



# BHARAT HEAVY ELECTRICALS LIMITED

( A Government of India Undertaking )  
HIGH PRESSURE BOILER PLANT  
PURCHASE DEPARTMENT - FOSSIL BOILERS  
THIRUCHIRAPALLI - 620014  
TAMILNADU (INDIA)

PHONE :2577331  
GRAMS : BHARATELEC  
FAX NO: 2520719  
E-mail: srchandran@bheltry.co.in  
Web:

	<b>Enquiry No</b> 2661500244 - 55	<b>Enquiry Date</b> 04.07.2015	<b>Due Date for Quotation</b> 21.07.2015
<p>Please quote Enquiry No, Date and due date in all correspondences. This is only a request for quotation and not an order.  <b>Bid should be submitted in two parts. 1.Techno-commercial bid (Part-I) and 2.Price bid(Part-II) in a separate sealed cover and both covers must be placed in a third cover and sealed. Our Enquiry No., Enq. date &amp; Enq. Due date must be written on all three covers.</b></p>			

Item	Description	Unit	Quantity	Delivery Quantity	Schedule Date
10	Inducutor set for Pipe OD 610x83 PB1200 INDUCTOR AND COOLING RING ASSEMBLY FOR PIPE OD 610 X THICKNESS RANGE 65-85 MM, FOR PB 1200R AS PER DRG. No: 2M-12A18-05297. THE ASSEMBLY INCLUDES: AIR RING: 2M-12A23-05269 (AS PER SL. No.05), QUENCH RING: 2M-12A23-05271(AS PER SL. No.05), INDUCTOR: 2M-12A18-05294 (AS PER SL. No.01), SUB DRG. NOS. 2M-12A18-04364 (Rev. 02), 3M-12A18-14417 (Rev. 04) (AS PER SL. NO. 14), 3M-12A23-14038 (Rev. 01), 4M-12A18-26664 (Rev. 01). ===== ===== ===== NOTE: ----- (01) Inductor should be made out of Electrolytic copper 99.9% extruded section only without any joints. Cooling rings should be made up of the material as mentioned in respective drawings. (02) Total quantity of raw material shall be offered for inspection by BHEL representative before manufacturing at vendor's works. Test certificate for material composition from govt. approved laboratory to be produced during inspection. One sample piece to be handed over to BHEL for testing the same at BHEL laboratory. (03) Vendor should provide QAP along with offer. (04) All the weld components/joints in inductor and cooling rings should be done by TIG welding for complete fusion to withstand the working temperature and vibration. (05) For all weld joints edge preparation to be carried out before	SET	1.000	1.00	15.09.15

The offers should reach us 30 minutes before the time of opening of tenders.  
The offers will be opened at 14.30 hrs on the due date of tender in the presence of  
tenderers who have submitted their offer and who may like to be present for the tender  
opening.Late and delayed offers are liable to be rejected.

**V. CHELLIAH**  
Sr Manager / Purchase  
MM / RM / CP & SP  
BHEL, TRICHY .620 014.

Yours faithfully,  
For **BHARAT HEAVY ELECTRICALS LIMITED**  
  
MANAGER / PURCHASE  
(FOSSIL BOILERS)  
Yours faithfully,



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THIRUCHIRAPALLI - 620014  
TAMILNADU (INDIA)

PHONE :2577331  
GRAMS : BHARATELEC  
FAX NO: 2520719  
E-mail: srchandran@bheltry.co.in  
Web:

2661500244 / 04.07.2015

23505

welding.  
(06) Post heating at 380 deg. C shall be carried out, to relieve the residual stresses developed during welding.  
(07) All weldments (100%) should be tested for liquid penetrant test.  
(08) Inductors and cooling rings should be ovality free, and permissible limit of ovality is +5 mm only on diameter.  
(09) Inductor size should be punched on copper flanges for easy identification (example: 610 X 65-85). Number size should be Min. 8mm.  
(10) Inductor assembly should be offered for inspection for dimensional check and leak testing at supplier's works before despatch. Leak test for inductor should be carried out with water at 10 bar pressure.  
(11) Vendor should give 12 months guarantee for satisfactory performance of the inductor assembly supplied by him/her from the date of successful performance prove out at BHEL's works i.e. PPPU Thirumayam.

=====

### VENDOR QUALIFYING CRITERIA

Only those vendors who satisfy the following conditions will get qualified to participate in the tender:  
(A) The vendor should have minimum three years experience in manufacturing of copper inductors. The vendor should submit earlier purchase order copies with details of contact person of customer for previous orders executed.  
(B) Performance certificate of the inductors by his/her customer/s must be provided along with the offer by the vendor.

### General Note:

GENERAL NOTE:PLEASE SUBMIT YOUR OFFER IN "TWO PART BID SYSTEM" AS PER THE ANNEXURES ENCLOSED.  
ENCLOSURES:ANNEXURE II,III,IV,V,VI,VII.

All the tenders may be addressed to the following address:

**The Tender Opening Cell / MM  
Room No: 26, Building 24, Ground Floor  
Bharat Heavy Electricals Limited  
TIRUCHIRAPALLI 620014**

The offers should reach us 30 minutes before the time of opening of tenders. The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening.Late and delayed offers are liable to be rejected.

Yours faithfully,  
For **BHARAT HEAVY ELECTRICALS LIMITED**

**MANAGER / PURCHASE  
(FOSSIL BOILERS)**  
Yours faithfully,

**V. CHELLIAH  
Sr Manager / Purchase  
MM / RM / CP & SP  
BHEL, TRICHY - 620014.**



# BHARAT HEAVY ELECTRICALS LIMITED

( A Government of India Undertaking )  
HIGH PRESSURE BOILER PLANT  
PURCHASE DEPARTMENT - FOSSIL BOILERS  
THIRUCHIRAPALLI - 620014  
TAMILNADU (INDIA)

Page  
3/3

PHONE :2577331  
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FAX NO: 2520719  
E-mail: srchandran@bheltry.co.in  
Web:

2661500244 / 04.07.2015

23505

In case personal delivery of the offer, it shall be dropped into the respective box kept in Room No: 26, after duly entering the data in the system.

Offers will be accepted only up to 14.00 Hrs on the due date. Therefore, vendors shall ensure to submit the offers well before this time. All due date extension requirements should be addressed to the respective Purchase mail IDs. All the due date extension requests from vendors will be considered only up to 48 hours before the due date and time.

Vendors are requested to avoid submission of offers through e mail / fax. In case of any unavoidable situation, offers shall be sent through e mail to the following mail ID only tender\_cell@bheltry.co.in.

As tenders are being opened by Common Tender Opening Cell, offer covers should be sealed with tenderer's distinctive seal and super scribed with correct Tender No. item of supply and due date of opening.

The offers will be opened at 14.30 hrs on the due date of the tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.


**Enclosures:**

"LD clause has to be confirmed without fail."

