 432-003	ENQUIRY VALVES	Bharat Heavy Electricals Limited (A Government of India undertaking) HIGH PRESSURE BOILER PLANT PURCHASE DEPARTMENT/VALVES TIRUCHIRAPPALLI-620 014.		Phone:04312577913 FAX :0431-2520383 Email: fayasmalik@bheltry.co.in
		ENQUIRY NO.	DATE	DUE DATE FOR QUOTATION
		EN:SHP:491	13.05.2015	04.06.2015
		Please quote Enquiry No., and due date in correspondences This is only a request for quotation and not an order.		
Supply of Special Fasteners as per the purchase specification enclosed. <u>Date , Time & Venue of tender opening :</u> 04.06.2015 at 14.30 Hrs. at Valves Purchase Conference Hall , Building No 24, III Floor BHEL, Tiruchirappalli-620 014, Tamil Nadu State, India.		<u>Scope of supply</u> Supply of Special Fasteners as per the purchase specification enclosed. -List of Annexures Annexure 1A- Scope of Supply Annexure 1B- Drawings Annexure 2- General terms & Conditions Annexure 3- Schedule of Deviation Format Annexure 4- Unpriced format Annexure 5- Priced format		
<p>The rate of Excise Duty and Sales Tax, Prevalent on the date of quotation, should be clearly indicated in the quotation itself.</p> <p>Please, submit your lowest quotation in duplicate subject to our terms and conditions , for the above materials, so as to reach us on or before the due date by 14.00 Hrs. (IST)</p> <p>Quotation will be opened at 14.30 Hrs. (IST) on the due date in the presence of tenderers who may like to be present.</p> <p>Late tenders will not be considered.</p>			<p style="text-align: right;">Yours faithfully,</p> <p style="text-align: right;">For Bharat Heavy Electricals Ltd</p> <p style="text-align: right;">Fayaz Malik K Engineer/Purchase/Valves</p>	



BHARAT HEAVY ELECTRICALS LIMITED

Tiruchirapalli-620014

PURCHASE VALVES

Proposal for Floating Open Tender Enquiry

Ref: EN:SHP:491

Date: 11.05.2015

1.1	Description of Material	-	FASTENERS-SPECIAL MATERIAL (Annexure 1)		
1.2	Quantity	-	As per annexure attached		
1.3	Indentor	-	System Generated PR		
1.4	Project Name/Requirement plan	-	Requirement Plan 2015-16		
1.5	Material Group	-	HTFVL		
2.1	Nature of Item	-	Available at competitive prices		
2.2	Mode of Enquiry	-	Open tender		
2.3	No of Bid Parts	-	Three (Pre-qualification + Techno-Commercial + Price Bids)		
2.4	No of PMD vendors	-	10		
2.5	Enquiry to be sent to	-	Total Suppliers (-)		
		-	Indigenous (-)	Foreign (-)	Others (-)
2.6	Total Value Estimated (Approx.)	-	50	Lakhs	
2.7	Required Start Delivery	-	30.08.2015		
2.8	Delegation of Power	-	2.1	Manager	

Remarks:

The above requirement covers the requirement of AUSC development, LP Bypass development and conversion of Sub contracting to Sub delivery. Inconel fasteners are required for AUSC development and LP Bypass development whereas special material 21CrMoV5-7 is required for Subcontracting to subdelivery conversion.

Since these materials are being procured for the first time and PMD should be evolved, open tender is resorted. Budgetary offers was obtained and estimate is prepared (annexure 1). List of probable vendors who can supply this material have been listed in annexure 2, these vendors will be intimated through email about this tender.

In light of above facts, it is proposed to float open tender for the above requirement.

AGM/MM/Valves may kindly approve this proposal for floating for open tender.

Mukil M (Assistant Engr. Gr-II/Purchase/Valves)

Fayas Malik K (Engineer/Purchase/Valves)

Muthu I (Sr. Manager/Purchase/Valves)

Raguraman P (AGM/MM/Valves)

