



Bharat Heavy Electricals Limited
(Seamless steel Tube Plant)
Tiruchirappalli – 620014, TAMIL NADU, INDIA

TITLE: SUPPLY OF "Refractory Bricks as per Drg. 34 Items"	Phone: +91 431 257 8439 Email : pcsn@bheltry.co.in Web : www.bhel.com
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Enquiry Number: 9440972E	Date: 13.10.2014	Due date for submission of application: 07.11.2014
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BHEL/SSTP, Trichy is looking for offers to supply "Refractory Bricks as per Drg. 34 Items"

PI refer the NIT Notification/Enquiry number for any further communication/correspondence .

Important Note to New Vendors (VIEWERS THROUGH BHEL WEB SITE)

The new vendors will be required to furnish the following documentary proof/ information (whichever applicable) along with their offers:

1. Certificate of registration (copy of certificate to be submitted).
2. Banker's information (copy of bank pass book first page to be submitted).
3. MSME vendor certificate (if applicable).
4. Address of your organization (complete postal address with PINCODE).
5. Contact person's Phone No. /Mobile No. / FAX No. /E-mail ID.
6. Statutory documents – VAT/TIN/EXCISE REGISTRATION/CST REGN /SERVICE TAX REGISTRATION etc. (copy to be furnished)
7. NSIC/SSI Certificate (if applicable)
8. ISO Certificate (if applicable)
9. Experience certificate as proof of supply of similar items to any Govt. agencies / PSU / Organisations (copy of PO's to be furnished).
10. Audit Report/ IT Return (if applicable)
11. Agency agreement with manufacturer (if applicable)
12. Partnership Deed (if applicable).

If the new vendors failed to submit the above documentary proof/information, their offer will not be considered for this enquiry.

Purchase Officer / SSTP
Phone: 0431-257 8439
Mail: pcsn@bheltry.co.in



BHARAT HEAVY ELECTRICALS LIMITED
(A GOVERNMENT OF INDIA UNDERTAKING)
SEAMLESS STEEL TUBE PLANT
TIRUCHIRAPALLI - 620 014.
TAMILNADU (INDIA)

PHONE : 0431-2578480/8491
: 0431-2578406/8419
: 0431-2578568
FAX : 0431-2576828

TIN : 33243560005
CST. No. : 239383
Dated : 11.06.1991

Corp. Identity No:
L71899DL1964GOI004281

PURCHASE ENQ

VENDOR CODE

22250

ENQUIRY NUMBER

9440972E

ENQUIRY DATE

13/10/2014

ENQUIRY DUE DATE

07/11/2014

No. OF IT

34

Office Copy

IMPORTANT POINTS :

1. Tender Closing Time : 14.00 Hrs.
2. Tender Opening Time : 15.00 Hrs.
3. Tender should be submitted in a sealed cover, duly indicating enquiry No. date & Enquiry Due Date on the cover.
4. Offer(s) received through Courier Services after 14.00 Hrs. on Enquiry Due Date will not be considered.
5. Late Tender(s) is/are liable for rejection.
6. Offer(s) shall be valid for 60 days from Enquiry Due Date.
7. Offer(s) in Vendor's Letter head shall contain.
 - a. Offer No. and Date
 - b. Delivery Period
 - c. Delivery Terms
 - d. Payment Terms
 - e. Excise Duty with Tariff Heading Sales Tax (against form-XVII/Form-C).
 - f. Excise Regn. No. and SSI Regn. No.

Kindly arrange to submit your COMPETITIVE OFFER for the following item(s)
If you are not in a position to submit your Offer, kindly arrange to send your REGRET LETTER.

THIS IS ONLY A REQUEST FOR OFFER AND NOT AN ORDER

Sl.No.	BHEL Material Code and Description	Unit	Requirement	
			Quantity	Delivery
	Al203 : 80 % Min Fe203 : 1.5 - 2.0 %			
27	BHEL Material Code : SP5360080574 HEARTH TOP FLAT BRICK FB-18 DRAWING No. : 3-7-1101-01-10008 MATERIAL Al203 : 80 % Min Fe203 : 1.5 - 2.0 %	Nos.	01 15.000	01/12
28	BHEL Material Code : SP5360080582 HEARTH TOP FLAT BRICK FB-19 DRAWING No. : 3-7-1101-01-10008 MATERIAL Al203 : 80 % Min Fe203 : 1.5 - 2.0 %	Nos.	01 15.000	01/12
29	BHEL Material Code : SP5360080590 HEARTH TOP FLAT BRICK FB-20 DRAWING No. : 3-7-1101-01-10008 MATERIAL Al203 : 80 % Min	Nos.	01 15.000	01/12

IMPORTANT NOTE :

1. Delivery Terms : "Free Delivery at BHEL-SSTP STORES" is preferable.
2. Payment Terms : 100% payment after 45 days after receipt and acceptance of materials by BHEL.
3. Terms and Conditions of Tender : Please see reverse.
4. The Technical Requirements/Specification Details/Quality Requirements/Commercial Terms & Conditions are clearly furnished in the Tender. If Deviation(s) is/are not explicitly brought out in the Offer, it will be construed that the Tenderer is complying with the requirement of BHEL in full without any deviation(s).

For and on behalf of
BHARAT HEAVY ELECTRICALS LTD.

Sreejey
PURCHASE EXECUTIVE



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Sl.No.	BHEL Material Code and Description	Unit	Requirement	
			Quantity	Delivery
	Fe203 : 1.5 - 2.0 %			
30	BHEL Material Code : SP5360080604 HEARTH TOP FLAT BRICK FB-21 DRAWING No. : 3-7-1101-01-10008 MATERIAL Al203 : 80 % Min Fe203 : 1.5 - 2.0 %	Nos.	01 15.000	01/12
31	BHEL Material Code : SP5360080248 HEARTH MIDDLE OUTER CIRCLE BLOCK DRG NO :4-7-1101-01-06280/00 MATERIAL :80% AL2O3 Specification: AL2 O3 %MIN : 80 +or- 1.5 PCE SK MIN : 36 RUL ta deg C MIN : 1630 PLC %MAX :+or-0.5 @ 1600 deg C For 1 hour AP %MAX :16 for M/C 19 for HM CCS Kgs/ cm sq MIN :800 FOR M/C 500 FOR HM BD qm/cc MIN :2.8 FOR M/C 2.7 FOR HM SPALLING CYCLES-MIN :+ 30 air quenching at 1600 deg C For 1 hour Size tolerance whichever is greater: + or -1% or +/- 2mm	Nos.	01 100.000	01/12

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For and on behalf of
BHARAT HEAVY ELECTRICALS LTD.

