



BHARAT HEAVY ELECTRICALS LIMITED
INDUSTRIAL VALVES PLANT
433, INDUSTRIAL COMPLEX
GOINDWAL SAHIB
DISTT. TARN TARAN- PUNJAB – 143422

No.BHEL:IVP:
SC: Wall
Blower : AD
2016-17/02
Dated
17.10.2016

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. Approx annual procurement value for Wall Blower items and spares for FY 2016-17 – Rs 70 lac.

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 Wall Blowers. Major areas for which subcontractors are required are gear/worm machining, press/die, CNC/VMC jobs.

Machining of Items for which vendors required immediately are:

Wall Blowers

Machining vendors are required to machine various components of wall blower. Also heat treatment/plating wherever required to be arranged by the vendor. List of components, where machining vendors are required, is attached herewith as Annexure-IV. Sample drawings of some components are also attached.

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)	Prikshit Ravesh Sr. Engineer (Sub Contracting)	Sahil Malhotra Sr. Engineer (Sub-Contracting)
Phone: 01859-224647	01859-224644	01859-224669
Mobile: 098780 06105	098880 62649	098142 09180
E-mail: sb@bhelivp.in	prikshit@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

Wall Blower - List of Items in which machining sources are required on Job work basis

Annexure IV

S.No	Gr. No	Product Area	Component Description	Description of Valve/ Product (Used in)
1	G2173	WB	GLAND FOLLOWER-30014502	Wall Blower
2	G2174	WB	VALVE STEM ASSY-30068702	Wall Blower
3	G2176	WB	VALVE STEM	Wall Blower
4	G2177	WB	VALVE BLANK	Wall Blower
5	G2179	WB	WORM-30011901	Wall Blower
6	G2180	WB	WORM-30011903	Wall Blower
7	G2181	WB	WORM L.H-30011902	Wall Blower
8	G2183	WB	RAMP CAM-30013700	Wall Blower
9	G2184(a)	WB	RACK SQ MILL-30013800	Wall Blower
10	G2186	WB	WORM SHAFT-30015100	Wall Blower
11	G2187	WB	SPUR GEAR SHAFT-30015300	Wall Blower
12	G2191	WB	PRIMARY SHAFT-40025800	Wall Blower
13	G2203	WB	COVER-40001600	Wall Blower
14	G2205	WB	COVER-40012500	Wall Blower
15	G2208	WB	SHAFT COLLAR-40026100	Wall Blower
16	G2211	WB	LOCK NUT M20X1.5-40016600	Wall Blower
17	G2214	WB	CAM-40017800	Wall Blower
18	G2215	WB	CAM-40017900	Wall Blower
19	G2218	WB	WORM GEAR 30T-40018300	Wall Blower
20	G2219	WB	WORM GEAR-40018400	Wall Blower
21	G2220	WB	WORM GEAR LH-40018500	Wall Blower
22	G2221	WB	CUPPED PLUG-40019201	Wall Blower
23	G2222	WB	CUPPED PLUG-40019202	Wall Blower
24	G2223	WB	SPRING RETAINER-40019300	Wall Blower
25	G2224	WB	GUIDE ROD-40019500	Wall Blower
26	G2225	WB	PACKING GLAND-40019600	Wall Blower
27	G2227	WB	PLUG 3/8INCH NPT-40019900	Wall Blower
28	G2228	WB	AIR VENT (R1/4")	Wall Blower
29	G2230	WB	PIN-40023500	Wall Blower
30	G2235	WB	THRUST WASHER-40025000	Wall Blower
31	G2238	WB	FLAT WASHER-40013000	Wall Blower
32	G2239	WB	SPACER-40025403 style 3	Wall Blower
33	G2240	WB	SPACER-40025404 style 4	Wall Blower
34	G2241	WB	SPACER-40025401 style 1	Wall Blower
35	G2242	WB	SPACER-40025402 style 2	Wall Blower
36	G2243	WB	GEAR SPACER-40026000	Wall Blower
37	G2245	WB	UPPER ROLLER-40025600	Wall Blower
38	G2248	WB	SIN BRZ BUSH-40154800	Wall Blower
39	G2331	WB	RACK COVER W/O PAINT-20024300	Wall Blower
40	G2334	WB	MOUNTING ADAPTER-20003000	Wall Blower
41	G2336	WB	GUSSET PLATE-40015100	Wall Blower
42	G2337	WB	ALIGNMENT PLATE-40015200	Wall Blower
43	G2338	WB	SLEEVE TUBE	Wall Blower
44	G2342	WB	BOTTOM COVER W/O PAINT-20025700	Wall Blower