Annexure 1

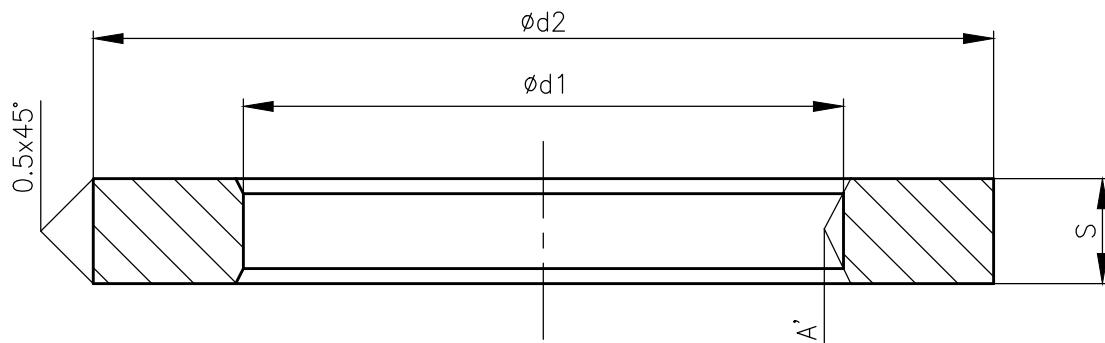
Sl No	Material Code	Description	Qty	SPEC	DRG NO
10	964612150000	PILOT SPRING	10	INCONEL 718	4V620425449
20	964612170000	STUD M16TX100-6300	16	SB637 UNS N07750	3V630027125
30	964612180000	HEXAGON NUT M16-6300	16	SB637 UNS N07750	4V630025447
40	964612190000	WASHER M24-6300	12	SB637 UNS N07750	4V000025448
50	964612200000	HSH CAP SCREW M24X75 -6300	12	SB637 UNS N07750	3V000027126
60	964612210000	HSH CAP SCREW M20TX115 -6300	4	SB637 UNS N07750	3V000027126
70	964612220000	HSH CAP SCREW M8X45 -6300	4	SB637 UNS N07750	3V000027126
80	964612230000	WASHER M8-6300	4	SB637 UNS N07750	4V000025448
90	964612260000	HSH CAP SCREW M42TX130 -6300	12	SB637 UNS N07750	3V000027126
100	964612270000	WASHER M42-6300	12	SB637 UNS N07750	4V000025448
110	964612280000	HSH CAP SCREW M16TX105 -6300	16	SB637 UNS N07750	3V000027126
120	964612290000	WASHER M16-6300	16	SB637 UNS N07750	4V000025448
130	964612830000	HSC SCR U M16TX55	50	21CrMoV5-7	3V000027130
140	964612840000	HSCSCRUM16TX105	1185	21CrMoV5-7	3V000027130
150	964612850000	HSCSCRU M18TX65	40	21CrMoV5-7	3V000027130
160	964612860000	HSCSCRU M20TX75	248	21CrMoV5-7	3V000027130
170	964612870000	HSH CAP SCREW M20TX115	200	21CrMoV5-7	3V000027130
180	964612880000	HSCSCRUM22TX80	80	21CrMoV5-7	3V000027130
190	964612890000	HSCSCRU M24Tx75	780	21CrMoV5-7	3V000027130
200	964612900000	HSCSCRU M24TX135	32	21CrMoV5-7	3V000027130
210	964612910000	HSC SCR U M30TX65	104	21CrMoV5-7	3V000027130
220	964612920000	HSCSCRU M30Tx130	280	21CrMoV5-7	3V000027130
230	964612930000	HSCSCRU M36Tx130	32	21CrMoV5-7	3V000027130
240	964612940000	HSH CAP SCREW M42TX140	616	21CrMoV5-7	3V000027130
		Total Quantity	3781		

FOR TOLERANCES OF UNTOLERANCED DIMENSIONS

ALL DIMENSIONS ARE IN MILLIMETRES.
DURING MANUFACTURE REFER RELEVANT QCP/QP

REV 01	DATE 09.01.15	ALTERED : C.K.S CHD & APPD :M.C.K
1.MAT.SPECN.WAS SB 637 UNS N07750 TYPE-2 2.HEAT TREATMENT DETAILS INCLUDED. 3.VARIANT NO. INDICATED IN TABULATION IN PLACE OF SL.NO. . 4.964612230000 WAS 964612220000 DCN: 801866		


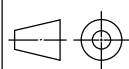
0.8/

**TABULATION:—**

Variant No.	MATERIAL CODE	NOMINAL SIZE	d1	d2	s	'A'X45°	Wt in Kg
001	964612290000	M16	17 ^{+0.430} ₀	26 ⁰ _{-0.520}	4.5	1.1–1.3	0.0106
002	964612190000	M24	25 ^{+0.520} ₀	39 ⁰ _{-0.620}	6.0	1.2–1.4	0.0329
003	964612270000	M42	43 ^{+0.620} ₀	66 ⁰ _{-0.740}	10.5	1.8–2.0	0.1612
004	964612230000	M8	9	17	1.6	—	0.022

* RAW MATERIAL SHALL BE TRIPLE HEAT TREATED AS PER MATERIAL SPECIFICATION.