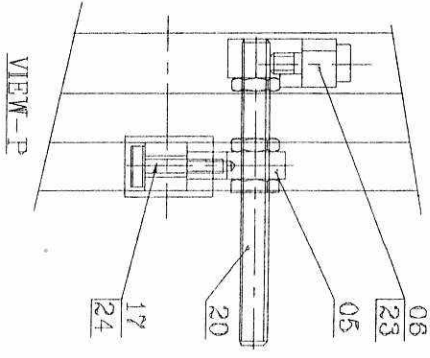
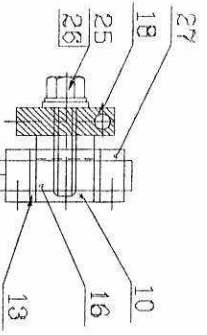
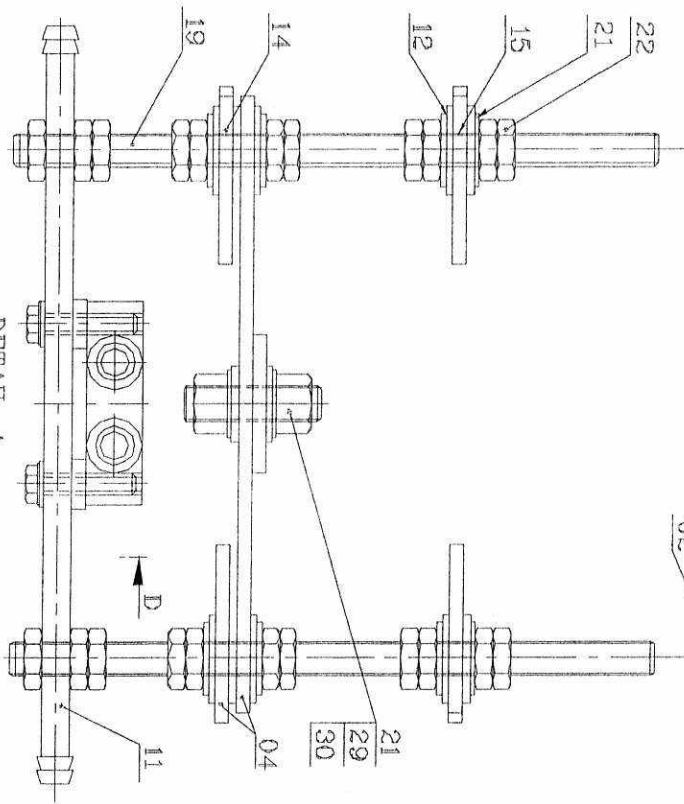
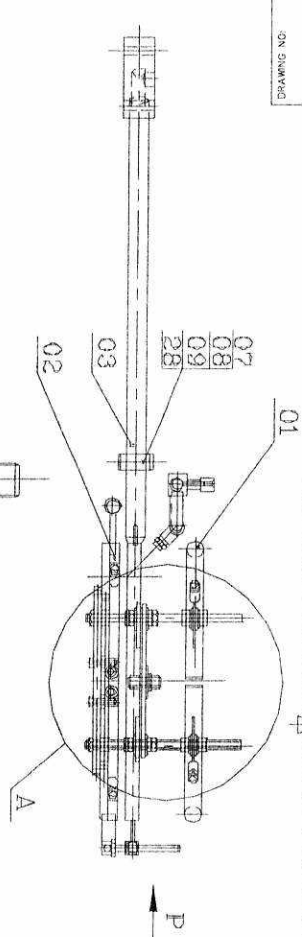
The offers should reach us 30 minutes before the time of opening of tenders.  
The offers will be opened at 14.30 hrs on the due date of tender in the presence of tenderers who have submitted their offer and who may like to be present for the tender opening. Late and delayed offers are liable to be rejected.

**V. CHELLIAH**  
Sr Manager / Purchase  
MM / RM / CP & SP  
BHEL, TRICHY - 620 014.

Yours faithfully,  
For **BHARAT HEAVY ELECTRICALS LIMITED**

  
MANAGER / PURCHASE  
(FOSSIL BOILERS)  
Yours faithfully,

16250-81-V21-V-2  
IGN SWARAJ  
DRAWING



SECTION-DD

VIEW-P

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

ITEM NO	DESCRIPTION	DRAWING NO	MATL SPEC	MATL CODE	UNIT	WT
01	AIR RING	2-M-12A23-05289			1	
02	QUENCH RING	2-M-12A23-05271			1	
03	INDUCTOR	2-M-12A18-05294			1	
04	STRIP - FL25X6X230	2-N-12A-04384	ANS 315		2	
05	BLOCK - FL25X6X230	2-N-12A-04384	QJ2H39P03		1	
06	BLOCK - SQ20X22L	2-N-12A-04384	QJ2H39P03		1	
07	STRIP - FL20X8X92L	2-N-12A-04384	ANS 315		1	
08	STRIP - PL20X8X92L	2-N-12A-04384	ANS 315		1	
09	CLAMP - FL20X93X40	2-N-12A-04384	HTLM		1	
10	PIVOT BLOCK - SQ20X78L	2-N-12A-04384	QJ2H39P03		2	
11	STRIP	4-N-12A-20684	QJ2H40P03 IS-3468		2	
12	WASHER - #20X6	ANS 310			4	
13	INSULATING RING	MCANITE			2	
14	INSULATING BUSH	MCANITE			4	
15	INSULATING BUSH	MCANITE			4	
16	INSULATING BUSH	SILUMANTE CERAMIC			1	
17	WASHER - #20X6	ANS 310			4	
18	WASHER - #20X6	ANS 310			4	
19	TREADED ROD - M12X238L	ANS 310			1	
20	TREADED ROD - M12X220L	ANS 310			1	
21	WASHER A13	ANS 316			16	
22	NUT M12	ANS 316			44	
23	SOCKET HEAD SCREW M8X2L	ANS 310			1	
24	SOCKET HEAD SCREW M8X4L	ANS 310			1	
25	HEX CAP SCREW M8X35L	ANS 310			4	
26	WASHER A6.4	ANS 316			4	
27	ADJUSTING RING AND	ANS 316			8	
28	CSK HEAD SCREW M6X40L	ANS 310			2	
29	HEX CAP SCREW M12X25L	ANS 310			1	
30	NUT M12	ANS 310			1	