Wall Blower - List of Items in which machining sources are required on Job work basis

Annexure IV

S.No	Gr. No	Product Area	Component Description	Description of Valve/ Product (Used in)
45	G2343	WB	PIN-40159700	Wall Blower
46	G2344	WB	BASE PLATE-40159600	Wall Blower
47	G2443	WB	SPECIAL KEY-40114100	Wall Blower
48	G2493	WB	Orifice Plate	Wall Blower
49	G2495	WB	NIPPLE 1 1/2" NPT	Wall Blower
50	G2496	WB	NIPPLE G 1 1/2"	Wall Blower
51	G2498	WB	SLEEVE TUBE W/O NIPPLE	Wall Blower
52	G2499	WB	T-PIECE 3/8IN NPT-40065500	Wall Blower
53	G2500	WB	U-clamps	Skid Assembly
54	G2512	WB	CONNECTOR 3/8INC-40051902	Air Valve
55	G2504	Spares	1" NPT(F) SCREWED PIECE	FB
56	G2505	Spares	1" NPT(M) SCREWED PIECE	FB
57	G2506	Spares	3/4" NPT(F) SCREWED PIECE	FB
58	G2507	Spares	3/4" NPT(M) SCREWED PIECE	FB
59	G2586	Spares	TRACER U-CLAMP NB 10	Oil Skid
60	G2587	Spares	1" SW COUPLING	Oil Skid
61	G2588	Spares	SH 3.15X20X1000	Oil Skid

ALL DIMENSIONS ARE IN MILLIMETRES.

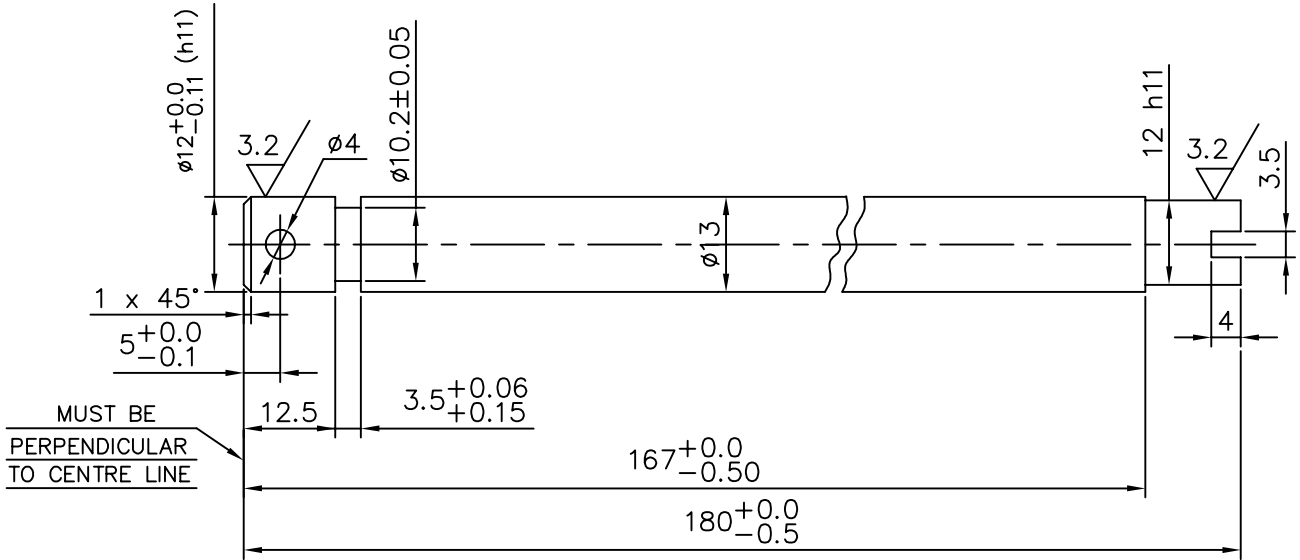
FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT QCP/QP