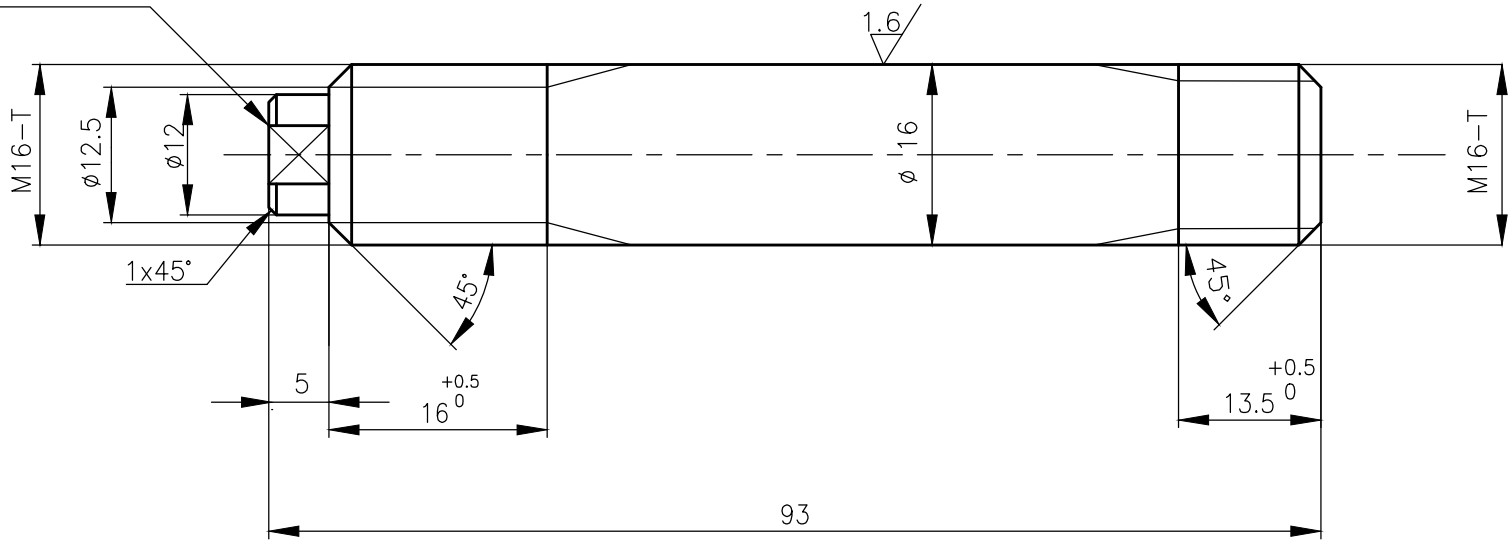
01

		REFER TABULATION	SB637 UNS N07750 TYPE-1 *						
NO OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No
<div> BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI 620014.</div> <div>365-122</div>					DRN	NAME CHITRANJAN	SIGN C.K.S	DATE 01.03.2014	NO.OF VAR
					CHD	M.C.K	M.C.K	01.03.2014	
					APPD	M.S.VINOD	M.S.V	01.03.2014	
DEPT VL			SCALE N.T.S	WEIGHT (KG). REFER TABULATION	REFERENCE INFORMATION				NO. OF ITEMS
CODE 310			COMPONENT CODE: REFERE TABULATION						
TITLE WASHER				CARD CODE U 01	DRAWING NO. 4-V-0000-25448				REV 01

3-V-6300-27125
DRAWING NO.

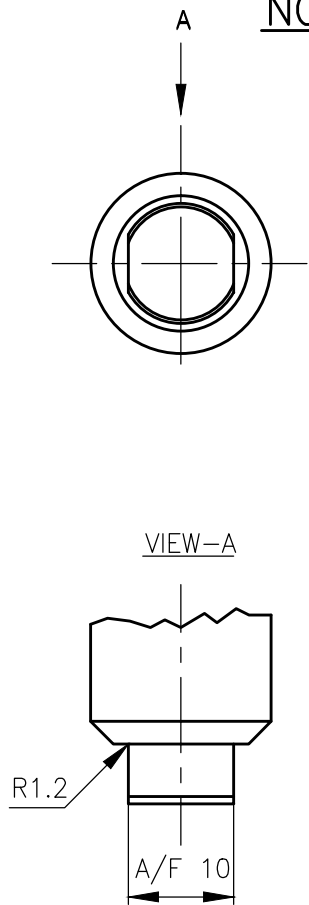
3.2/1.6

REFER NOTES NO. 4



NOTES:


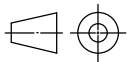
- 1.TOLERANCE ON STUD THREAD SHALL BE SAME AS THE HSH CAP SCREW OF THE SAME SIZE.
- 2.THREADS SHALL BE FORMED BY ROLLING.
- 3.REFER APPLICABLE TDC WITH LATEST REVISION.
- 4.STUDS SHALL BE MARKED AS UNS N07750 ON THE FACE TO IDENTIFY THE MATERIAL



* RAW MATERIAL SHALL BE TRIPLE HEAT TREATED AS PER MATERIAL SPECIFICATION.

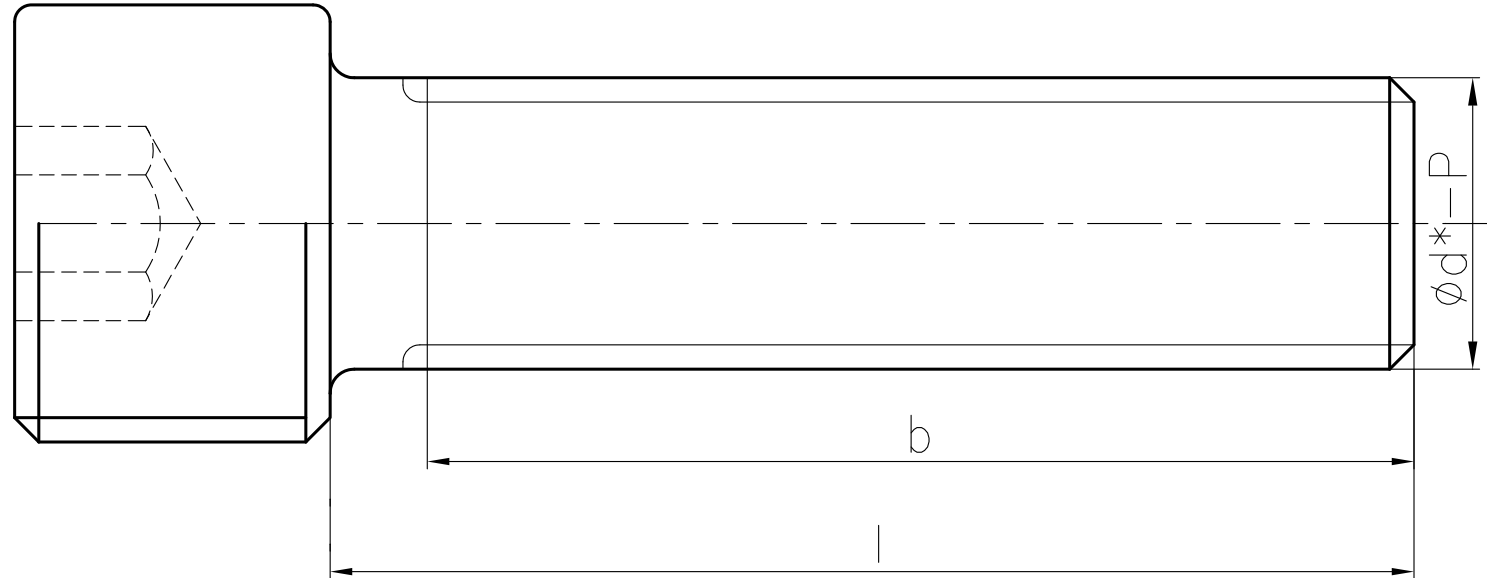
REV	DATE	ALTERED : C.K.S
01	09.01.15	CHD & APPD :M.C.K
1.MAT.SPECN.WAS SB 637 UNS N07750 TYPE-2		
2.HEAT TREATMENT DETAILS INCLUDED.		
DCN: 801866		