**INCORPORAL PPE BONGER / 88 1200 R**

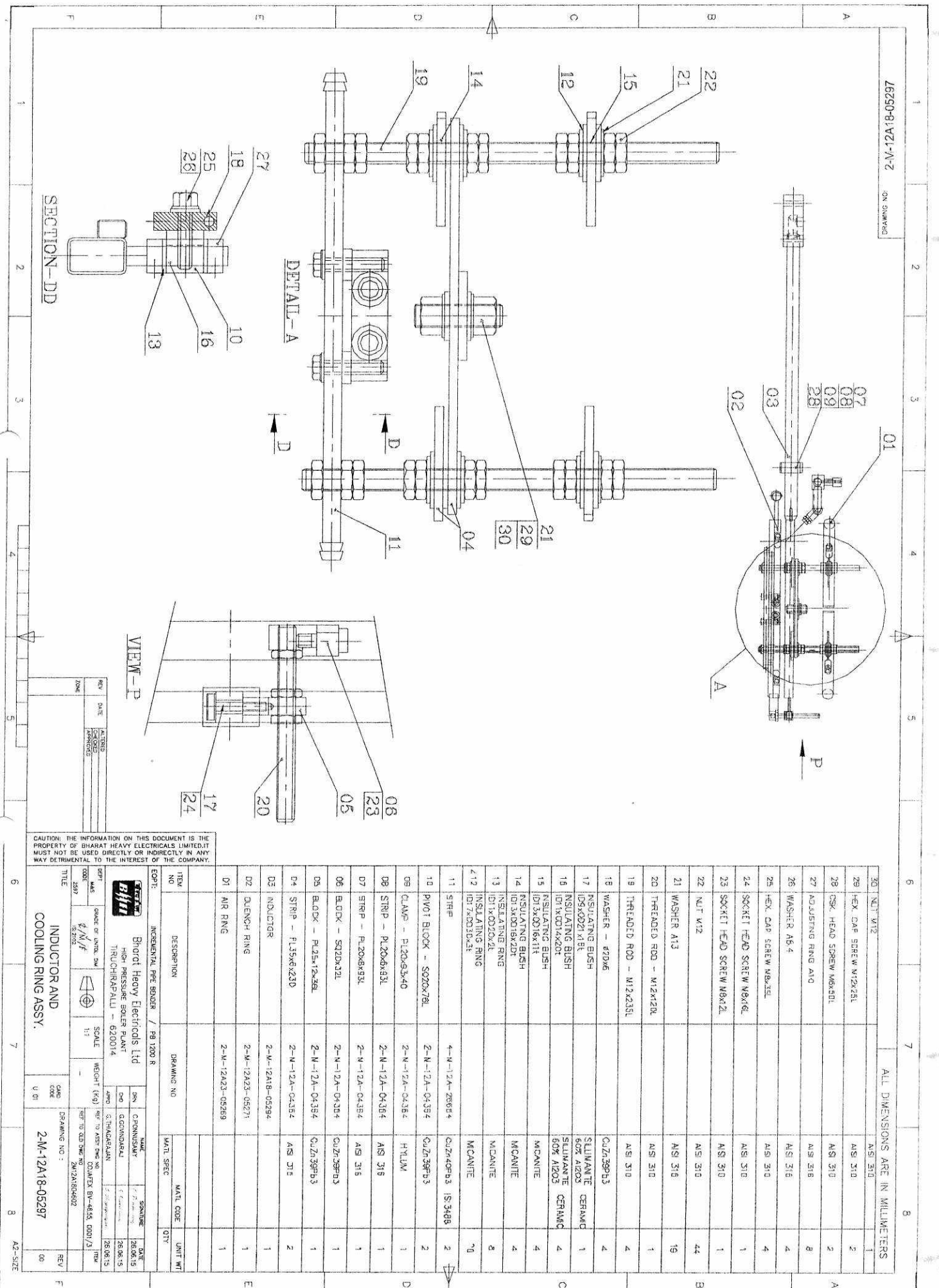
**Bharat Heavy Electricals Ltd**  
HIGH PRESSURE SOLER PLANT  
THIRUCHIRAPPALLI - 620014

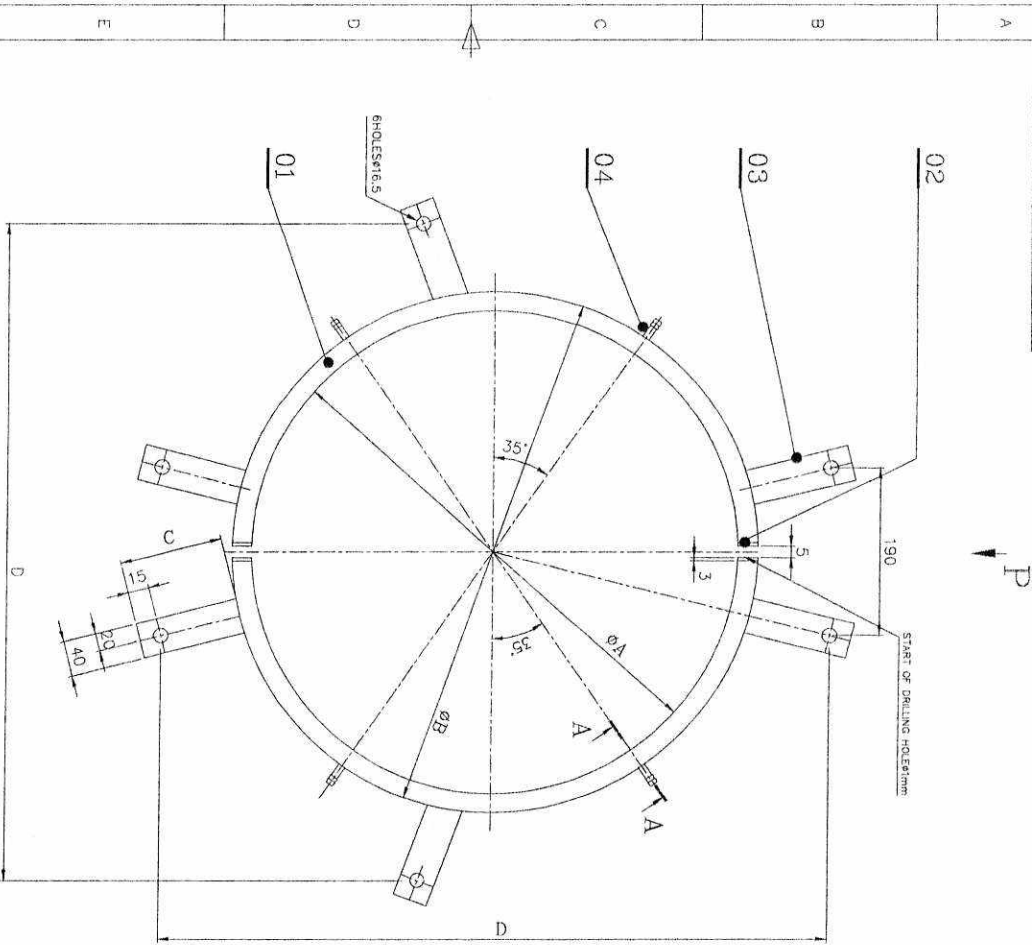
DATE: 25/07/14  
SCALE: 1:1  
WEIGHT (KG):

DRAWING NO: 2-M-12A18-05297

REV: 00

ALL DIMENSIONS ARE IN MILLIMETERS

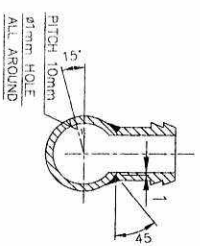




VIEW - 'P'



SECTION - AA



S.L. NO.	PIPE Ø	ØA	ØB	C	D
01	508	610	654	99	800
02	526	630	674	95	809
03	543	650	694	94	850
04	559	670	714	94	850
05	610	720	764	92	900
06	660	770	814	92	950
07	670	780	824	90	950
08	720	830	840	88	1000

NOTE:

- 01. ALL JOINTS BY TIG WELDING.
- 02. QUALITY 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

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

REV	DATE	BY	CHKD	DESCRIPTION
01	20/07/15	...	...	...
00	20/07/15	...	...	...