[Signature]
PURCHASE EXECUTIVE



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Sl.No.	BHEL Material Code and Description	Unit	Requirement	
			Quantity	Delivery
	RUL ta deg C MIN : 1630 PLC %MAX : +/-0.5 @ 1600 deg C For 1 hour AP %MAX : 16 for M/C, 19 for HM CCS Kgs/cm sq MIN :800 FOR M/C, 500 FOR HM BD qm/cc MIN :2.8 FOR M/C, 2.7 FOR HM SPALLING CYCLES -MIN :+30 air quenching at 1600 C For 1 hr Size tolerance whichever is greater: + or -1% or +/- 2mm			
34	BHEL Material Code : SP5360080272 HEARTH BOTTOM INNER CIRCLE BLOCK DRG NO :4-7-1101-01-06283/00 MATERIAL :80% AL2O3 Secification: AL2 O3 %MIN : 80+or-1.5 PCE SK MIN : 36 RUL ta deg C MIN : 1630 PLC %MAX : +/-0.5 @ 1600 deg C For 1 hr AP %MAX :16 for M/C, 19 for HM CCS Kgs/ cm sq MIN :800 FOR M/C, 500 FOR HM BD qm/cc MIN :2.8 FOR M/C, 2.7 FOR HM SPALLING CYCLES -MIN :+30 air quenching at 1600 C For 1 hr Size tolerance whichever is greater: + or -1% or +/- 2mm	Nos.	01 50.000	01/1

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[Signature]
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Sl.No.	BHEL Material Code and Description	Unit	Requirement	
			Quantity	Delivery
	Foot Note :: 1)Tendrrers are requested to submit their offers on TWO-BID basis (Ref.annex.A,C,D) viz. (a) Part-I: Technical and Un-Priced Bid & (b) Part-II: Price Bid. Both the above Bids are to be submitted before 14.00 hours (Indian Time) on Tender Due dt. 2)Annexure-C & D(if applicable) must be filled and submit with offer Technical Bid 3)Any deviation / equivalent for the given specification in the Indent is to be clearly indicated while submissin of offer. 4)The relevant chemical composition data sheet / leaflet / catalogue may be supplied along with offer for Technical comparison of the product. 5)Test Certificate and Guarantee Certificate for Heat Treatment,Chemical composition to be produced along with supply. 6)Inspection / Testing of material at suppliers works by BHEL/SSTP is necessary prior to despatch. 7)Approx. Weight / unit (piece) of each enq.sl no to be indicated in the offer. 8)Material are to be despatched with proper packing to avoid any transit damage.			

IMPO

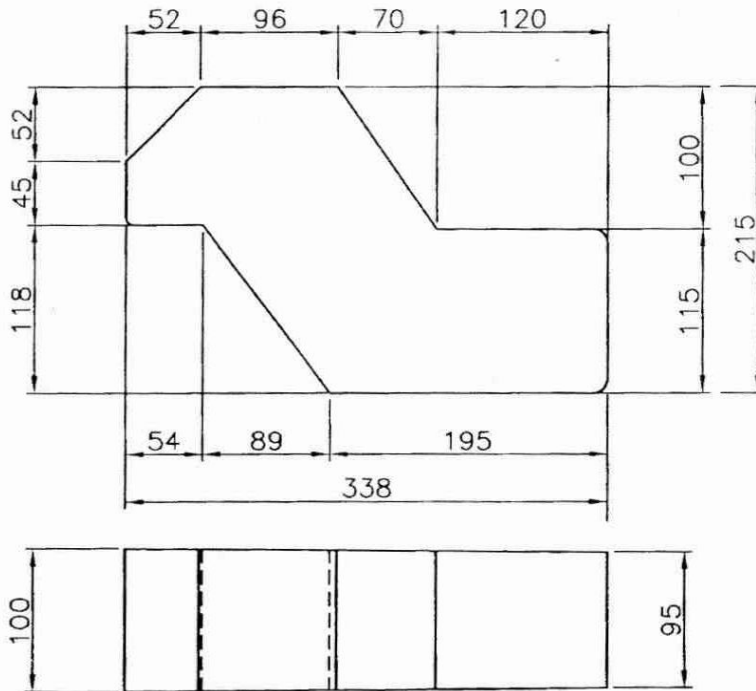
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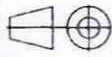
CAUTION: THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LTD
IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANYWAY DETERMINAL TO INTEREST OF THE COMPANY

REV	DATE	ALTERED
01		CHECKED
		APPROVED



NOTES:

1. THE REFRACTORIES SHALL BE COMPACT, OF HOMOGENEOUS TEXTURE AND FREE FROM CRACKS, VOIDS AND OTHER FLAWS, THEY SHALL BE BURNT EVENLY THROUGHOUT, AND SHALL HAVE SUFFICIENT MECHANICAL STRENGTH AND NO SOFT CORNERS.
2. ALL CORNERS TO BE MINIMUM 3 mm. RADII, UNLESS OTHERWISE STATED.
3. TOLERANCE ON SIZE ± 0.1