CAUTION: The information on this document is the property of BHARAT HEAVY ELECTRICALS LTD. It must not be used directly or indirectly in any way detrimental to the interest of the company.

1	BAR 28-100		SB637 UNS N07750 TYPE-1 *			0.13			41
NO OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT									
 365-121 BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI-620014.					DRN	NAME CHITRANJAN	SIGN C.K.S	DATE 19.03.2014	NO.OF VAR.
					CHD	M.C.K	M.C.K	19.03.2014	
					APPD	N.RAJASEKAR	N.R	19.03.2014	
DEPT VL			SCALE NTS	WEIGHT (KG). 0.13	REFERENCE INFORMATION				NO. OF ITEMS
CODE 310					COMPONENT CODE: 964612170000				
TITLE STUD					CARD CODE U 01	DRAWING NO. 3-V-6300-27125			REV 01

DRAWING NO.


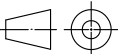
- *1.THREAD TOLERANCES SHALL BE ACCORDING TO DIN 2510 part 2.
- 2.ALL REMAINING DIMENSIONS OF THE HEXAGON SOCKET HEAD CAP SCREWS SHALL BE ACCORDING TO ISO 4762
- 3.TOP AND BOTTOM OF HEAD SHALL BE SUITABLY RADIUSSED OR CHAMFERED.
4. HEADS OF SCREWS SHOULD BE PLAIN AND NOT KNURLED.
5. ALL SCREWS SHALL BE MARKED WITH MATERIAL SPECIFICATION FOR IDENTIFICATION
6. ALL SCREWS SHALL BE ZINC AND OLIVE DRAB PASSIVATED
7. HARDNESS OF THE SCREWS BEFORE SURFACE PROTECTION SHALL BE 22–24 HRC
8. THESE SCREWS WILL BE CUT TO SIZE TO SUIT THE REQUIREMENT. ANY PRECAUTIONS/SPECIAL MEASURES TO BE CONSIDERED BY THE PURCHASER TO RETAIN THE PROPERTIES OF THE SCREWS AFTER CUTTING TO SIZE SHALL BE INDICATED BY THE VENDOR ALONG WITH THE QUOTATION.