ITEM NO.	DESCRIPTION	DRAWING NO.	MATL. SPEC.	UNIT	QTY.
01	RING TUBE Ø22x1.5x L		IS: 410	1	-
02	PLATE 2x22		IS: 410	4	-
03	PLATE 8x40x C		IS: 410	6	-
04	HOSE CONNECTION FOR HOSE ØØ13		IS: 6912	4	-

DESIGNER	DATE	CHECKED	DATE
...	20/07/15	...	20/07/15

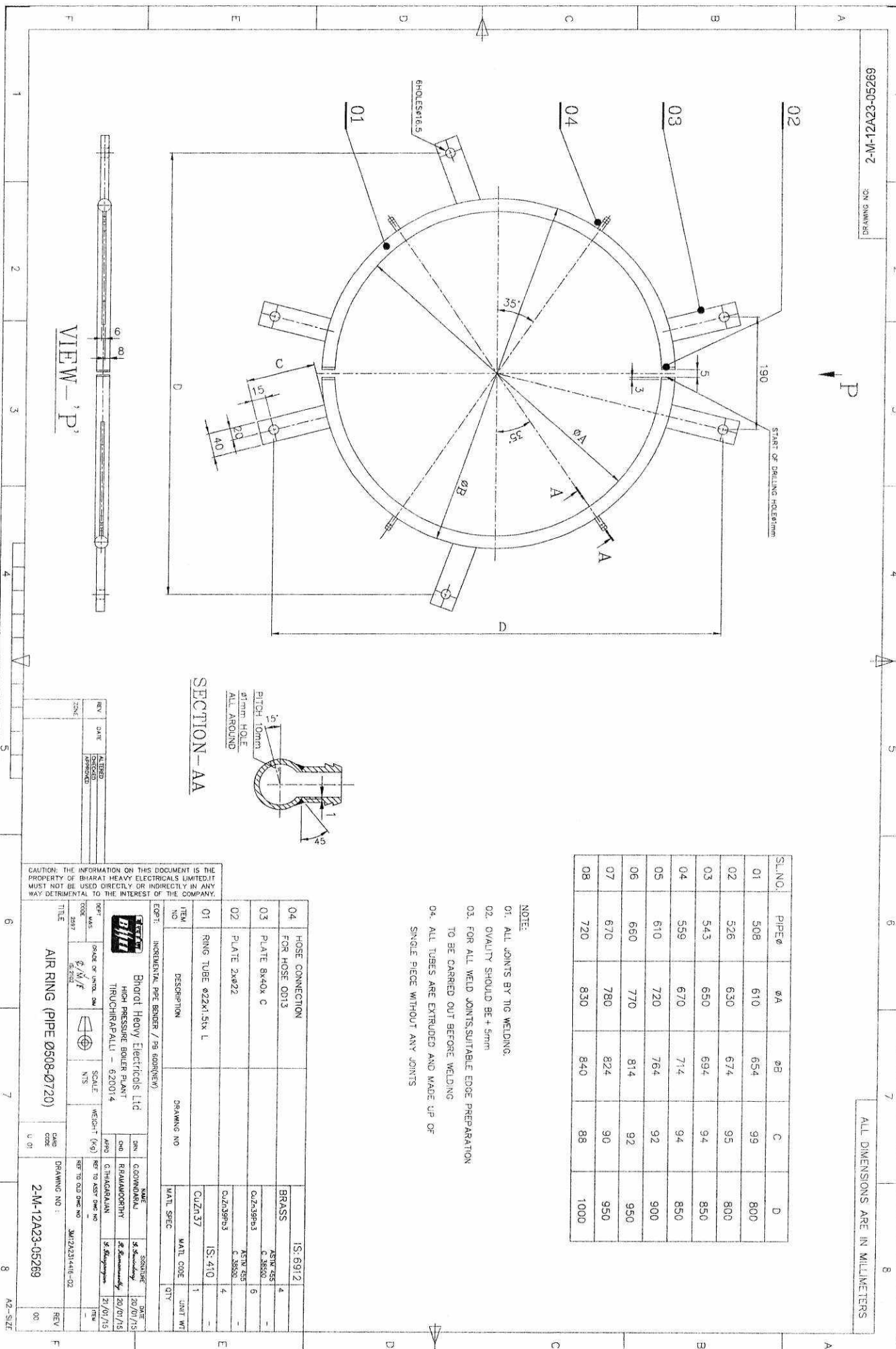
PROJECT	DESCRIPTION
...	...

SCALE	WEIGHT (KG)
...	...

DRAWING NO.	REV.
2-M-12A23-05266	00



L1223-0521-2-V-12A-12B-0521-2  
DRAWING NO.

2-V-12A-12B-0521-2

2

3

4

5

6

7

8

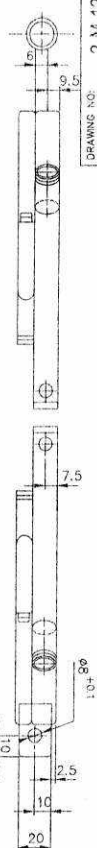
AZ-SIZE

REV

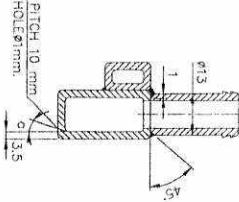
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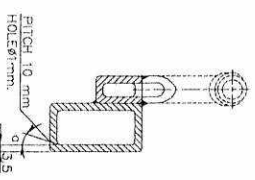
VIEW-P



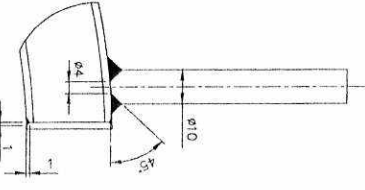
SECTION-AA



SECTION-BB



DETAIL-D



SL. No.	PIPE	$\phi A$	$\phi B$	$\phi C$	$\phi D$	$\phi E$
08	$\phi 720$	830	860	890	42	62
07	$\phi 670$	780	810	840	44	62
06	$\phi 660$	770	800	830	44	62
05	$\phi 610$	720	750	780	46	63
04	$\phi 559$	670	700	730	47	63
03	$\phi 543$	643	673	703	47	63
02	$\phi 526$	626	656	686	48	61
01	$\phi 508$	608	638	668	48	61

NOTE:  
01. ALL JOINTS BY TIG WELDING.  
02. QUALITY SHOULD BE +5  
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

REV	DATE	ALTERED	ZONE

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ITEM NO.	DESCRIPTION	DRAWING NO.	MATL. SPEC.	MATL. CODE	QTY
10	PL. 21x15x10		IS-410		4
09	FLAT BAR 20x12x2		ASTM A36		1
08	TUBE $\phi 25 \times 2 \times 30$ L		IS-410		1
07	FLAT BAR 30x6 b=28		IS-410		1
06	HOSE CONNECTION FOR HOSE 13 ID		BRASS		4
05	HOSE CONNECTION FOR HOSE 10 ID		BRASS		4
04	PL. 21x15x30		IS-410		4
03	ROD $\phi 10 \times 60$ L		ASTM A36		4
02	REC. TUBE 15x10x2XL		ASTM A36		4
01	REC. TUBE 30x15x2XL		ASTM A36		1

QUENCH RING ( $\phi 508-\phi 720$ )

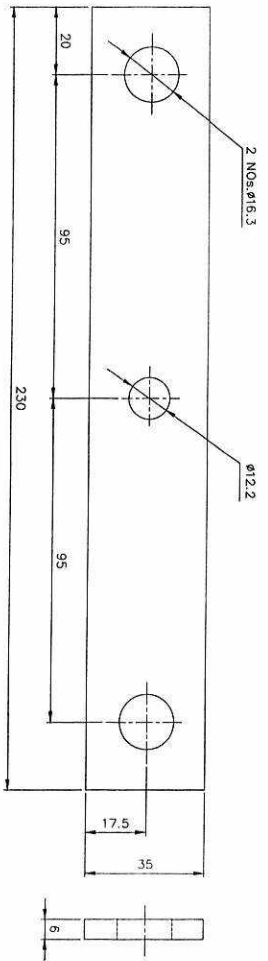
BRHAT Heavy Electricals Ltd  
HIGH PRESSURE BOILER PLANT  
THIRUCHARPAALI - 620014

