



## Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

An ISO 9001  
Company

CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

<b>ENQUIRY</b>	Phone: +91 431 257 79 38 Fax : +91 431 252 07 19 Email : <a href="mailto:tvenkat@bheltry.co.in">tvenkat@bheltry.co.in</a> Web : <a href="http://www.bhel.com">www.bhel.com</a>
----------------	---

	<b>Enquiry Number:</b>	<b>Enquiry Date:</b>	<b>Due date for submission of quotation:</b>
	<b>2620900025</b>	<b>22.01.2009</b>	<b>13.02.2009</b>
You are requested to quote the Enquiry number date and due date in all your correspondences. This is only a request for quotation and not an order			

Item	Description	Quantity	Delivery (Item required at BHEL on)
10	Suction Filter for Cooling Water Dia 8" (200 mm) as per the technical specification & commercial conditions applicable (to be downloaded from web site <a href="http://www.bhel.com">www.bhel.com</a> or <a href="http://tenders.gov.in">http://tenders.gov.in</a> )	2 Nos.	13.03.2009
20	Control Valve for Cooling Water Inlet and Outlet to Air Compressor as per the technical specification & commercial conditions applicable (to be downloaded from web site <a href="http://www.bhel.com">www.bhel.com</a> or <a href="http://tenders.gov.in">http://tenders.gov.in</a> )	6 Nos	13.03.2009
30	Non Return Valve as per the technical specification & commercial conditions applicable (to be downloaded from web site <a href="http://www.bhel.com">www.bhel.com</a> or <a href="http://tenders.gov.in">http://tenders.gov.in</a> )	2 Nos	13.03.2009
40	12" (300 mm NB) Gate Valve for Service Line as per the technical specification & commercial conditions applicable (to be downloaded from web site <a href="http://www.bhel.com">www.bhel.com</a> or <a href="http://tenders.gov.in">http://tenders.gov.in</a> )	1 No	13.03.2009
50	6" (150 mm NB) Gate Valve as per the technical specification & commercial conditions applicable (to be downloaded from web site <a href="http://www.bhel.com">www.bhel.com</a> or <a href="http://tenders.gov.in">http://tenders.gov.in</a> )	6 Nos	13.03.2009
60	8" (200 mm NB) Gate Valve as per the technical specification & commercial conditions applicable (to be downloaded from web site <a href="http://www.bhel.com">www.bhel.com</a> or <a href="http://tenders.gov.in">http://tenders.gov.in</a> )	20 Nos	13.03.2009



## Bharat Heavy Electricals Limited

(High Pressure Boiler Plant)

Tiruchirappalli – 620014, TAMIL NADU, INDIA

An ISO 9001  
Company

### CAPITAL EQUIPMENT / MATERIALS MANAGEMENT

Item	Description	Quantity	Delivery (Item required at BHEL on)
70	Control Valve at Tapping Point SS Ball Valve 1 inch as per the technical specification & commercial conditions applicable (to be downloaded from web site <a href="http://www.bhel.com">www.bhel.com</a> or <a href="http://tenders.gov.in">http://tenders.gov.in</a> )	250 Nos	13.03.2009
80	Control Valve for Moisture Drain in Comp. Air Drain 3/4 inch S.S. Ball Valve as per the technical specification & commercial conditions applicable (to be downloaded from web site <a href="http://www.bhel.com">www.bhel.com</a> or <a href="http://tenders.gov.in">http://tenders.gov.in</a> )	150 Nos	13.03.2009
<b>BHEL commercial terms &amp; conditions along with technical specifications can be downloaded from BHEL web site <a href="http://www.bhel.com">http://www.bhel.com</a> or from the Government tender website <a href="http://tenders.gov.in">http://tenders.gov.in</a> (public sector units &gt; Bharat Heavy Electricals Limited page) under Enquiry reference “2620900025”.</b>			
Tenders should reach us before 14:00 hours on the due date Tenders will be opened at 14:30 hours on the due date Tenders would be opened in presence of the tenderers who have submitted their offers and who may like to be present		Yours faithfully, For BHARAT HEAVY ELECTRICALS LIMITED  Manager / Capital Equipment / MM	

## **Specification for Tender Sl.Nos. 10 to 80**

### **Tender Sl.No.10: SUCTION FILTER FOR COOLING WATER Dia 8" (200mm)**

Spec. for the suction filter.

Cast steel full bore dia 8" (200mm) bucket type with filter element. Ends flanged to suit ANSI 16.5 CLASS 150.

FILTER ELEMENT SHOULD BE EITHER S.S. OR BRASS.

QTY: 2 NOS

=====

### **Tender Sl.No.20: CONTROL VALVE FOR COOLING WATER INLET AND OUTLET TO AIR COMPRESSOR**

SIZE 3 INCH (80mm NB) S.S. BALL VALVE

SPECIFICATION:

The ball valve (80mm NB) should be full port with flanged ends to suit class 150.

Hand lever operated 3 piece design.

Design Standard:- BS5351

Testing & Inspection Standard: BS6755

Only reputed make and IS certified will be accepted like Shenko, Legris, Casco.

Material of construction:

Body: STAINLESS STEEL

Ball and stem : S.S.304

Seat seals: PTFE.