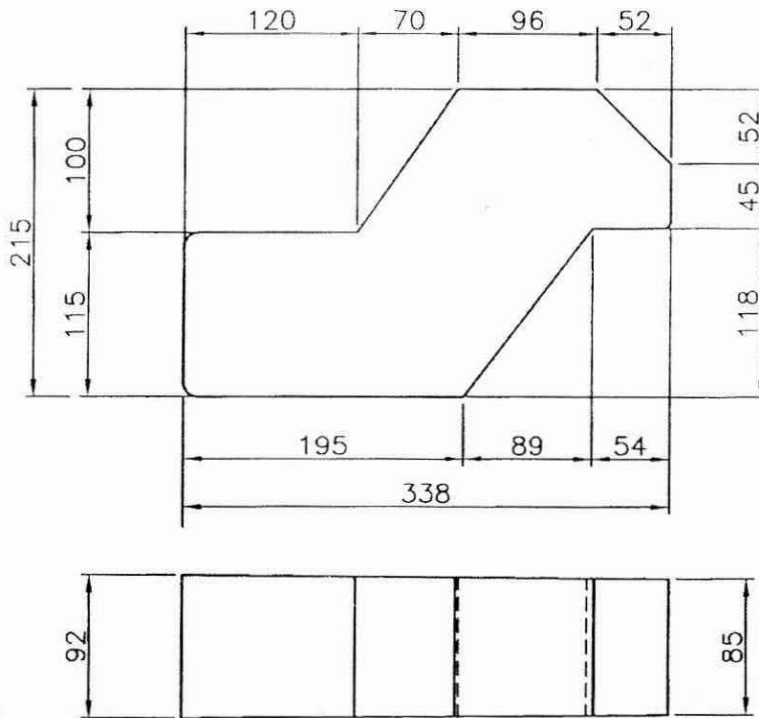
				80% AL ₂ O ₃	480
ITEM NO	DESCRIPTION	DRAWING NO		MATL CODE	UNIT WT
				MATL SPEC	QTY
EQPT: ROTARY HEARTH FURNACE					
 Bharat Heavy Electricals Ltd SEAMLESS STEEL TUBE PLANT TIRUCHIRAPALLI - 620014		DRN	NAME SSN.KUMAR	SIGNATURE <i>S.S.N. Kumar</i>	DATE 15.12.04
		CHD			
		APPD	S.SHANMUGASUNDARAM	<i>S. Shanmugam</i>	16/12/04
DEPT MPG	GRADE OF UNTOL. DIM G/M/F		SCALE 1:5	WEIGHT (Kg) 12.5	REF TO ASSY DRG
CODE					REF TO OLD DRG FA-0427-3/4
TITLE HEARTH MIDDLE OUTER CIRCLE BLOCK			CARD CODE U 01	DRAWING NO : 4-7-1101-01-06280	REV 00

For Engr. SR 32

ALL DIMENSIONS ARE IN MM

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

REV	DATE	ALTERED
		ON DATE
		APPROVED



NOTES:

1. THE REFRACTORIES SHALL BE COMPACT, OF HOMOGENEOUS TEXTURE AND FREE FROM CRACKS, VOIDS AND OTHER FLAWS, THEY SHALL BE BURNT EVENLY THROUGHOUT, AND SHALL HAVE SUFFICIENT MECHANICAL STRENGTH AND NO SOFT CORNERS.
2. ALL CORNERS TO BE MINIMUM 3 mm. RADII, UNLESS OTHERWISE STATED.
3. TOLERANCE ON SIZE $\begin{matrix} +0 \\ -1 \end{matrix}$

ITEM NO	DESCRIPTION	DRAWING NO	80% AL ₂ O ₃	300
			MATL CODE	UNIT WT
			MATL SPEC	QTY

EQPT: ROTARY HEARTH FURNACE



Bharat Heavy Electricals Ltd
SEAMLESS STEEL TUBE PLANT
TIRUCHIRAPALLI - 620014

DRN	NAME SSN.KUMAR	SIGNATURE S.S.N. Kumar	DATE 15.12.04
CHD			
APPD	S.SHANMUGASUNDARAM	<i>S. Shanmugasundaram</i>	16/12/04

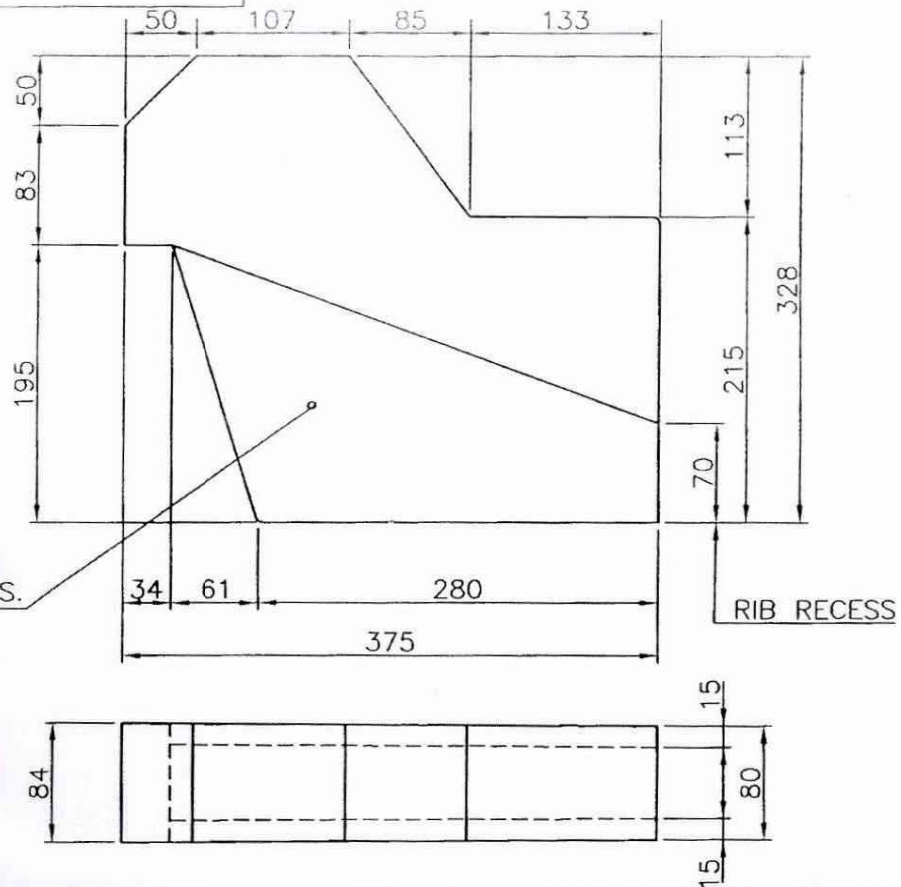
DEPT MPG	GRADE OF UNTOL DIM G/M/F		SCALE 1:5	WEIGHT (Kg) 11.4	REF TO ASSY DRG	ITEM NO	
CODE					REF TO OLD DRG FA-0427-3/5		
TITLE HEARTH MIDDLE INNER CIRCLE BLOCK					CARD CODE U 01	DRAWING NO : 4-7-1101-01-06281	REV 00