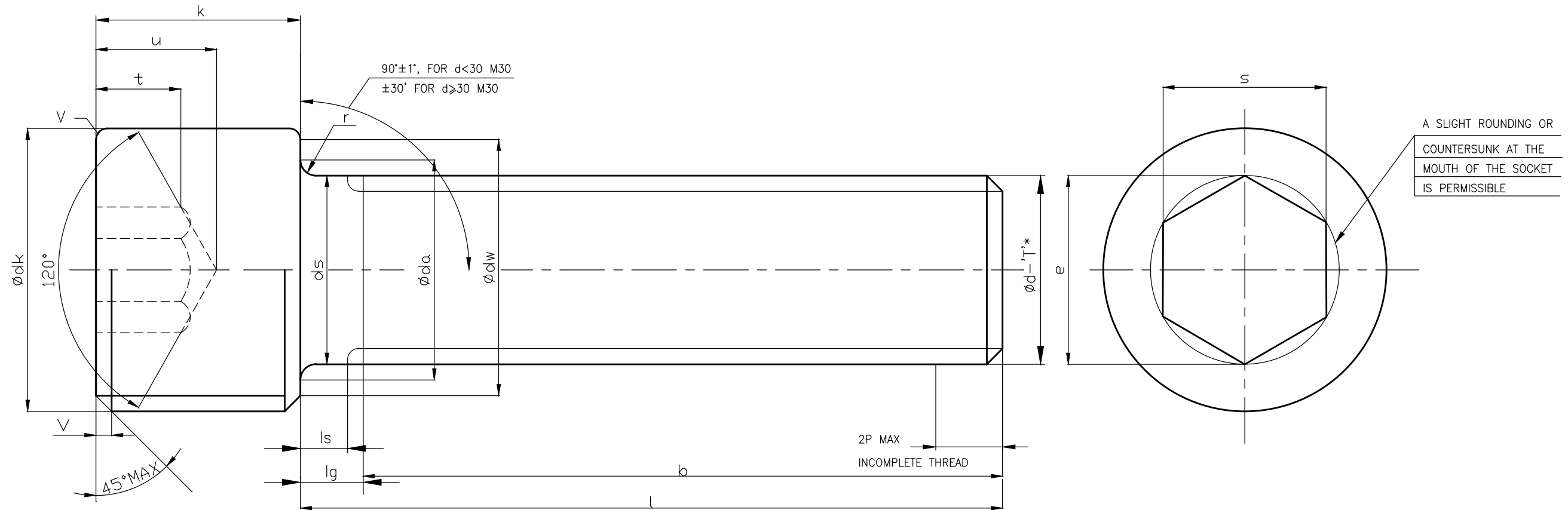


Variant No	Material Code	Nominal Size (d)	Nominal Length (l)	Threaded length (b)	Pitch	Unit Weight in Kg (Approx.)
001	964612830000	M16	55	44	2	0.13
002	964612840000	M16	105	55	2	0.21
003	964612850000	M18	65	56	2.5	0.20
004	964612860000	M20	75	63	2.5	0.28
005	964612870000	M20	115	45	2.5	0.38
006	964612880000	M22	80	70	2.5	0.37
007	964612890000	M24	75	63	3	0.45
008	964612900000	M24	135	60	3	0.64
009	964612910000	M30	65	45	3.5	0.68
010	964612920000	M30	130	80	3.5	1.05
011	964612930000	M36	130	84	4	1.59
012	964612940000	M42	140	90	4.5	2.39

REV	DATE	ALTERED
		CHD & APPD

CAUTION: The information on this document is the property of BHARAT HEAVY ELECTRICALS LTD. It must not be used directly or indirectly in any way detrimental to the interest of the company.

			21CrMoV5-7 (1.7709)						
NO OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT									
 BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI-620014. 365-121					DRN	NAME M.S.VINOD	SIGN M.S.V	DATE 31.03.15	NO.OF VAR.
					CHD	M.S.VINOD	M.S.V	31.03.15	
					APPD	N.RAJASEKAR	N.R	31.03.15	
DEPT VL		SCALE NTS	WEIGHT (KG). REFER TABULATION	REFERENCE INFORMATIONS					NO. OF ITEMS
CODE 310									
TITLE HEX. SOCKET HEAD CAP SCREW				CARD CODE U 01	DRAWING NO. 3-V-0000-27130				REV 00



005	964612220000	M 8	45	44.40	45.60	—	—	28	1.25	8.0	7.64	9.2	6	6.02	6.14	8.0	7.64	6.86	0.4	4.0	—	0.8	6.863	—	—	—	—	—	—
004	964612260000	M 42	130	129.40	130.60	55.5	60	70	4.5	63.00	62.54	45.6	32	32.08	32.33	42.00	41.38	36.57	1.2	24.0	35.6	4.2	61.34	-0.750	-0.750	-0.250	-0.486	-0.250	-0.810
003	964612210000	M 20	115	114.40	115.60	67.5	70	45	2.5	30.00	29.67	22.4	17	17.05	17.216	20.00	19.48	19.44	0.8	10.0	15.7	2.0	28.87	-0.200	-0.535	-0.200	-0.370	-0.200	-0.550
002	964612200000	M 24	75	74.40	75.60	—	—	63	3.0	36.00	35.61	26.4	19	19.065	19.275	24.00	23.48	21.73	0.8	12.0	18.3	2.4	34.81	-0.212	-0.587	-0.212	-0.412	-0.212	-0.628
001	964612280000	M 16	105	104.50	105.50	35	50	55	2.0	24.00	23.67	18.2	14	14.032	14.159	16.00	15.57	16.0	0.6	8.0	12.7	1.6	23.07	-0.177	-0.457	-0.177	-0.337	-0.177	-0.481
Variant No.	MATERIAL CODE	NOMINAL SIZE (d)	NOM	MIN	MAX.	MIN.	MAX.	b	pitch (P)	MAX.	MIN.	MAX. da	NOM.	MIN.	MAX.	MAX.	MIN.	MIN.	MIN.	MIN.	MAX.	MAX.	MIN.	Upper	Lower	Upper	Lower	Upper	Lower
			l			ls	lg			dk			s			k h13/h14		e	r	t	u	v	dw	Major Dia		Pitch Dia		Minor Dia	


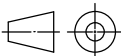
01

01

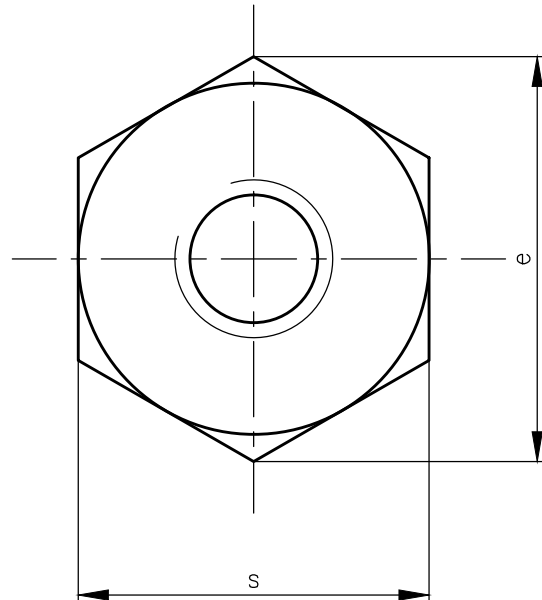
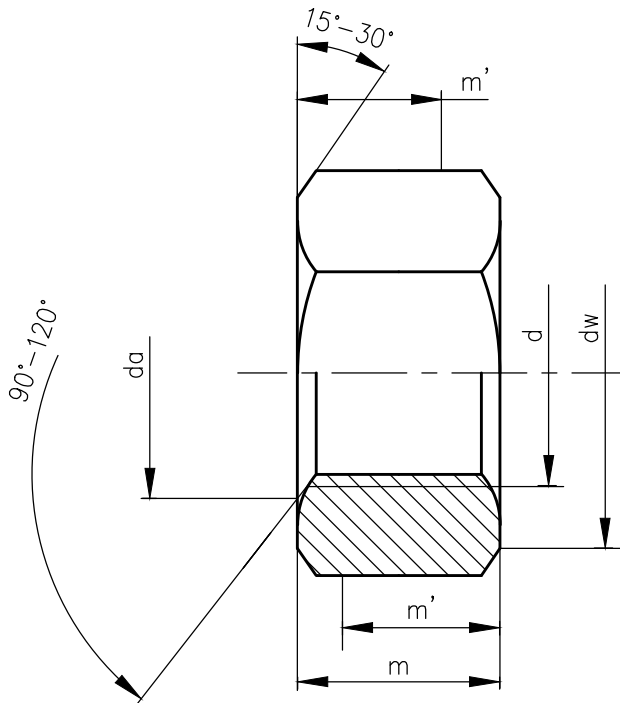
Tolerances on thread