DATE: 20/07/15  
BY: R. RAMAMOORTHY  
CHECKED: S. Srinivasan  
DATE: 20/07/15

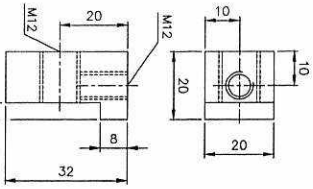


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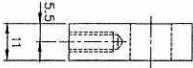
ALL DIMENSIONS ARE IN MM



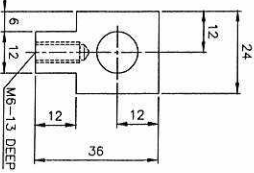
ITEM-04 REF:-48.55.0351/4



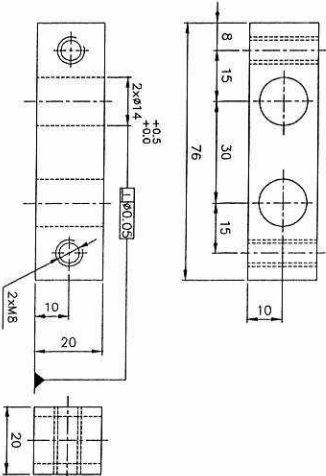
ITEM-06 REF:-48.55.0353/4



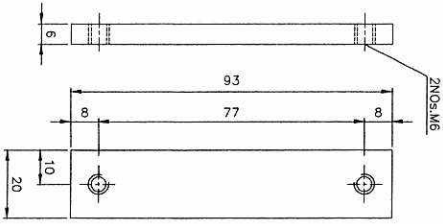
ITEM-05 REF:-48.55.0354/4



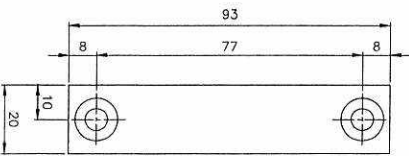
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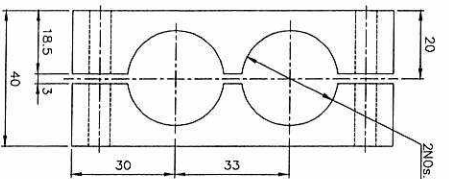
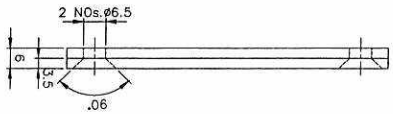
ITEM-10 REF:-48.55.0360/4



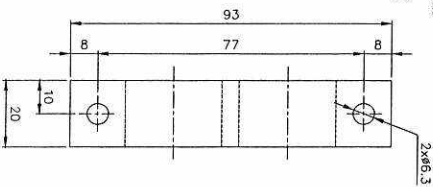
ITEM-07 REF:-48.55.0358/4



ITEM-08 REF:-48.55.0357/4



ITEM-09 REF:-48.55.0207/4



NOTE:-  
CHAMFER SHARP CORNERS TO 1/45°

ITEM NO.	DESCRIPTION	MATERIAL	STANDARD	NET WT IN KGS	REVISION	DATE	BY	CHKD	APP'D
10	PIVOT BLOCK SQ.20X76	Cu, Zn, 39Pb, 3	ASTM A55 C 38500						
09	CLAMP 20x40x93	HPLUM							
08	STRIP 6x20x93		AISI 316						
07	STRIP 6x20x93		AISI 316						
06	BLOCK SQ.20X32	Cu, Zn, 39Pb, 3	ASTM A55 C 38500						
05	BLOCK 11x24x36	Cu, Zn, 39Pb, 3	ASTM A55 C 38500						
04	STRIP 6x35x230		AISI 316						

NO.	DATE	BY	CHKD	APP'D
15.03.12	OSJ			
31.01.15	OSR			

SCALE	DRAWN	F. A. ROSS	DRG. MODIFIED TO DATE
1:1	REKAMANOORTHY		

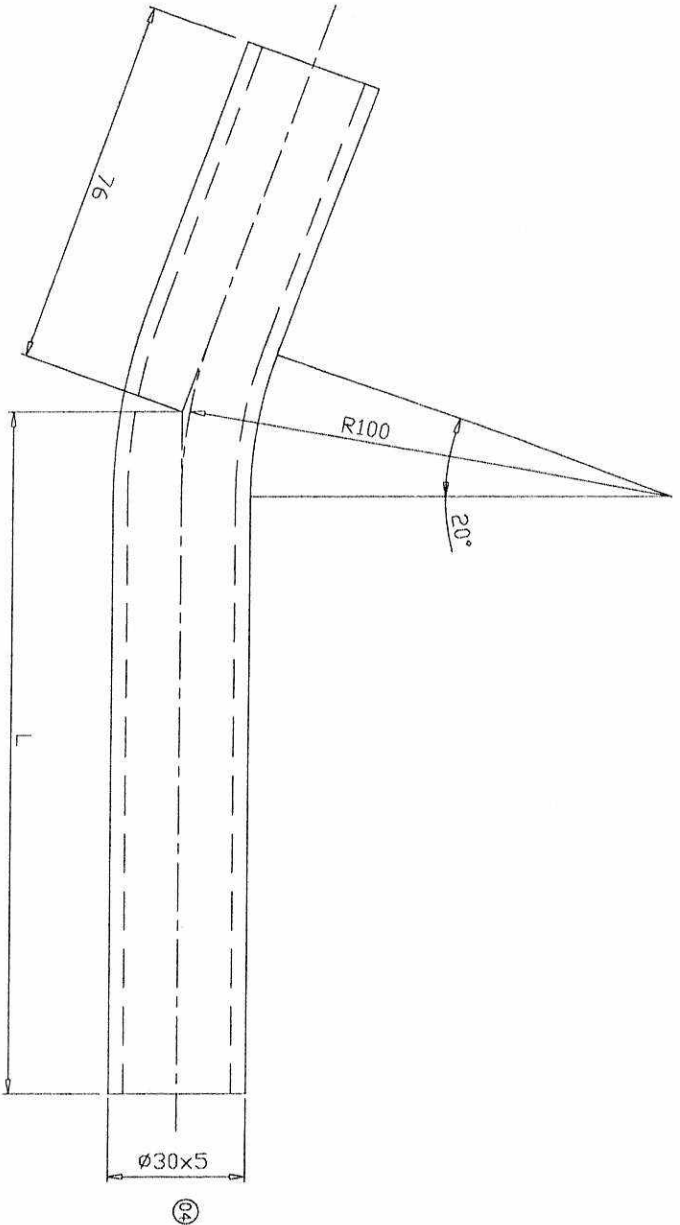
  

DATE	BY	CHKD	APP'D
03-08-2007/28-12-10			

TITLE	TYPE	REV.
STRIPS & BLOCKS	PB 1400HC, PB 1200R, PB 600R	

ALL DIMENSIONS ARE IN MM



NOTE:  
ALL TUBES ARE EXTRUDED AND MADE UP OF  
SINGLE PIECE WITHOUT ANY JOINTS

24	(85-100)	646	497	12	(45-65)	969	343
23	(65-85)	524	568	11	(45-65)	914	370
22	(65-85)	480	580	10	(45-65)	864	397
21	(25-45)	965	343	09	(25-45)	813	418
20	(25-45)	914	368	08	(06-25)	762	360
19	(25-45)	864	393	07	(45-65)	720	470
18	(45-65)	813	424	06	(45-65)	660	500
17	(25-45)	711	470	05	(45-65)	564	551
16	(06-25)	711	470	04	(25-45)	558	549
15	(06-25)	660	500	03	(65-85)	508	568
14	(25-45)	610	520	02	(45-65)	457	607
13	(06-25)	610	520	01	(25-45)	323	669

