procurement of goods directly from the manufacturers/ suppliers shall be preferred. However, if the OEM/Principal insists on engaging the services of an agent, such agent shall not be allowed to represent more than one manufacturer/ supplier in the same tender. Moreover, either the agent could bid on behalf of the manufacturer/ supplier or the manufacturer/ supplier could bid directly but not both. In case bids are received from both the manufacturer/ supplier and the agent, bid received from the agent shall be ignored. However, this shall not debar more than one Authorised distributor (with/ or without the OEM) from quoting equipment manufactured by an Original Equipment Manufacturer (OEM) in procurements under a Proprietary Article Certificate.
- iv) A bidder participates in more than one bid in this tender process. Participation in any capacity by a Bidder (including the participation of a Bidder as a partner/ JV member or sub-contractor in another bid or vice-versa) in more than one bid shall result in the disqualification of all bids in which he is a party. However, this does not limit the participation of an entity as a sub-contractor in more than one bid if he is not bidding independently in his own name or as a member of a JV.

The Bidder declares that they have read and understood the above aspects, and the bidder confirms that such conflict of interest does not exist and undertakes that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s), in this regard. 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, the same will be considered as a violation of the tender conditions, and suitable action shall be taken by BHEL as per extant policies/ guidelines.**

(Signature, Date & Seal of Authorized
Signatory of the Bidder)