	<p align="center">BHARAT HEAVY ELECTRICALS LIMITED INDUSTRIAL VALVES PLANT 433, INDUSTRIAL COMPLEX GOINDWAL SAHIB DISTT. TARN TARAN- PUNJAB – 143422</p>	<p>No.BHEL:IVP: SC:TOA:AD 2016-17/02 Dated 17.10.2016</p>
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NOTICE INVITING APPLICATIONS FOR REGISTRATION OF SUB CONTRACTORS

BHARAT HEAVY ELECTRICALS LIMITED [BHEL] is manufacturing Industrial Valves and other Boiler accessories at its Industrial Valves Plant, Goindwal Sahib unit. Machining Vendors are required for machining of various components of TOA Valves. Annual procurement value for FY 16-17 is Rs 5Lac.

Expression of interest and applications for registration are invited from sub-contractors (BHEL encourages procurement from Micro and Small Enterprises (MSEs), MSEs are requested to apply for registration) for doing the machining job of various components of TOA Valves. Major areas for which subcontractors are required are casting machining, CNC/VMC, chrome/nickel plating jobs etc.

TOA Valves	Machining of Body/Yoke castings, Bonnet, Disc and various other items. Some items also require Tuffriding and chrome/nickel plating as well. List of components, where machining vendors are required, is attached herewith as Annexure-II. Sample drawings of some components are also attached.
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BHEL is looking for prospective Sub Contractors for above detailed job work for BHEL.

BHEL shall evaluate the vendors as per its established vendor selection, evaluation and registration procedure. Supplier registration form can also be downloaded from our website www.bhel.com available as a downloadable link at [http://www.bhel.com/vender_registration/pdf/Guidelines to Contractors SEARP2010Amdt_04for web edit.pdf](http://www.bhel.com/vender_registration/pdf/Guidelines_to_Contractors_SEARP2010Amdt_04for_web_edit.pdf)

BHEL invites such vendors to visit its above located plant on any working day from Monday to Saturday between 0930 Hrs to 1730 Hrs and contact undersigned for any clarification regarding:

Items details and requirement		Vendor registration form/procedure
Sumeet Bansal Manager (Sub Contracting)	Priksht Ravesh Sr. Engineer (Sub Contracting)	Sahil Malhotra Sr. Engineer (Sub-Contracting)
Phone: 01859-224647	01859-224644	01859-224669
Mobile: 098780 06105	9888062649	098142 09180
E-mail: sb@bhelivp.in	priksht@bhelivp.in	sahil@bhelivp.in

Fax: 01859-222061

BHARAT HEAVY ELECTRICALS LIMITED INDUSTRIAL VALVES
PLANT, 433, INDUSTRIAL COMPLEX, GOINDWAL SAHIB,
DISTT. TARN TARAN, PUNJAB – 143 422

TOA Valves - List of items in which machining sources are required on Job work basis