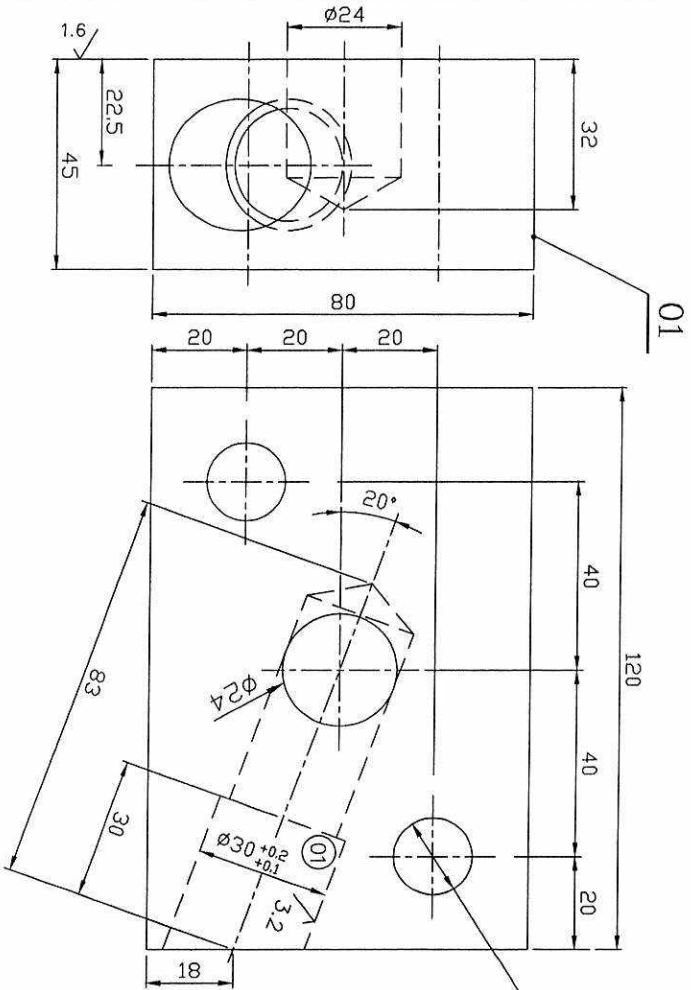
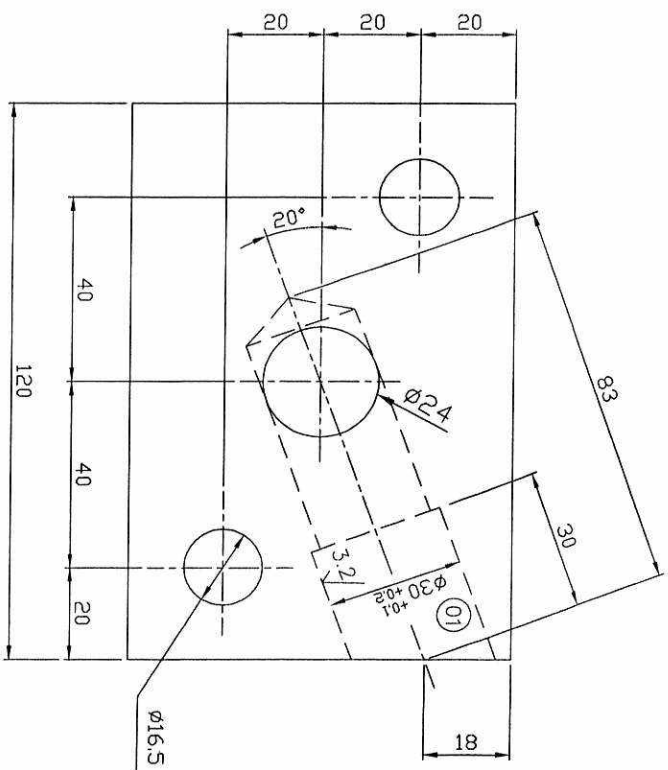
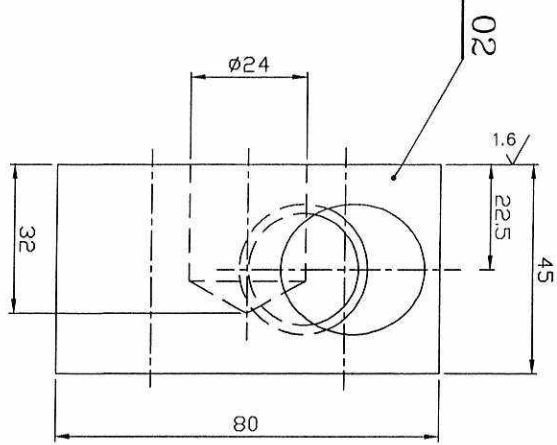
TUBE Ø30x5xL		Sf. Cu		ASTM B75 C 12200		03	
DESCRIPTION	MATERIAL	STANDARD	NET WT IN KGS.	DRAWING No.	DATE	SIGN.	INDEX
REFERENCE	ALTERATIONS	DCN REF	DATE	SIGN.	INDEX		
SCALE	DRAWN	(T/B)	TABULATION ADDED				
CHECKED	R.RAMAMOORTHY	SL.No. 08	ADDED (762)	20.06.11			
APPROVED	C.S.JAYASHEELAN	SL.No. 13	TO 24 ADDED	18.06.13			
DATE	30.12.2009	DIM. Ø30x5	WAS Ø28x3.5	31.01.15			
MACHINE: INCREMENTAL BENDER		TYPE	PB 1200R				

BEND TUBE

TITLE	DRAWING No.	REV.
BEND TUBE	3M12A181441704	
Sheet No.		
Neof 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°