For Engr. 82-33

ALL DIMENSIONS ARE IN MM

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

DATE	APPROVED



NOTES:

1. THE REFRACTORIES SHALL BE COMPACT, OF HOMOGENEOUS TEXTURE AND FREE FROM CRACKS, VOIDS AND OTHER FLAWS, THEY SHALL BE BURNT EVENLY THROUGHOUT, AND SHALL HAVE SUFFICIENT MECHANICAL STRENGTH AND NO SOFT CORNERS.
2. ALL CORNERS TO BE MINIMUM 3 mm. RADII, UNLESS OTHERWISE STATED.
3. TOLERANCE ON SIZE $\begin{matrix} +0 \\ -1 \end{matrix}$

ITEM NO	DESCRIPTION	DRAWING NO	80% Al_2O_3	576
			MATL CODE	UNIT WT
			MATL SPEC	QTY

EQPT: ROTARY HEARTH FURNACE

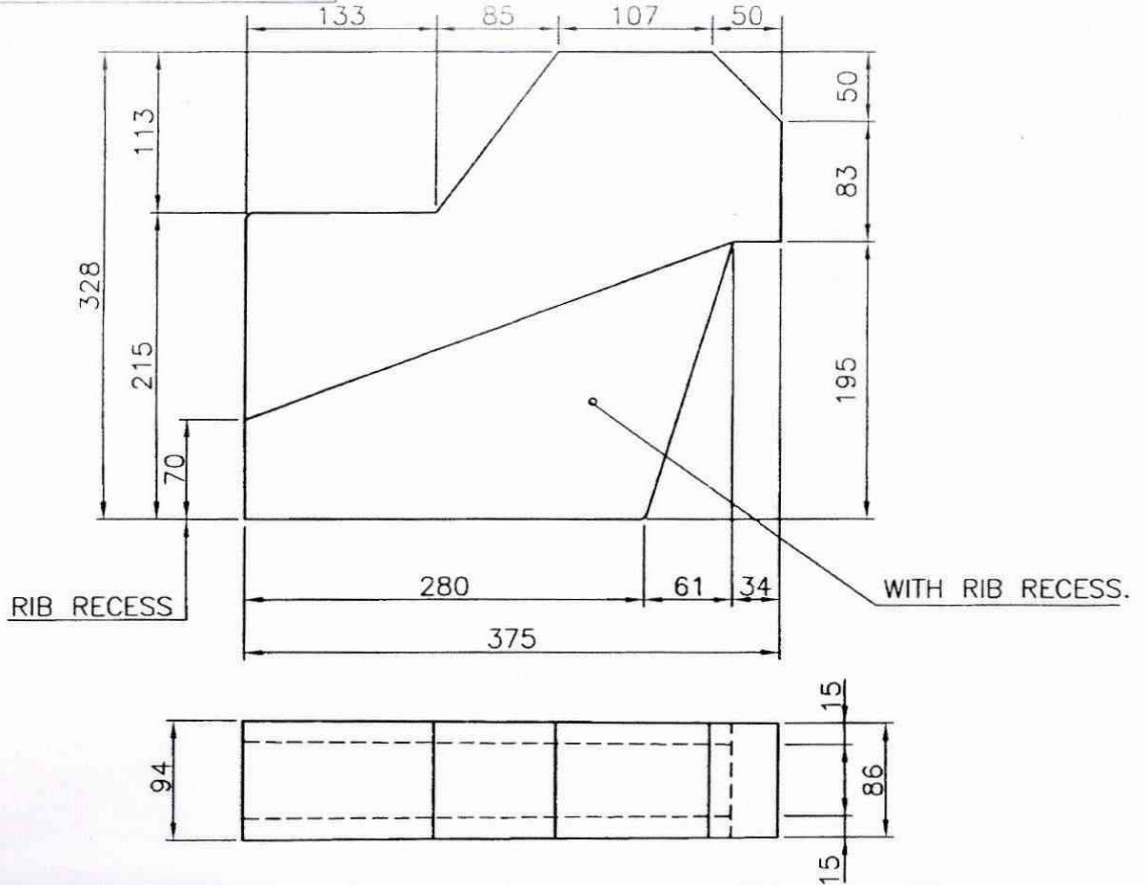
	Bharat Heavy Electricals Ltd SEAMLESS STEEL TUBE PLANT TIRUCHIRAPALLI - 620014		DRN	NAME	SIGNATURE	DATE
			CHD	SSN.KUMAR	S.S.N. Kumar	15.12.04
			APPD	S.SHANMUGASUNDARAM	<i>[Signature]</i>	16/12/04
DEPT MPG	GRADE OF UNTOL DIM 2/12/14	SCALE 1:5	WEIGHT (Kg) 18.1	REF TO ASSY DRG	REF TO OLD DRG	ITEM NO
CODE					FA-0427-3/6	
TITLE HEARTH BOTTOM OUTER CIRCLE BLOCK			CARD CODE U 01	DRAWING NO : 4-7-1101-01-06282	REV 00	

For Engr. SE - 34

ALL DIMENSIONS ARE IN MM

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REV	DATE	ALTERED




NOTES:

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2. ALL CORNERS TO BE MINIMUM 3 mm. RADII, UNLESS OTHERWISE STATED.
3. TOLERANCE ON SIZE $\begin{matrix} +0 \\ -1 \end{matrix}$