QTY: 6 NOS

=====

### **Tender Sl.No.30: NON RETURN VALVES**

SWING CHECK TYPE NRV DIA 8 INCH (200mm NB)

Cast carbon steel swing check valve 8 inch. (200mm NB) Swing type disc carrier and disc suitable for vertical mounting.

Renewable integral seat. Seat and disc with 13% Cr.Steel hard facing metal seated full port with flanged ends to suit ANSI 16.5 CLASS 150.

MATERIAL OF CONSTRUCTION:

BODY COVER: ASTM A 216 GR – WCB

PIN: S.S. 410.

DESIGN & MFG.STD: API – 600
INSP.& TESTING STD: API – 598
FACE TO FACE STD : ANSI B- 16.10.

QTY: 2 NOS

=====

**Tender Sl.No.40: 12" (300mm NB) gate valve for service line**

**SPECIFICATION:**

Cast carbon steel gate valve (300mm NB) with Flanged ends to suit class 150.  
The valve should be hand wheel operated, rising stem, OS & Y type  
Renewable integral seat with 13% Cr.Steel hard facing. Solid flexible wedge  
TESTING STD: API 598.

**Material of construction:**

Body & Bonnet: ASTM A 216 –GR - WCB

Seat: WCB + 13% Cr.Steel

Wedge: As above.

Stem: SS A479 – 410 –1.

Stem nut: Al. Bronze.

Gasket: S.S. + Graphite

Note: One set of gasket to be supplied. As spare for each valve.

Only reputed make and IS certified will be accepted

The product should conform to IS 10611 – 1983 (Latest Revision)

QTY: 1 NO.

=====

**Tender Sl.No.50: 6" (150mm NB) gate valve**

**SPECIFICATION:**

Cast carbon steel gate valve (150mm NB) with Flanged ends to suit class 150.  
The valve should be hand wheel operated, rising stem, OS & Y type  
Renewable integral seat with 13% Cr.Steel hard facing. Solid flexible wedge  
TESTING STD: API 598.

**Material of construction:**

Body & Bonnet: ASTM A 216 –GR - WCB

Seat : WCB + 13% Cr.Steel

Wedge : As above.

Stem : SS A479 – 410 –1.

Stem nut : Al. Bronze.

Gasket : S.S. + Graphite

Note: One set of gasket to be supplied. As spare for each valve.

Only reputed make and IS certified will be accepted

The product should conform to IS 10611 – 1983 (Latest Revision)

QTY: 6 NOs.

=====

**Tender Sl.No.60: 8 INCH (200MM NB) GATE VALVE**

**SPECIFICATION:**

Cast carbon steel gate valve (200mm NB) with Flanged ends to suit class 150.  
The valve should be hand wheel operated, rising stem, OS & Y type  
Renewable integral seat with 13% Cr.Steel hard facing. Solid flexible wedge

TESTING STD: API 598.

Material of construction:

Body & Bonnet: ASTM A 216 –GR - WCB

Seat : WCB + 13% Cr.Steel

Wedge : As above.

Stem : SS A479 – 410 –1.

Stem nut : Al. Bronze.

Gasket : S.S. + Graphite

Note: One set of gasket to be supplied. As spare for each valve.

Only reputed make and IS certified will be accepted

The product should conform to IS 10611 – 1983 (Latest Revision)

QTY: 20 NOS

=====

**Tender Sl.No.70:      CONT ROL VALVE AT TAPPING POINT S.S. BALL VALVE 1 INCH**

SPECIFICATION.

THIS 1 INCH (25mm NB) BALL VALVE SHOULD HAVE FULL PORT SINGLE PIECE DESIGN.HAND LEVER OPERATED. ENDS SHOULD BE SCREWED TO 1 INCH BSP.PARELLAL THREAD.

THE VALVE SHOULD BE IN CONFORMANCE TO IS-9890-1981.

THE VALVE TESTING STD: IS-6517.

QTY: 250 NOS

IS certified valves will only be accepted

THE BALL VALVES SHOULD BE FROM REPUTED FIRMS LIKE

1.M/S. SHENKO VALVES, 2. M/S VOLTECH TEJAS VALVES.

3.M/S CASCO VALVES, 4. M/S. LEGRIS VALVES. 5. M/S FLOWJET VALVES.

=====

**Tender Sl.No.80:      CONTROL VALVE FOR MOISTURE DRAIN IN COMP. AIR DRAIN POINTS ¾ INCH S.S. BALL VALVE**

THIS ¾ INCH (20mm NB) S.S. BALL VALVE SHOULD BE FULL PORT SINGLE PIECE DESIGN HAND LEVER OPERATED ENDS SHOULD BE SCREWED WITH PARALLEL THREAD BSP. SEALS SHOULD BE PTFE.

THE VALVES SHOULD BE IN CONFORMATION TO IS-9890-1981.

THE VALVE TESTING STD: IS-6517.

QTY: 150 NOS

IS certified valves will only be accepted

PREFERABLE MAKE OF BALL VALVES: ¾ INCH (20mm NB).

THE BALL VALVES SHOULD BE FROM REPUTED FIRMS LIKE

1.M/S. SHENKO VALVES, 2. M/S VOLTECH TEJAS VALVES.

3.M/S CASCO VALVES, 4. M/S. LEGRIS VALVES. 5. M/S FLOWJET VALVES

=====