Annexure II

S.No	Gr. No	Product Area	Component Description	Description of Valve/ Product (Used in)
1	G2303	TOA	Body Machining	2.5-C1500-GLV/GNV-BW-WCC/WC9
2	G2304	TOA	Body Machining	3-C1500-GLV/GNV-BW-WCC/WC9
3	G2305	TOA	Body Machining	4-C1500-GLV-BW-WCB/WC9
4	G2306	TOA	Stem	2.5-C1500-GLV/GNV-HO/MO-WCC
5	G2310	TOA	Yoke Machining	5-C1500-GNV-BW-MO-WC9
6	G2313a	TOA	Body Rough	2.5-C1500-GLV-BW-HO-WC9
7	G2313b	TOA	Body Rough	3-C1500-GLV-BW-HO-WC9
8	G2313c	TOA	Body Rough	4-C1500-GLV-BW-HO-WCB
9	G2313d	TOA	Body Rough	5-C1500-GLV-BW-GO-WC9
10	G2322	TOA	Yoke Bushing	2" to 8" Class 1500
11	G2323	TOA	Adaptor	2" to 8" Class 1500
12	G2325a	TOA	Sunk Key	2.5/3-C1500-GLV/GNV-BW-WCC/WCB/WC9
13	G2325b	TOA	Sunk Key	4-C1500-GLV-BW-HO-WCB
14	G2327a	TOA	Yoke Stopper	2.5-C1500-GLV-BW-HO-WC9
15	G2327b	TOA	Yoke Stopper	3-C1500-GLV-BW-HO-WC9
16	G2327c	TOA	Yoke Stopper	4-C1500-GLV-BW-HO-WCB
17	G2328a	TOA	Gland	2.5-C1500-GLV-BW-HO-WC9
18	G2328b	TOA	Gland	3-C1500-GLV-BW-HO-WC9
19	G2328c	TOA	Gland	4-C1500-GLV-BW-HO-WCB
20	G2328d	TOA	Gland	5-C1500-GLV-BW-GO-WC9
21	G2330a	TOA	Bushing	2.5/3-C1500-GLV/GNV-BW-WCC/WCB/WC9
22	G2330b	TOA	Bushing	4/5-C1500-GLV-BW-HO-WCB
23	G2345	TOA	Yoke Machining	3-C1500-GLV-BW-HO-WC9
24	G2346	TOA	Stem Maching	5-C1500-GLV-BW-MO-WC9
25	G2347	TOA	Eye Bolt Clamp	5-C1500-GNV-BW-MO-WC9
26	G2349	TOA	Yoke Clamp	2" to 8" Class 1500
27	G2475	TOA	HAND WHEEL-G004	2.5-C1500-GLV-HO-WCC
28	G2476	TOA	Grip	2.5-C1500-GNV-BW-HO-WCC
29	G2477	TOA	Nut	2.5-C1500-GNV-BW-HO-WCC
30	G2478	TOA	Bolt	2.5-C1500-GNV-BW-HO-WCC
31	G2479	TOA	Lock plate	2.5-C1500-GNV-BW-HO-WCC
32	G2481	TOA	Disc Final	3-C3500-GNV
33	G2494	TOA	INTERMEDIATE FL.-G090	3/4-C1500-GNV-BW-MO-WCB

DRAWING NO. 2-V-0000-15103/4

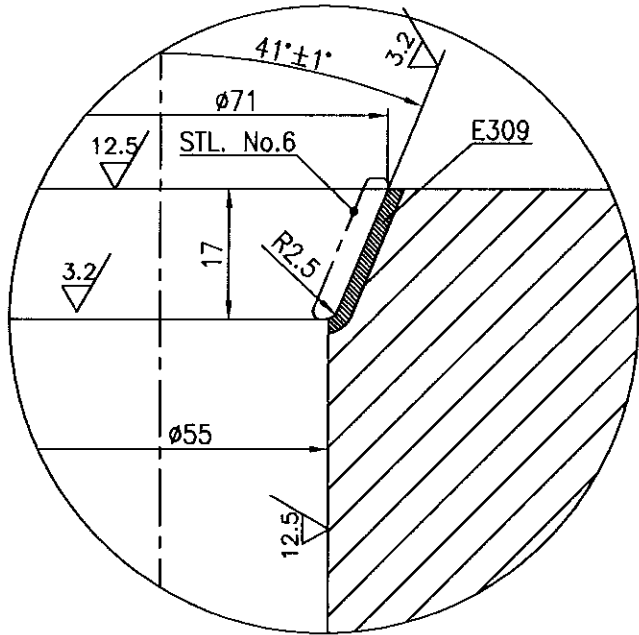
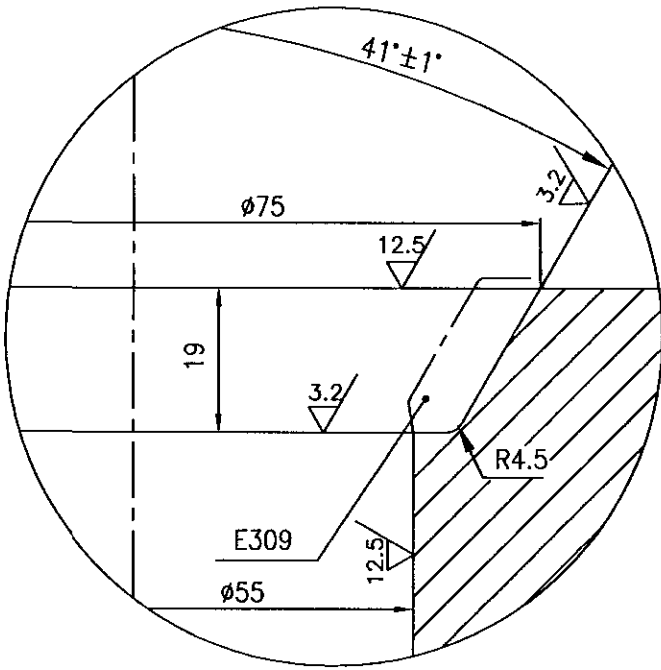
ALL DIMENSIONS ARE IN MILLIMETRES. FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT QCP / QP