ITEM NO	DESCRIPTION	DRAWING NO	MATL CODE	UNIT WT
			80% AL ₂ O ₃	288
			MATL SPEC	QTY

EQPT: **ROTARY HEARTH FURNACE**

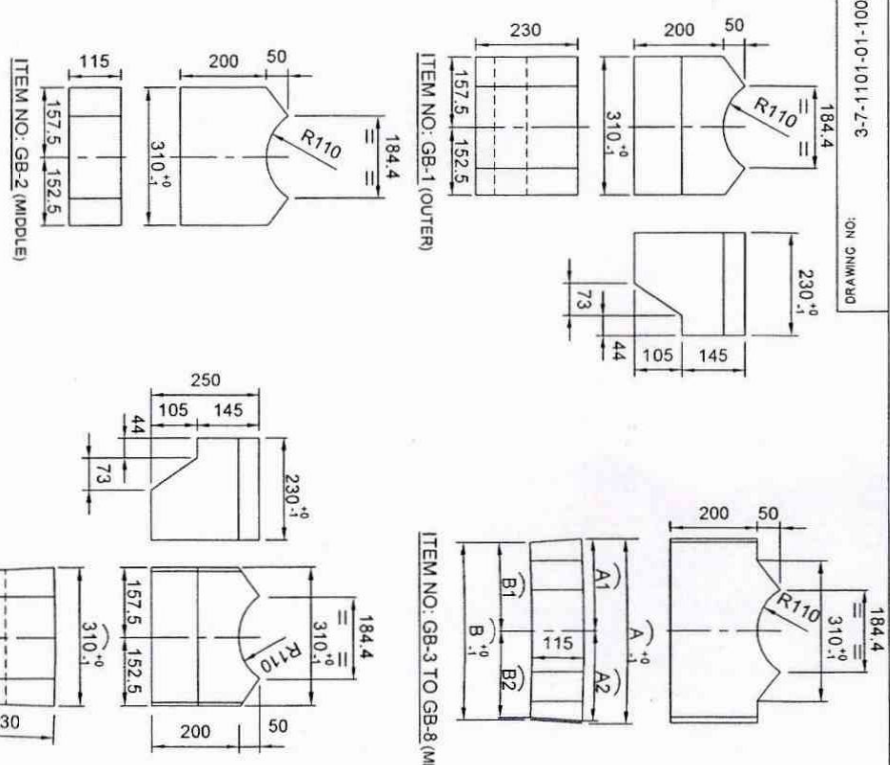
	Bharat Heavy Electricals Ltd SEAMLESS STEEL TUBE PLANT TIRUCHIRAPALLI - 620014		DRN	NAME	SIGNATURE	DATE
			CHD	SSN.KUMAR	S.S.N. Kumar	15.12.04
			APPO	S.SHANMUGASUNDARAM	<i>S. Shanmugasundaram</i>	16/12/06

DEPT	MPG	GRADE OF UNTOL DIM	SCALE	WEIGHT (Kg)	REF TO ASSY DRG	ITEM NO
CODE			1:5	20.4	REF TO OLD DRG	
					FA-0427-3/7	

TITLE	CARD CODE	DRAWING NO :	REV
HEARTH BOTTOM INNER CIRCLE BLOCK	U 01	4-7-1101-01-06283	00

For Engr. 1 to 30

80001-10-1011-2-C
CON DRAWING



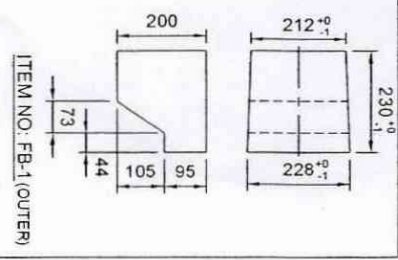
NOTES:
1. The Refractories shall be of Homogeneous texture and free from cracks, voids and other flaws. It shall be evenly burnt throughout and shall have sufficient mechanical strength and no soft corners.
2. All Corners to be minimum 3mm. Radii, Unless otherwise stated.
3. Tolerance on size: ±0.3

ALL DIMENSIONS ARE IN MILLIMETRES

ITEM NO	DIMENSION				QTY (In Nos)	UNIT WT
	A	A1	A2	B		
GB-1	As per Drawing				90	36.97
GB-2	As per Drawing				1800	21.11
GB-3	179.5	351	175.5	170.5	90	23.28
GB-4	175.5	343	171.5	166.5	90	22.72
GB-5	171.5	335	167.5	162.5	90	22.16
GB-6	167.5	327	163.5	158.5	90	21.60
GB-7	163.5	319	159.5	154.5	90	21.04
GB-8	159.5	311	155.5	150.5	90	20.48
GB-9	155	294	147	142	90	41.19

ITEM NO	DIMENSION		Quantity (In Nos)	UNIT WT
	A	B		
FB-1	As per Drawing	204	90	22.30
FB-2	212	204	90	12.92
FB-3	204	196	90	12.42
FB-4	196	188	90	11.92
FB-5	188	180	90	11.43
FB-6	180	172	90	10.93
FB-7	172	164	90	10.43
FB-8	164	156	90	9.94
FB-9	156	147	90	9.41
FB-10	147	139	90	8.88
FB-11	139	131	90	8.38
FB-12	131	123	90	7.89
FB-13	123	115	90	7.39
FB-14	115	107	90	6.89
FB-15	107	99	90	6.40
FB-16	99	90	90	5.87
FB-17	90	82	90	5.34
FB-18	82	74	90	4.84
FB-19	74	66	90	4.35
FB-20	66	58	90	3.85
FB-21	58	50	90	3.35

Material for GB & FB: Al₂O₃ % min 80
Fe₂O₃ % 1.5 - 2



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ITEM NO	DESCRIPTION	DRAWING NO	MATL CODE	UNIT WT
EGP1	ROTARY HEARTH FURNACE			
	Bharat Heavy Electricals Ltd			
	SEAMLESS STEEL TUBE PLANT			
	TRUCHIRAPALLI - 620014			
DEPT	GRACE OR UNTOL DIM	SCALE	WEIGHT (kg)	
SSP	4/M/F	1:10	73509	
CODE	496			
TITLE	RHF - HEARTH TOP LAYER CONTOURED REFRACTORY BRICKS	CARD CODE		
		DRAWING NO :		
		3-7-101-01-10008		
REV				
00				