REV	DATE	ALTERED	K.S.
06	19.02.08	CHD & APPD	S.N.
h11 TOLERANCE $\begin{smallmatrix} 0.0 \\ -0.11 \end{smallmatrix}$ WAS $\begin{smallmatrix} 0.0 \\ +0.11 \end{smallmatrix}$			
DCN:SB: 901846 Dt. 19.02.2008.			

12.5 $\sqrt{\quad}$ (3.2 $\sqrt{\quad}$)

$\triangle 0.06$

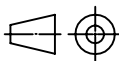
h11 $\begin{smallmatrix} 0.0 \\ -0.11 \end{smallmatrix}$



NOTES: —

- HEAT TREAT 34 TO 38 HRC
- FOR QUALITY REQUIREMENTS REFER LATESTAPPLICABLE QUALITY PROCEDURES.

PART CODE : 842000131400

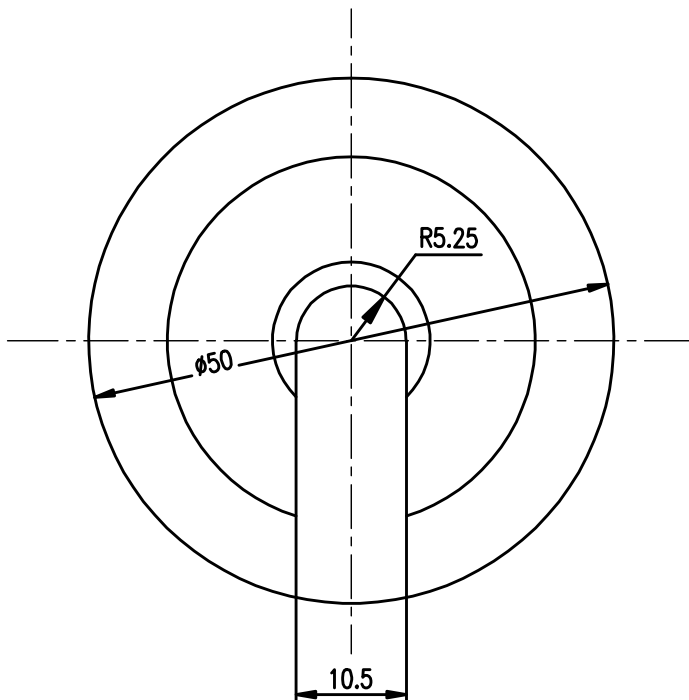
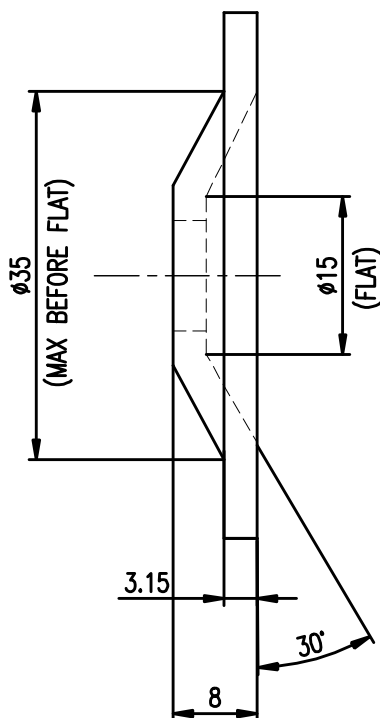
01	VALVE STEM ø28 x 180	15 024 256	SA182 F6aCl3			0.370			01	
NO OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No	
 BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI 620014.					DRN	NAME V.ARUMUGAM	SIGN V.A.	DATE 29.01.08	NO.OF VAR	
					CHD	K.SRIDHARAN	K.S.	29.01.08		
					APPD	S.NATARAJAN	S.N.	29.01.08		
DEPT SB			SCALE NTS	WEIGHT (KG). 0.370	REFERENCE INFORMATION S-35190				NO. OF ITEMS	
CODE 330										
TITLE VALVE STEM					CARD CODE U 01	DRAWING NO. 4-20-001-00063				REV 06