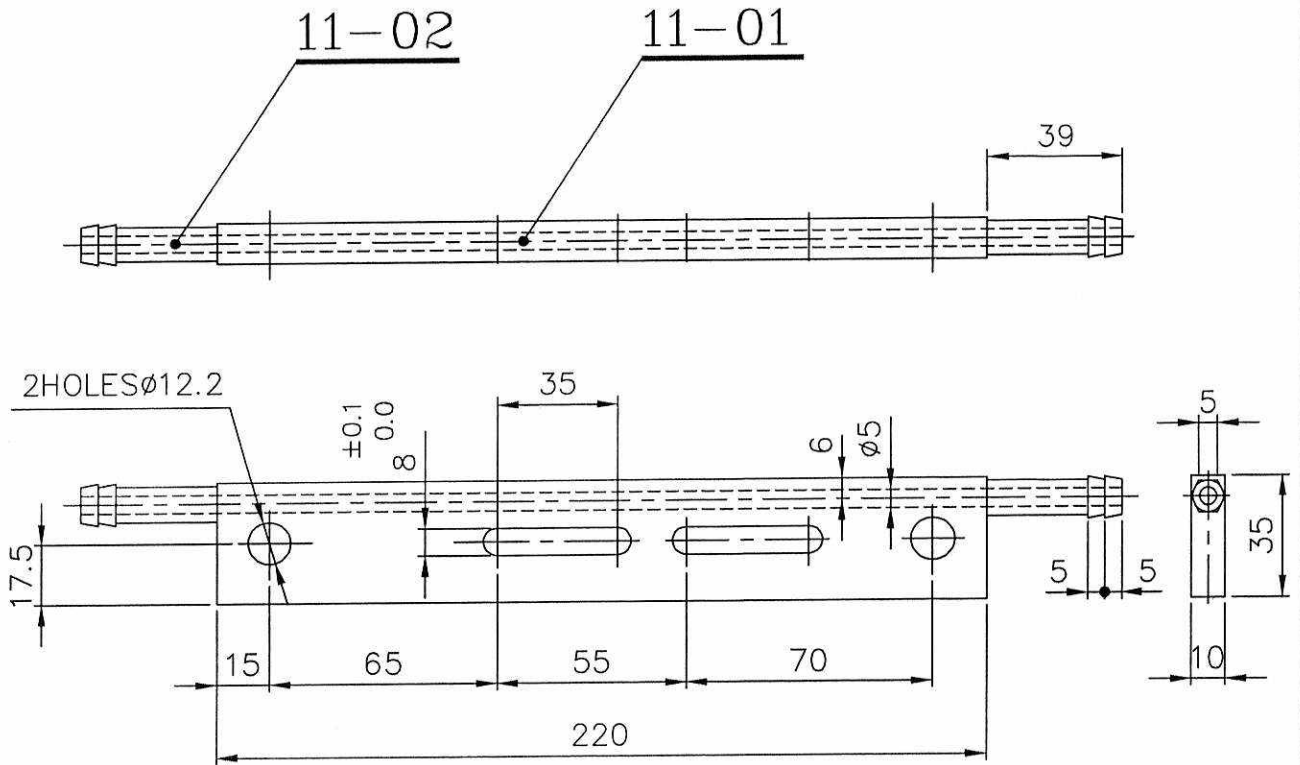
Sl. No.	DESCRIPTION	MATERIAL	STANDARD	NET WT IN KGS.	DRAWING No.	ITEM No.
01	FLANGE 45x80x120	El.Cu	IS: 191	3.0		02
01	FLANGE 45x80x120	El.Cu	IS: 191	3.0		01

SCALE	DRAWN	(TR)	CHECKED	R.RAMAMOORTHY
NTS	APPROVED	C.S.JAYASHELAN	DATE	30.12.2009
MACHINE: INCREMENTAL BENDER				
TITLE: FLANGE				
DRAWING No.		PB 600R(NEW)		
3M12A231403801				
Sheet No.		No. of Sheets		
REV.				

CAUTION: 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

ALL DIMENSIONS ARE IN MM



NOTE: -

- REMOVE ALL SHARP CORNERS
- TO BE SOLDERED WITH SILFOS

02	∅12x39	CuZn39Pb3	ASTM 455 C 38500			02
01	10x35x220	CuZn39Pb3	ASTM 455 C 38500			01
X					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/TCD	S.selvamanickam	MATERIAL CHANGED		17.02.10	CSJ
1:2	CHECKED	R.RAMAMOORTHY				
	APPROVED	C.S.JAYASHEELAN				
	DATE	24.10.2000/17.02.10				
	MACHINE:	INCREMENTAL PIPE BENDER		TYPE:	PB 1200R	
	TITLE:	STRIP		DRAWING No:	4M12A1826664	
				Sheet No:		No. of Sheets:
						REV. 01

**CAPITAL PURCHASE**  
**COMMERCIAL TERMS AND CONDITIONS**

**1.0 QUOTATIONS**

The Bidders shall submit the offer in **TWO INNER ENVELOPES** as indicated below which shall be sealed in one outer envelope.

**Envelope I** This sealed envelope should contain all the copies of technical bid together with un-priced commercial bid & annexure III. This envelope should be clearly marked **'Part I - Technical and commercial bid'**,

Indicating Enquiry No., Due Date and Address & Reference of the Bidder.

**Envelope II** This sealed envelope should contain **price as per Annexure-IV format**. This envelope should be clearly marked **"Part II - Price bid"**, indicating **Enquiry No., Due Date and Address & Reference of the Bidder**.

Both the envelopes (Part I & II) shall be put in one cover (**Envelope III**), duly sealed, superscribing as Part I and Part II of Enquiry No., due date of opening and the address and reference of the Bidder

The above offer should reach this office on or before the due date by 14.00 hours (IST). Late offers will not be considered.

Tender should not be addressed to any individual's name

**The Tender Opening Cell/MM**  
**Room No-26 , Building – 24 , Ground Floor**  
**Bharat Heavy Electrical Limited**  
**Tiruchirapalli- 620014**

Tenders should be free from **CORRECTION AND ERASURES**, Corrections if any, must be attested. All Amounts shall be indicated both in words as well as in figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.  
Offers should be in **ENGLISH** and accompanied by detailed technical literature, catalogue and detailed dimensional drawings in **ENGLISH** or otherwise, the offers will not be considered.

**2.0 OPENING OF TENDERS**

The Part I - Technical & commercial bid alone would be opened on the Tender opening date.

The Part II - Price bid of technically suitable Bidders alone would be opened. The Technically Suitable Bidders would be informed about the tender opening date through e-mail.

Clarifications if any required by BHEL for Technical evaluation **would be** sought from Bidders before opening of Part II - price bid

**For any queries clarifications the bidders may contact us through our FAX NO. +91 431 2520719 or through e-mail <arunachal@bheltry.co.in >&< chells@bheltry.co.in>**