A3-SIZE



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: 0431-2578406/8419
: 0431-2578568
FAX : 0431-2576828

TIN : 33243560005

Corp. Identity No:
L74899DL1964GOI004281

CST. No. : 239383
Dated : 11.06.1991

PURCHASE ENQU

VENDOR CODE

22250

ENQUIRY NUMBER

9440972E

ENQUIRY DATE

13/10/2014

ENQUIRY DUE DATE

07/11/2014

No. OF IT

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Sl.No.	BHEL Material Code and Description	Unit	Requirement	
			Quantity	Delivery
01	BHEL Material Code : SP5360080310 HEARTH TOP OUTER CONTOURED BRICK GB-1 DRAWING NO: 3-7-1101-01-10008 Material AL2O3 : 80 % Min Fe2O3 : 1.5-2.0 %	Nos.	01 20.000	30/
02	BHEL Material Code : SP5360080329 HEARTH TOP MIDDLE CONTOURED BRICK GB-2 DRAWING NO : 3-7-1101-01-10008 Material AL2O3 : 80 % Min Fe2O3 : 1.5-2.0 %	Nos.	01 200.000	30/
03	BHEL Material Code : SP5360080337 HEARTH TOP MIDDLE CONTOURED BRICK GB-3 DRAWING NO : 3-7-1101-01-10008 Material AL2O3 : 80 % Min Fe2O3 : 1.5 - 2.0 %	Nos.	01 15.000	30/
04	BHEL Material Code : SP5360080345 HEARTH TOP MIDDLE CONTOURED BRICK GB-4	Nos.	01 15.000	30/

IMPORTANT NOTE :

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For and on behalf of
BHARAT HEAVY ELECTRICALS LTD.

[Signature]
PURCHASE EXECUTIVE



BHARAT HEAVY ELECTRICALS LIMITED
 (A GOVERNMENT OF INDIA UNDERTAKING)
SEAMLESS STEEL TUBE PLANT
 TIRUCHIRAPALLI - 620 014.
 TAMILNADU (INDIA)

PHONE : 0431-2578480/8491
 : 0431-2578406/8419
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			Quantity	Delivery
	DRAWING NO : 3-7-1101-01-10008 Material Al2O3 : 80 % Min Fe2O3 : 1.5 - 2.0 %			
05	BHEL Material Code : SP5360080353 HEARTH TOP MIDDLE CONTOURED BRICK GB-5 DRAWING NO : 3-7-1101-01-10008 Material Al2O3 : 80 % Min Fe2O3 : 1.5 - 2.0 %	Nos.	01 15.000	30/
06	BHEL Material Code : SP5360080361 HEARTH TOP MIDDLE CONTOURED BRICK GB-6 DRAWING NO : 3-7-1101-01-10008 Material Al2O3 : 80 % Min Fe2O3 : 1.5 - 2.0 %	Nos.	01 15.000	30/
07	BHEL Material Code : SP5360080370 HEARTH TOP MIDDLE CONTOURED BRICK GB-7 DRAWING NO : 3-7-1101-01-10008 Material	Nos.	01 15.000	30/

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For and on behalf of
BHARAT HEAVY ELECTRICALS LTD.

Sneha
PURCHASE EXECUTIVE



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Sl.No.	BHEL Material Code and Description	Unit	Requirement	
			Quantity	Delivery
	Fe2O3 : 80 % Min Fe2O3 : 1.5 - 2.0 %			
08	BHEL Material Code : SP5360080388 HEARTH TOP MIDDLE CONTOURED BRICK GB-8 DRAWING NO : 3-7-1101-01-10008 Material Al2O3 : 80 % Min Fe2O3 : 1.5 - 2.0 %	Nos.	01 15.000	30/
09	BHEL Material Code : SP5360080396 HEARTH TOP INNER CONTOURED BRICK GB-9 DRAWING NO : 3-7-1101-01-10008 Material Al2O3 : 80 % Min Fe2O3 : 1.5 - 2.0 %	Nos.	01 15.000	30/
10	BHEL Material Code : SP5360080400 HEARTH TOP FLAT BRICK FB-1 DRAWING NO : 3-7-1101-01-10008 Material Al2O3 : 80 % Min	Nos.	01 15.000	01/12

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For and on behalf of
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[Signature]
PURCHASE EXECUTIVE



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 TIRUCHIRAPALLI - 620 014.
 TAMILNADU (INDIA)

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TIN : 33243560005
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Corp. Identity No:
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PURCHASE ENQ

VENDOR CODE 22250	ENQUIRY NUMBER 9440972E	ENQUIRY DATE 13/10/2014	ENQUIRY DUE DATE 07/11/2014	No. OF IT 34
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Sl.No.	BHEL Material Code and Description	Unit	Requirement	
			Quantity	Delivery
	Fe2O3 : 1.5 - 2.0 %			
11	BHEL Material Code : SP5360080418 HEARTH TOP FLAT BRICK FB-2 DRAWING NO : 3-7-1101-01-10008 Material Al2O3 : 80 % Min Fe2O3 : 1.5 - 2.0 %	Nos.	01 15.000	01/12
12	BHEL Material Code : SP5360080426 HEARTH TOP FLAT BRICK FB-3 DRAWING NO : 3-7-1101-01-10008 Material Al2O3 : 80 % Min Fe2O3 : 1.5 - 2.0 %	Nos.	01 15.000	01/12
13	BHEL Material Code : SP5360080434 HEARTH TOP FLAT BRICK FB-4 DRAWING NO : 3-7-1101-01-10008 Material Al2O3 : 80 % Fe2O3 : 1.5 - 2.0 %	Nos.	01 15.000	01/12

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For and on behalf of
BHARAT HEAVY ELECTRICALS LTD.