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ALL DIMENSIONS ARE IN MILLIMETRES.

FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT QCP/QP

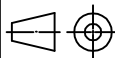
REV 02	DATE 2.12.09	ALTERED CHD & APPD	J.S K.S
DRAWING REDRAWN CONVERTED AS CAD DRG.			
DCN: SB: 800909/5009626			



NOTE :

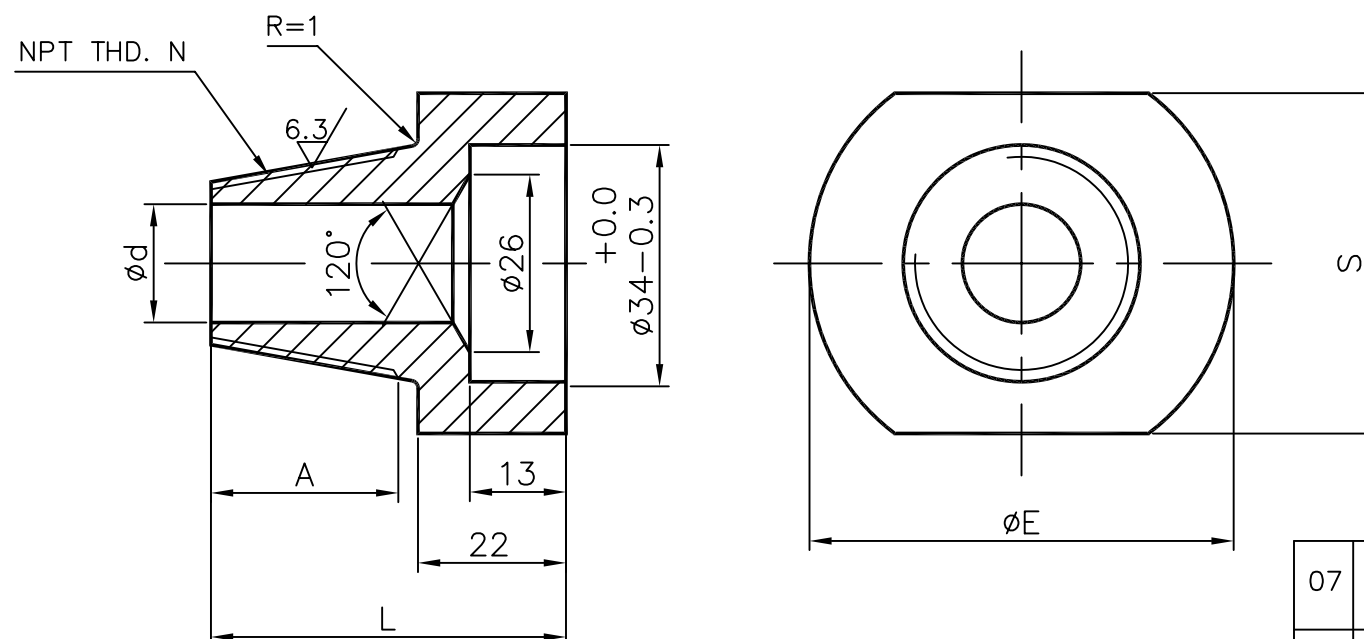
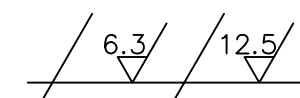
1. TO BE CADMIUM PLATED TO A THICKNESS 0.05 MM