① ✓/12.5/ 3.2/

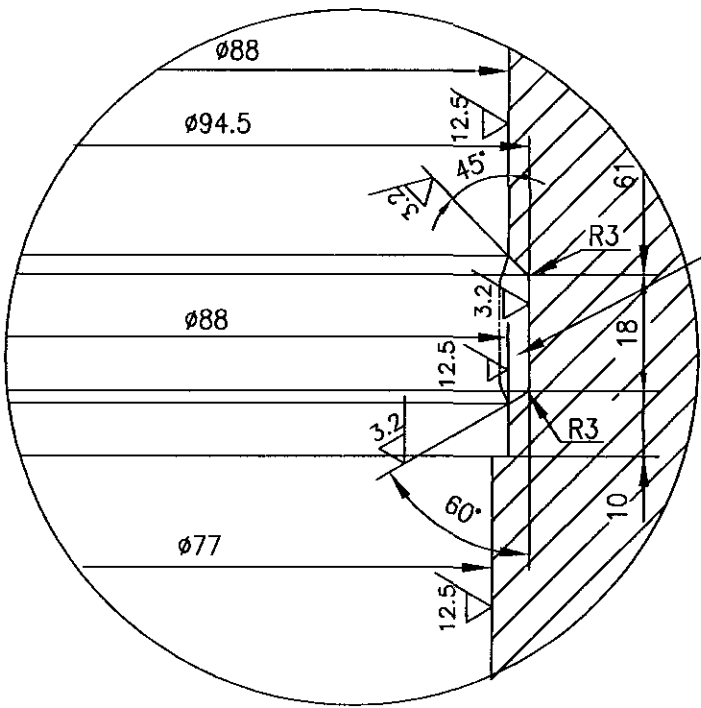
DETAIL-A

MACHINING BEFORE
BUFFER LAYER WELD

MACHINING BEFORE
STELLITE-6 WELD



DETAIL-B



NOTES:-

- 1.LATEST APPLICABLE QUALITY WORK INSTRUCTION SHALL BE FOLLOWED IN ALL RESPECTS
- 2.* MARKED TYPES ARE SPECIAL CLASS RATINGS.

* 08	2-v-G052-15103/4	A217 WC9, NT	ATTEST	931119498000		20
* 07	2-V-G051-15103/4	A217 WC6, NT		931119488000		20
* 06	2-V-G050-15103/4	A216 WCC, AN		931119478000		10
* 05	2-V-G049-15103/4	A216 WCB, AN		931119468000		10
04	2-V-G044-15103/4	A217 WC9, NT		931119458000		20
03	2-V-G043-15103/4	A217 WC6, NT		931119448000		20
02	2-V-G042-15103/4	A216 WCC, AN		931119438000		10
01	2-V-G041-15103/4	A216 WCB, AN		931119428000		10
SL. NO.	DRAWING NO.	MATERIAL SPECIFICATION	COMP. CODE			SCRAP SORT

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									
REDRAWN WITH REV.4 ON 4.12.04									
BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI -620014.				DRN	V.BAIRAVAN	SIGN	DATE	NO.OF VAR.	
				CHD	K.RAJASEKARAN		04.12.04		
				APPD	M.RAJKUMAR		04.12.04		
REFERENCE INFORMATION				3-E27159 (870)			CAD REFER:T215103		
DRAWING NO. REF.TABLE				2-V-0000-15103			REV		
TITLE				BODY (ROUGH)			4		
A3126B -6				(65/1500CL)					
CARD CODE				U 01					

REV	DATE	ALTERED V.B	
4	04.12.04	CHD & APPD	KRS&MRK
ZONE	E309 BUFFER WELD INCLUDED		
	DCP NO; 800397		

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.