* RAW MATERIAL SHALL BE TRIPLE HEAT TREATED AS PER MATERIAL SPECIFICATION.

REV	DATE	ALTERED :	C.K.S
01	09.01.15	CHD & APPD :	M.C.K
1.MAT.SPECN.WAS SB 637 UNS NO7750 TYPE-2			
2.HEAT TREATMENT DETAILS INCLUDED.			
3.VARIANT NO. INDICATED IN TABULATION			
IN PLACE OF SL.NO..			
DCN: 801866			

1	SHS CAP SCREW	REFER TABULATION	SB 637 UNS N07750 TYPE-1 *						
NO OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No
TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT									
 BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI-620014. 365-121					DRN	NAME CHITRANJAN	SIGN C.K.S	DATE 19.03.2014	NO.OF VAR.
					CHD	M.C.K	M.C.K	19.03.2014	
					APPD	N.RAJASEKAR	N.R	19.03.2014	
DEPT VL		SCALE	NTS	WEIGHT (KG).	REFERENCE INFORMATIONS				NO. OF ITEMS
CODE 310					COMPONENT CODE: REFER TABULATION				
TITLE SHS CAP SCREW				CARD CODE U 01	DRAWING NO. 3-V-0000-27126				REV 01

REV 01	DATE 09.01.15	ALTERED : C.K.S CHD & APPD : M.C.K
1.MAT.SPECN.WAS SB 637 UNS N07750 TYPE-2		
2.HEAT TREATMENT DETAILS INCLUDED.		
DCN: 801866		


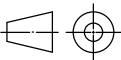
**TABULATION:**

Thread Size	da		dw	e	m		m'		S
d	Min	Max	Min	Min	Max	Min	Min	Max	Min
M16	16	17.3	22.5	26.75	14.8	14.1	11.3	24	23.67

NOTE: – FOR OTHER DIMENSIONS/DETAILS REFER IS:1364.

* RAW MATERIAL SHALL BE TRIPLE HEAT TREATED AS PER MATERIAL SPECIFICATION.

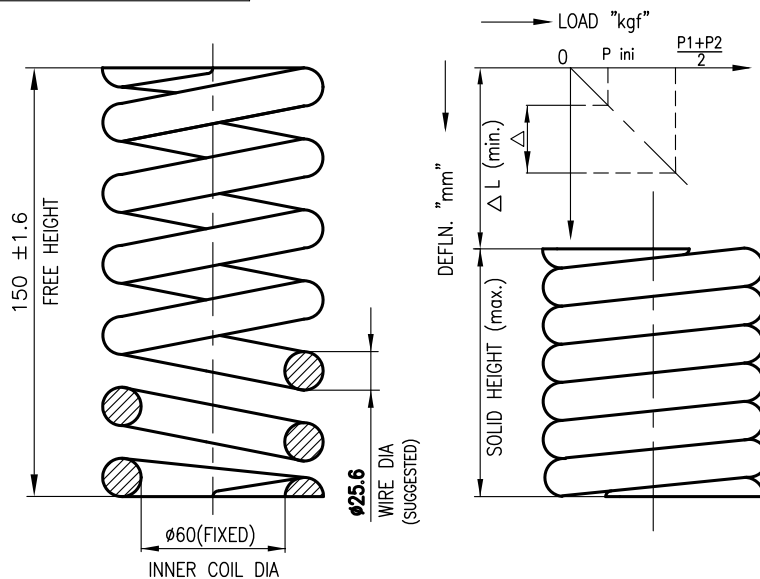


			SB637 UNS N07750 TYPE-1 *						
NO OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No
<div> 365-122</div> <div>BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI 620014.</div>					DRN	NAME CHITRANJAN	SIGN C.K.S	DATE 01.03.2014	NO.OF VAR
					CHD	M.C.K	M.C.K	01.03.2014	
					APPD	M.S.VINOD	M.S.V	01.03.2014	
DEPT VL			SCALE N.T.S	WEIGHT (KG). 0.2	REFERENCE INFORMATION				NO. OF ITEMS
CODE 310			COMPONENT CODE:964612180000						
TITLE HEXAGON NUT					CARD CODE U 01	DRAWING NO. 4-V-6300-25447			REV 01

FOR TOLERANCES OF UNTOLERANCED DIMENSIONS


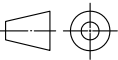
ALL DIMENSIONS ARE IN MILLIMETRES.
DURING MANUFACTURE REFER RELEVANT QCP/QP

REV	DATE	ALTERED
		CHD & APPD

**NOTES:**

1. MANUFACTURE & WORKMANSHIP SHALL BE IN ACCORDANCE WITH APPLICABLE PROCEDURE FOR **NON IBR** APPLICATION.
2. ** – FOR REFERENCE ONLY. VENDOR TO DECIDE SUITABLY
3. ACCEPTABLE SPRING MATERIALS TO **PRODUCT ATTEST** : INCONEL 718
4. SPRING VENDOR IS RESPONSIBLE FOR STRESS RELIEVING, TEMPERING AND OTHER HEAT TREATMENTS AND CONTROLS TO ENSURE MINIMUM STRESSED SPRINGS.