PART CODE: 842020104800

01	SHEET 3.5MM	150111820000	IS1079-D			0.121			
NO OFF	DESCRIPTION	MATL CODE	MATL SPECN	HEAT TREATMENT	SCRAP SORT	NET WT (kg)	GROSS WT (kg)	DRAWING No	ITEM No
 BHARAT HEAVY ELECTRICALS LTD., UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI 620014. 365-127					DRN	NAME J.SANKAR	SIGN J.S	DATE 2.12.09	NO.OF VAR
					CHD	K.SRIDHARAN	K.S	2.12.09	
					APPD	K.SRIDHARAN	K.S	2.12.09	
DEPT SB		SCALE	NTS	WEIGHT (KG).	REFERENCE INFORMATION				NO. OF ITEMS
CODE 330				0.121	—				
TITLE				CARD CODE	DRAWING NO.				REV
SPRING RETAINER				U 01	4-20-201-00193				02

Size A4

FOR TOLERANCES OF UNTOLERANCED
DIMENSIONS DURING MANUFACTURE
REFER PLANT STD.NO TP 023 0299



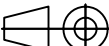
1. CHAMFER IS NOT REQUIRED FOR STYLE N005 TO 07.

STYLE	NPT THD.N	A	ød	L	øE	S
01	1/4"	15	8	40	47	41
02	3/8"	15	12	40	47	41
03	1/2"	20	15	45	47	41
04	3/4"	20	20	45	47	41
05	1"	25	26	50	47	41
06	1 1/2"	26	26	50	57	50
07	1 1/4"	26	26	50	58	50

07		SCREWED PIECE 1 1/4"NPT ROD D58 ; 50L			15 539 143	C		0.600		
					SA 105					
06		SCREWED PIECE 1 1/2"NPT ROD D57 ; 50L			15 339 143	C		0.590		
					SA 105					
05		SCREWED PIECE 1"NPT ROD D47 ; 50L			15 339 142	C		0.260		
					SA 105					
04		SCREWED PIECE 3/4"NPT ROD D47 ; 45L			15 339 142	C		0.230		
					SA 105					
03		SCREWED PIECE 1/2"NPT ROD D47 ; 45L			15 339 142	C		0.220		
					SA 105					
02		SCREWED PIECE 3/8"NPT ROD D47 ; 40L			15 339 142	C		0.200		
					SA 105					
01		SCREWED PIECE 1/4"NPT ROD D47 ; 40L			15 339 142	C		0.200		
					SA 105					
VARIANT NUMBER	ITEM NUMBER	DESCRIPTION	STD	DRAWING NUMBER	ITEM NO	MATERIAL CODE	A/C/P	UNIT	UNIT WEIGHT	CS
					VAR NO	MATERIAL SPECN		DI	QUANTITY	

REV 02	DATE 31/03/06	ALTERED : V.R.PRAKASH CHD & APPD: M.AN	REV 01	DATE 01.12.83	ALTERED : -Sd- CHD & APPD: -Sd-
ZONE	DRAWING REGENERATED IN AUTO CAD		ZONE	MACHINING SYMBOL ADDED	

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TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT								
 355-055		Bharat Heavy Electricals Ltd UNIT: HIGH PRESSURE BOILER PLANT TIRUCHIRAPALLI – 620014			DRN	NAME S.JOHN	SIGNATURE –Sd–	DATE 01.11.82
					CHD	R.MANO	–Sd–	31.10.96
					APPD	T.T.R	–Sd–	31.10.96
DEPT FS	ALL DIMENSIONS ARE IN MM		SCALE NTS	WEIGHT (Kg) Ref.BOM	REF TO ASSY / OLD DWG			
CODE 123								
TITLE S.W SCREWED PIECE NPT(M)x1”					DRAWING NO : 3-42-000-00873			REV 02