Sreedhar
PURCHASE EXECUTIVE

**BHARAT HEAVY ELECTRICALS LIMITED**

(A GOVERNMENT OF INDIA UNDERTAKING)
SEAMLESS STEEL TUBE PLANT
TIRUCHIRAPALLI - 620 014.
TAMILNADU (INDIA)

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TIN : 33243560005

Corp. Identity No:
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CST. No. : 239383

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Sl.No.	BHEL Material Code and Description	Unit	Requirement	
			Quantity	Delivery
14	BHEL Material Code : SP5360080442 HEARTH TOP FLAT BRICK FB-5 DRAWING NO : 3-7-1101-01-10008 Material Al2O3 : 80 % Min Fe2O3 : 1.5 - 2.0 %	Nos.	01 15.000	01/12
15	BHEL Material Code : SP5360080450 HEARTH TOP FLAT BRICK FB-6 DRAWING NO : 3-7-1101-01-10008 Material Al2O3 : 80 % Min Fe2O3 : 1.5 - 2.0 %	Nos.	01 15.000	01/12
16	BHEL Material Code : SP5360080469 HEARTH TOP FLAT BRICK FB-7 DRAWING NO : 3-7-1101-01-10008 Material Al2O3 : 80 % Min Fe2O3 : 1.5 - 2.0 %	Nos.	01 15.000	01/12

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Signature
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Sl.No.	BHEL Material Code and Description	Unit	Requirement	
			Quantity	Delivery
17	BHEL Material Code : SP5360080477 HEARTH TOP FLAT BRICK FB-8 DRAWING NO : 3-7-1101-01-10008 Material Al2O3 : 80 % Min Fe2O3 : 1.5 - 2.0 %	Nos.	01 15.000	01/12
18	BHEL Material Code : SP5360080485 HEARTH TOP FLAT BRICK FB-9 DRAWING NO : 3-7-1101-01-10008 Material Al2O3 : 80 % Min Fe2O3 : 1.5 - 2.0 %	Nos.	01 15.000	01/12
19	BHEL Material Code : SP5360080493 HEARTH TOP FLAT BRICK FB-10 DRAWING No. : 3-7-1101-01-10008 MATERIAL Al2O3 : 80 % Min Fe2O3 : 1.5 - 2.0 %	Nos.	01 15.000	01/12
20	BHEL Material Code : SP5360080507			

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For and on behalf of
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Breejy
PURCHASE EXECUTIVE



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Sl.No.	BHEL Material Code and Description	Unit	Requirement	
			Quantity	Delivery
	HEARTH TOP FLAT BRICK FB-11 DRAWING No. : 3-7-1101-01-10008 MATERIAL Al203 : 80 % Min Fe203 : 1.5 - 2.0 %	Nos.	01 15.000	01/12
21	BHEL Material Code : SP5360080515 HEARTH TOP FLAT BRICK FB-12 DRAWING No. : 3-7-1101-01-10008 MATERIAL Al203 : 80 % Min Fe203 : 1.5 - 2.0 %	Nos.	01 15.000	01/12
22	BHEL Material Code : SP5360080523 HEARTH TOP FLAT BRICK FB-13 DRAWING No. : 3-7-1101-01-10008 MATERIAL Al203 : 80 % Min Fe203 : 1.5 - 2.0 %	Nos.	01 15.000	01/12
23	BHEL Material Code : SP5360080531 HEARTH TOP FLAT BRICK FB-14 DRAWING No. : 3-7-1101-01-10008	Nos.	01 15.000	01/12

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Sl.No.	BHEL Material Code and Description	Unit	Requirement	
			Quantity	Delivery
	MATERIAL Al203 : 80 % Min Fe203 : 1.5 - 2.0 %			
24	BHEL Material Code : SP5360080540 HEARTH TOP FLAT BRICK FB-15 DRAWING No. : 3-7-1101-01-10008 MATERIAL Al203 : 80 % Min Fe203 : 1.5 - 2.0 %	Nos.	01 15.000	01/12
25	BHEL Material Code : SP5360080558 HEARTH TOP FLAT BRICK FB-16 DRAWING No. : 3-7-1101-01-10008 MATERIAL Al203 : 80 % Min Fe203 : 1.5 - 2.0 %	Nos.	01 15.000	01/12
26	BHEL Material Code : SP5360080566 HEARTH TOP FLAT BRICK FB-17 DRAWING No. : 3-7-1101-01-10008 MATERIAL	Nos.	01 15.000	01/12

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For and on behalf of
BHARAT HEAVY ELECTRICALS LTD.

Sreejaya
PURCHASE EXECUTIVE

ANNEXURE-A

IMPORTANT NOTE TO TENDERERS (FOR INDIGENOUS & OVERSEAS SUPPLIERS)

This Tender is floated on **TWO-BID System**. Tenders are requested to submit their offers in TWO-BIDS (Part I: Un priced bid and Part II: Price Bid) separately in a sealed cover as follows.

1. **Part I: UN PRICED BID:** (Complete with technical & Commercial conditions as per enquiry including un priced copy of price schedule i.e. identical to part II with prices blanked and replaced by "Quoted").

The Tenderer should confirm their acceptance / comments to the Enquiry along with other commercial Terms & Conditions of the Tender. In case any deviation is taken by the Tenderer from the Tender requirements, it is to be clearly indicated in the offer with reference to the particular clause. If such deviations are not explicitly indicated in the offer, it will be construed by BHEL that the Tenderer is complying with Annexure Clause(s), Commercial terms & conditions and other conditions in full.