ROW	DESCRIPTION	UNITS	VALUE
01	OUTSIDE DIA MAX. LIMIT	(mm)	112
02	SPRING RATE	(Kg/mm)	200
03	SOLID DEFLECTION ΔL min.	(mm)	40
04	INITIAL LOADING P _{ini}	(Kg)	1200
05	TEST DEFLECTION Δ	(mm)	28
06	LOAD AT TEST P ₁ MIN.	(Kg)	6521.2
	DEFLECTION P ₂ MAX.	(Kg)	7078.8
07	TILT DEFLECTION	(mm)	34
08	EFFECTIVE NO. OF COILS	No	2.8±0.25
09	SPRING WEIGHT	(Kg)	4.7
10	PITCH**	(mm)	39.9 ±0.9
11	SPRING CODE	964612150000	
12	PROCESS OF MANUFACTURE	HOT/ COLD COILING	

NO OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No
<div></div> <div>BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI 620014.</div>					DRN	NAME M.S.VINOD	SIGN M.S.V	DATE 07.10.2013	NO.OF VAR
					CHD	M.S.VINOD	M.S.V	07.10.2013	
					APPD	N.RAJASEKAR	N.R.S	07.10.2013	
DEPT VL			SCALE NTS	WEIGHT (KG).	REFERENCE INFORMATIONS				NO. OF ITEMS
CODE 310									
TITLE PILOT SPRING				CARD CODE U 01	DRAWING NO. 4-V-6204-25449				REV 00



BHARAT HEAVY ELECTRICALS LTD

Annexure 2A

VALVES PURCHASE

Trichy - 620 014. India

GENERAL TERMS AND CONDITIONS

1. QUOTATIONS:

- a. **BID system:** The offers are invited in Three part bid system (Part I will be Prequalification bid, Part II will be Techno-commercial bid and part III will be Price Bid)
- b. **Submission of Tender:** Each offer should be sent in triple cover separately for each bid and the same should be sealed and super scribed with correct Tender No., description & due date of opening. The outer cover should only bear the address of this office and should not have any indication that a tender is within. Two or more quotations should not be sent in one cover. Tender should not be addressed to any individual's name but only by designation.

TENDER BOX/PURCHASE/VALVES
III FLOOR, BUILDING 24
BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHIRAPALLI – 620014, TAMILNADU, INDIA

- c. **Late tenders:** Late tenders will not be considered under any circumstance.
- d. **Regulations:** 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 figures. Where there is difference between amount quoted in words and figures, amount quoted in words shall prevail.
- e. **PVC:** Price Variation clause not acceptable. Prices should be firm.
- f. **Catalogue:** Manufacturer's name, Trade Mark or Patent No. if any should be specified. Illustrative leaflets giving technical particulars are required along with quotation.
- g. **Deviation.** Any deviations from the specification are to be furnished separately as "Annexure 3A Schedule of Deviation". If there is no deviation vendor should indicate "No Deviation".
- h. **Confirmation:** Confirmation for compliance is to be given in the offer for all the techno commercial conditions specified in the specification.

2. COMMERCIAL TERMS & CONDITIONS:

- a. **Terms of Payment:**
 - Import:** Payment 100% against cash against documents after 45 days.
 - Indigenous:** Payment 100% after 45 days on satisfactory receipts and acceptance of material at BHEL stores. Offers requesting for advance payment will be rejected.
- b. **Liquidated Damage:** A sum equivalent to 0.5% of price for each week of delay up to a maximum of 10% of the delayed/ undelivered goods.
- c. **Delivery Terms:**
 - Import:** Price should be quoted as CIF/C&F as per ICC Incoterms 2010.
 - Indigenous:** Prices should on FOR BHEL Trichy stores
- d. **Validity of Offer:** Prices should be valid for 120 days from the date of opening of this tender.
- e. **Custom Duties:** As per FTP 2009-2014.
- f. **Risk Purchase:** 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 goods or any part which the supplier has failed to deliver or dispatch within the time stipulated as aforesaid or if the same were not available, the best and the nearest available substitute therefore. Supplier shall be liable for any loss which the purchaser may sustain by reason for such risk purchases in addition to penalty.
- g. **MODVAT/CREDIT:** If any Excise Duty is payable, the chapter head/sub-head reference and the rate of the duty should be quoted. If the tender is availing MODVAT credit for his input materials, the effect of proforma invoice should be passed on to the purchaser; tenderer under MODVAT shall be preferred.
- h. **Miscellaneous:** Any conditions which might have been quoted by the seller and are in contravention to the terms prescribed in order and which have not been specifically accepted by Purchaser will not be applicable to the contract.
- i. **Delivery period:** Delivery should be 3 months.
- j. **Bank Charges:** All Bank charges outside India are to vendor's account only.