**MM: CP & SP**  
**Annexure For Techno Commercial Bid**

Check List - to be filled and submitted along with Technical Bid

BHEL Commercial Terms and Conditions for Indigenous Supplies	Vendor's Confirmation / Comments
Technical confirmation to BHEL's Specification as called for in BHEL Format shall be furnished. If needed additional sheets shall be used.	
Prices shall be <b>quoted item wise</b> only as per the model format enclosed	
Prices shall be quoted on " <b>FIRM PRICE</b> " basis only The prices should be only on <b>F.O.R / Despatching station</b> basis with <b>Packing &amp; Forwarding</b> charges if any. <b>Applicable % of ED &amp; Sales Tax, Freight &amp; Insurance, Installation &amp; Commissioning Charges should be clearly Indicated</b>	
<b>Validity of offer</b> shall be for a minimum period of 120 days from the date of Tender opening	
Delivery period from the date of Letter of Intent / Purchase order shall be clearly mentioned in the offer	
<b>Liquidated damages @ '0.5%</b> per week subject to a maximum of 10% of the order value shall be applicable for delay in deliveries <b>For Details Refer Annexure- v</b>	
<b>Following Risk Purchase clause</b> shall be applicable The purchaser at his option will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the seller either the whole of the goods or any part which the supplier has failed to deliver or dispatch within the time stipulated or if the same were not available, the best and the nearest available substitute therefore The supplier shall be liable for any loss which the Purchaser may sustain by reason of such risk purchases	
<b>Payment term for supply portion:</b> Payment term is 100% direct payment after 45 days from the date of receipt and acceptance of materials <b>For details Refer Annexure- v</b>	
Erection / commissioning: (if applicable only) Erection / commissioning charges if any has been mentioned in the offer or else confirmation that Erection /commissioning shall be done at free of cost is available in the offer,	
The equipment shall be <b>guaranteed</b> for a period of 12 months from the date of commissioning	
Final inspection and acceptance of equipment will be after installation at BHEL, Trichy	
The vendor shall provide necessary drawings, Test Certificates and Operating Maintenance Manuals etc., as called for in the Technical Specification, in the required number of copies at no extra cost	
Any warranty replacement during warranty period shall be supplied free of charge on FOR BHEL, Trichy basis.	
Offers should be submitted only in <b>sealed cover super-scribing clearly the Enquiry reference and due date.</b>	
% of Excise Duty with cess	
% of TAX (CST/VAT):(INGST with FORM-17 or CST with C-FORM)	
Packing & Forwarding Charges ( if any in % only)	
Percentage of Freight& transit insurance charges, if any Freight charges from Dispatching station to BHEL , Tirumayam • Supplier should quote for F.O.R-BHEL , Tirumayam Stores.	
As per Commercial terms and conditions, acceptance for participation in Reverse auction (RA).Yes/No to be indicated	
Name of the person for participating reverse auction	
Land Line Number	
Fax Number	
Mobile Number	
E-mail ID	

NOTE:-

- a) It is confirmed that all the terms and conditions stipulated In the Enquiry have been fully understood by us and all clarifications & details have been obtained.
- b) Your offer should be indicating applicable If any P&F Charges, % of ED, Sales Tax -CST or VAT, Service Tax), Freight, Insurance and Installation and Commissioning Charges etc., as per our Price Format
- c) Your specific acceptance to our Payment terms, LD & Risk Purchase Clause are essential for consideration of your offer. Other wise your offer is liable for rejection.
- d) No row shall be left blank. Please indicate NA, in case the item is "not applicable"



<b>Payment Term (Indigenous)</b>	
<b>If materials are receivable at Stores/Tirumayam without PBG</b>	Payment term is 100% direct payment after 45 days from the date of receipt and acceptance of materials.
<b>If materials are receivable at Stores/Tirumayam with PBG</b>	Payment term is 100% direct payment after 45 days from the date of receipt and acceptance of materials and against 10% PBG valid for the warranty period.
Any deviation in the above payment term will attract loading as mentioned below. “Base rate of SBI (as applicable on the date of bid opening. Techno-commercial bid opening in case of two part bids) + 6% shall be considered for loading for the period of relaxation sought by bidders.	

Payment through Bank is not preferred. In case of Payment through Bank is opted by Supplier, BHEL prefers documents submission through bank with copy of LR and door delivery of Goods to Site/Stores with Consignee copy attached. In this case Loading will be 3% on the offered value.

Offers of indigenous Suppliers with payment terms as LC/Advance Payment are liable for rejection.

#### **Liquidated Damages / Penalty -**

The delivery of the goods specified in the purchase order should be made within the time prescribed. LD for delay in 'Supply' and/or 'E&C' will be applicable to the delays attributed to vendor. LD will be considered separately for 'Delivery' and 'E&C'. Where the seller supplies or dispatches the goods, beyond the delivery period Liquidated damages shall be applicable 0.5% of the total order value per week or part thereof subject to a maximum of 10% of the total order value.

**Material Despatched after Due date:** Once the delivery due date is crossed, bills have to be clubbed till final despatch and forwarded for processing of payment as a single bunch. LD percentage will be calculated from Delivery due date to final despatch date.

The rate of LD for delayed E&C shall be @ 0.5% per week of delay of total PO value (Supply + E&C) in E&C subject to a maximum of 10% of total PO value (Supply + E&C).

For staggered delivery schedule, LD shall be 0.5% of the undelivered portion per week of the delay or part thereof subject to a maximum of 10% of the total order value.

Any deviation from the above LD clause, loading will be applied to the extent to which it is not agreed by the bidder (at offered value).

For the purpose of Imposing LD, the FOB delivery (B/L date) shall be considered.

#### **Guarantee / Warranty Period – (if applicable)**

Normally No deviation permitted and the deviated offers are liable for rejection.

#### **Ranking-**

BHEL will consider the ranking after the loading is applied as referred above wherever deviations are observed.

#### **Performance Bank Guarantee – (if applicable)**

Normally No deviation permitted and the deviated offers are liable for rejection.

#### **NOTE:-**

1. If the due date of tender opening happens to be a holiday, the tenders will be opened on the next working day.
2. BHEL reserves the right to go for a reverse auction (RA) instead of opening the submitted sealed bid which will be decided after technical evaluation. Information and general terms and conditions covering RA are given in commercial terms and conditions.
3. Corrigendum if any, with respect to this tender will be hosted only in the website <http://www.bhel.com> or <http://tenders.gov.in>. You are requested to visit the website regularly for updates.

**Special Provisions for Micro and Small Enterprises (MSE)**

1. 20% of the tendered quantity is earmarked for MSE suppliers in this tender.
2. Out of the 20% tendered quantity reserved for MSE suppliers, 4% shall be earmarked for procurement from MSE owned by SC/ST entrepreneurs.
3. In case MSE vendor participating in the tender quotes within the price band of L1+15%, they will be allowed to supply the portion of the requirement subject to acceptance of L1 price by MSE vendor. In case of more than one such MSE, the supply shall be shared proportionately.
4. "MSE suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (five years from the date of issue of acknowledgement in EM-II) or valid NSIC certificate or EM II certificate along with attested copy of a CA certificate (Format enclosed at Annexure -VII where deemed validity of EM II certificate of five Years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of bid opening (Part 1 in case of two part bid). Non submission of such documents will lead to consideration of their bid at par with other bidders. No benefit shall be applicable for this enquiry if any deficiency in the above required documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal. Documents should be notarized or attested by a Gazetted officer."

**Certificate by Chartered Accountant on letter head**

This is to Certify that M/S .....  
(hereinafter referred to as 'company') having its registered office at  
..... is registered under MSMED Act 2006, (Entrepreneur  
Memorandum No (Part-II) ..... dtd:.....,  
Category: ..... (Micro/Small). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as on  
date..... as per MSMED Act 2006 is as follows:

1. **For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost  
excluding land and building and the items specified by the Ministry of Small Scale Industries vide its  
notification No.S.O.1722(E) dated October 5, 2006 :  
Rs.....Lacs
2. **For Service Enterprises:** Investment in equipment (original cost excluding land and building and  
furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED  
Act, 2006:  
Rs.....Lacs

The above investment of Rs.....Lacs is within permissible limit of  
Rs.....Lacs for .....Micro / Small (~~Strike off which is not applicable~~)  
Category under MSMED Act 2006.

Date:

(Signature)

Name -

Membership number -

Seal of Chartered Accountant