2. **Part II: PRICE BID:** Price (with break-up details wherever required) to be indicated.
3. **Both Un priced Bid and Price Bid is** to be submitted in a single envelop before 1400 hours (Indian Time) on tender Due Date.
4. The **Unpriced Bid** shall be put in a separate sealed cover superscribed with Tender number, Tender Date & Tender Due Date and also the cover should be clearly marked with "UNPRICED BID".
5. The **Price Bid** shall be put in a separate sealed cover superscribed with Tender number, Tender Date & Tender Due Date & the cover should be clearly marked with "PRICE BID".
6. Both the individually enveloped **UNPRICED BID** and **PRICE BID** covers as mentioned above, have to be put in another single bigger cover clearly indicating Tender number, Tender Date & Tender Due Date at the top of the cover. This cover is to be addressed to

Purchase Executive,
Purchase Department,
Seamless Steel Tube Plant (SSTP),
BHEL, Tiruchirapalli-620014, India.
Phone No: 91 431 2578502, 2578491

7. Un-priced Bid shall **only** be opened on the Tender Due Date mentioned in the Tender, in the presence of Tenderers / their Authorized Representative, who may like to be present for such opening. The price bid will NOT be opened on the date of tender opening.
8. After opening the Un-priced Bid, they shall be evaluated by BHEL for their suitability. BHEL shall hold discussions with the responded Tenderers on the Technical and Commercial terms and freeze the terms & conditions of the offer. These frozen technical specifications will be communicated to responded tenderers.
9. BHEL shall offer opportunity to the responded and technically / commercially suitable Tenderers, to submit their latest Price Bid/ Impact of prices, if any in line with the frozen technical , Commercial , delivery conditions.
10. This latest Price Bid & the Impact of prices for the frozen technical specifications submitted by the Tenderers will be opened in the presence of Tenderers. Based on the above, the ranking of the Tenderers shall be made and accordingly the Tender shall be finalized.
11. "BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. **This will be decided after techno-commercial evaluation.** All bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA, and if BHEL decides to go for opening the sealed envelop price bid, the offer submitted during the tender due date will considered.

In case BHEL decides to go for Reverse Auction, only those bidders who have given their acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit "online sealed bid" in the Reverse Auction. Non-submission of "online sealed bid" by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.

Terms & Conditions of REVERSE AUCTION

Against this enquiry for the subject item/ system with detailed scope of supply as per enquiry specifications, BHEL may resort to "REVERSE AUCTION PROCEDURE" i.e., ON LINE BIDDING (THROUGH A SERVICE PROVIDER). The philosophy followed for reverse auction shall be English Reverse (No ties).

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.

Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit "online sealed bid" in the Reverse Auction. Non-submission of "online sealed bid" by the bidder for any of the eligible items for which techno-commercially qualified, will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
2. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
3. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
4. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
5. Bidders have to fax the Compliance form (annexure IV) before start of Reverse auction. Without this, the bidder will not be eligible to participate in the event.

In line with the NIT terms, BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at "Total Cost to BHEL" like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the bidder to enable them to fill-in the price and keep it ready for keying in during the Auction.

6. Reverse auction will be conducted on scheduled date & time.
7. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.
8. The lowest bidder has to fax/e-mail the duly signed and filled-in prescribed format for price breakup including that of line items, if required, (Annexure VII) as provided on case-to-case basis to Service provider within two working days of Auction without fail.
9. **In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL's standard practice.**
10. Bidders shall be required to read the "Terms and Conditions" section of the auctions site of Service provider, using the Login IDs and passwords given to them by the service provider before reverse auction event. Bidders should acquaint themselves of the „Business Rules of Reverse Auction", which will be communicated before the Reverse Auction.
11. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action as per extant BHEL guidelines, shall be initiated by BHEL and the results of the RA scrapped/ aborted.
12. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
13. In case BHEL decides to go for reverse auction, the H1 bidder(s) (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.

Annexure - C.
Commercial Conditions

Vendor Code:	Vendor Name:	
Tender No.:	Tender Date:	Tender Due Date:

Sl.No	Commercial Terms	Accepted
C1.	<u>Delivery Terms :</u> Free delivery at BHEL/SSTP Stores duly including Packing, Forwarding, Freight and Insurance charges	
C2.	<u>Payment :</u> 100% after 45 days after receipt and acceptance of materials by BHEL.	
C3.	<u>LIQUIDATED DAMAGES:</u> It is clearly understood among the parties to the Contract that TIME IS THE ESSENCE OF THE CONTRACT. Therefore, the delivery of the goods specified in the Purchase Order shall be made within the time prescribed. Where the Seller supplies or despatches the goods, beyond the delivery period specified, and the Purchaser will have no obligation to accept the goods. If accepted, Liquidated Damages at the rate of 0.5% (Zero point five Percent) of the value of goods delayed, per week of delay, subject to a maximum of 10% (Ten Percent) or part thereof, will be levied without prejudice to any other relief or compensation due to the Purchaser under any other conditions of the Contract. <u>RISK PURCHASE:</u> Alternatively, the Purchaser, at his option, will be entitled to terminate the Contract and to purchase elsewhere at the risk and cost of Seller, either the whole of the goods or any part, which the Seller has failed to deliver or dispatch within the time stipulated as aforesaid or if the same were not available the best and nearest available substitute thereof. The Seller shall be liable for any loss, which the Purchaser may sustain by reason of such Risk Purchase(s), in addition to penalty at the rate mentioned in Clause No.06 above.	
C4.	<u>Delivery Period :</u> As per Enquiry schedule.	
C5.	<u>Validity - minimum 60 Days from the date of Tender Opening.</u>	
<u>Deviations if any (attach additional sheet, if required) :</u>		

Sl.No.	Commercial Terms	
C6.	Validity of Offer (Date)	
C7.	Excise Duty (including Cess) % (with Break up details)	
C8.	TVNAT / CST (%)	
C9.	Delivery Period (Days/Weeks/Months) Please refer the Enquiry.	
C10.	Other Cost (if any) - % (or) Rs.	
C11.	Are you Micro/Small/Medium Industry? (If YES, please furnish MSM Regn.No., along with a copy of MSM Certificate)	YES / NO MSM No. MSM Certificate enclosed(Yes/NO)

Signature with Date :

Important Note to MSE Vendors

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 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 CA certificate (Format enclosed) applicable for the year, certifying quantum of investment in plant and machinery within the permissible limit as per the act for relevant status (Micro or small) where the deemed validity of EM II is over. Date to be reckoned for determining the deemed validity will be the last date of technical bid submission. Non submission of such documents will lead to consideration of their bids at par with other bidders and MSE status of such suppliers shall be shifted to Non MSE supplier till the supplier submits these documents.

Certificate by Chartered Accountant

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.5.0.1722(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