VALVES PURCHASE

Trichy - 620 014. India

GENERAL TERMS AND CONDITIONS

3. GENERAL CONDITIONS

- a. BHEL reserves the right to finalize the tender as per item sl no wise or as a total package or project wise. Separate orders will be released for each project and documents should be supplied for each order separately.
- b. BHEL reserves the right to increase or reduce or split the Tender Quantity and NOT to order for some or all material based on the changes in project.
- c. BHEL shall have the right to visit vendor works during the execution of contract along with end customer for verifying status, inspection and testing of the material.
- d. BHEL reserves the right to negotiate or re-float the tender in case the quoted prices are not acceptable.
- e. Supplier shall arrange packing to avoid lose or damages during Road Transport, Site handling & Storage.
- f. Purchase Order, PO Item SI No, Material code, Quantity should marked the Packing clearly.
- g. BHEL reserves the right to finalize the tender either through price bid opening or through Reverse Auction route.
- h. BHEL reserves the right to reject the offer of a particular bidder due to unsatisfactory past performance in the execution of a contract at any of BHEL projects / units.
- i. The Drawings and Technical documents given in this enquiry are the sole property of BHEL. This should not be misused in any form.

4. DOCUMENTATION:

- a. **With Consignment:**
 - One set of Non Negotiable Documents, O&M Manual, packing list, Fumigation Certificate.
- b. **Through Bank:** All originals in Triplicate, material description in all documents shall be exactly as indicated in PO.
 - Bill of lading /Airway Bill and Certificate of Origin.
 - The invoice indicating the Unit price & total price.
 - Packing List contains quantity, net & gross weight of each item, packing dimensions, PO, Item SI No.
 - Inspection test certificates as per PO, Guarantee/warranty certificates.
 - Original Performance Bank Guarantee in the BHEL format from list of consortium bank, If applicable
- c. **To Purchase :** In soft copy
 - Copy of All Test Certificates as per purchase order.
 - Certificate that materials shipped and shown in the packing list are not less than that invoiced.
 - Copy of Non-negotiable documents
- d. **Identification:** Material code, Purchase Order, PO item SI No, Unique SI No if any should be provided in all despatch documents, materials and packing clearly.

5. TENDER EVALUATION:

Part I-Pre Qualification Bid-

- All Vendors should submit supply record, end user certificate and PO reference, catalogue etc...
- Vendor who are not registered in BHEL Trichy Product Material Directory (PMD) should register online in <http://supplier.bhel.in/> and should submit copy of online registration form wit part I bid.
- BHEL reserves right to visit vendor works before registration for verification of facilities.
- Vendor who doesn't have manufacturing capacity/capabilities/credentials will be rejected.

PART II Techno-commercial Bid.

- All vendors should submit General arrangement drawing, datasheet and C&I diagrams of the offered product
- Point by point technical confirmation of all pages of our technical specifications and commercial conditions are required with your sign and seal along with techno commercial Offer.
- Filled Annexure 4A and Annexure 4B should be submitted.
- IBR certification of the factory should be confirmed with the offer.
- Offers from supplier not having technical capability or not agreed for commercial terms, will be rejected

PART III Price Bid.

- Bidders qualified for both part I and part II will be intimated for participating in priced bid opening/Reverse Auction.
- L1 bidder will be decided based on landed cost for the equipment to BHEL..
- Price Bid should be in BHEL format Annexure 4C
- For evaluation, the exchange rate shall be taken as TT selling rate of SBI on date of Part-1 bid opening.

Note: PART I and PART II will be opened together at time of tender opening

SCHEDULE OF DEVIATIONS

Enq Ref:

Offer Ref:

Date:

Commercial Deviation:

Annexure / Clause No.	Description	Supplier Deviation

Technical Deviation:

Annexure / Clause No.	Description	Supplier Deviation

We confirm acceptance of all the Technical and Commercial requirements as per BHEL Tender, except the above deviations.

Signature with Seal

				Annexure 4
	BHEL Enquiry No. & Date	Vendor's Offer Ref No. & Date		
	MODEL UNPRICE BID FORMAT			
	Currency			
Enq SI No.	Description	Unit	Qty	Unit Price in Currency
1				Quoted/Not Quoted
2				Quoted/Not Quoted
3				Quoted/Not Quoted
4				Quoted/Not Quoted
5				Quoted/Not Quoted
.				Quoted/Not Quoted
.				
	FOR/CIF Value in Currency			Quoted/Not Quoted
	Validity of Price			
	Consignment Package Details			
	Approximate Net / Cross Weight in Kgs			
	Dimension of Consignment			
	Delivery date from the date of Purchase Order			
		Signature & Seal of Vendor		
	NOTE:			
	The Unpriced Bid should be submitted strictly in line with the above FORMAT			

				Annexure 5	
	BHEL Enquiry No. & Date		Vendor's Offer Ref No. & Date		
	MODEL PRICE BID FORMAT				
	Currency				
Enq SI No.	Description	Unit	Qty	Unit Price in Currency	Value in Currency
1					
2					
3					
4					
5					
.					
.					
	Total Ex-works Value in currency				
	Add Packing & Forwarding Charges if extra				
	CFR/FOR Value in Currency				
	Validity of Price				
	Consignment Package Details				
	Delivery date from the date of Purchase Order				
		Signature & Seal of Vendor			
	NOTE:				
	The Price Bid should be submitted strictly in line with the above FORMAT				