

BHARAT HEAVY ELECTRICALS LIMITED
INDUSTRIAL VALVES PLANT
GOINDWAL SAHIB
EXPRESSION OF INTEREST (EOI)

EOI No.: BHEL:IVP:BOX:EOI:01

Date: 06.03.2026

Bharat Heavy Electricals Limited (BHEL), IVP Goindwal invites **Expression of Interest (EOI)** from experienced manufacturers/suppliers of **Wooden Boxes** for obtaining industry inputs and feedback regarding costing variables and procurement methodology.

This EOI is being issued to:

- a. Reach out to the wood packaging material manufacturers who wish to participate in the procurement tenders issued from BHEL IVP Goindwal from time to time.
- b. To assess prevailing market practices and feasibility to suitably incorporate in tender terms and commercial conditions for future tenders.

2. ITEM DETAILS

Item Description: Wooden Boxes (Various Sizes & Configurations)

Application: Packing of industrial valves /components

The design and size of wooden boxes may vary (MIN) 670 x 670 x 500 (in mm), to (MAX) 4300 x 1520 x 1750 (in mm) as per present requirements. Various boxes have different dimensions as well as thickness of planks, reinforcement members, internal bracing to cater to various size/weight of the items being packed.

Interested manufacturers are requested to go through further details of packing boxes as per enclosed Drawing & Specification and prevailing tender terms and conditions including eligibility criteria/pre-Qualification Requirements, delivery requirements, payment terms etc. {Last Tender Enquiry No. 2425-061E Dated 14.12.2024, BHEL e-Procurement Tender ID 2024_BHEL_42992_1 (<https://eprocurebhel.co.in>), BHEL Website NIT No. 87304 (<https://tenders.bhel.com/archive-tenders>)}.

3. OBJECTIVE OF EOI

BHEL intends to gather extensive information on various factors influencing trade of wood and wood items (particularly packaging items viz; boxes).

This information may include getting to know about:

- a. any industry accepted and referred nationalised price index/indices;
- b. if the trading is conditioned by applying any PVC (Price variation clause) in long terms contracts,

- c. quantification of various input factors affecting the costing, and
- d. the trade norms (practical and industry aligned: whether per item piece wise or cubic ft/cubic metre wise).

Interested manufacturers are requested to go through all the above referred technical and commercial documents of previous tenders and contact us with following minimum details.

- Company profile with experience details
- Customers and contracts public domain information
- Costing elements, referred indices (if any), trading in CFT or per piece and whether operating any PVC for long term contracts. If operating PVC, the relevant formulae and illustrations.
- Any additional information for consideration in contracts.

Submission Mode: Through email at achingoyal@bhel.in & pranshu@bhel.in

Contact Details:

Sh. Achin Goyal
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Disclaimer/Please note following:

1. This EOI is issued for information of wooden packing boxes manufacturers to understand BHEL requirement for future tender participation and industry trading conditions purpose only.
2. This is not a tender and does not constitute any commitment for placement of order.
3. Any information shared with BHEL shall not be binding and inclusion in future tenders will be at sole discretion of BHEL.

For & on behalf of

BHEL – IVP Goindwal
(Authorized Signatory)

Suggestive format for contacting BHEL

(On Company Letterhead)

A. Details of the Firm

1. Name of Firm:
 2. Registered Address:
 3. Factory Address:
 4. Year of Establishment:
 5. Constitution of Firm:
 6. Contact Person:
 7. Designation:
 8. Mobile No.:
 9. Email ID:
 10. GST No.:
-

B. Experience Details

Sl. No.	Customer Name	Item Supplied	Order Value	Year	PO Copy Attached (Y/N)
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C. Using/referring any nationalised price index/indices: (Y/N)

Pl. mention the relevant website/agency contact details with few latest notifications.

C2. Using/Operating any PVC in long term contracts: (Y/N)

Pl. share few PVC with illustration.

Even if not using PVC, cost estimation factors having major impact on costing.

C3: Whether contracts are on per piece/CFT basis (Y/N)

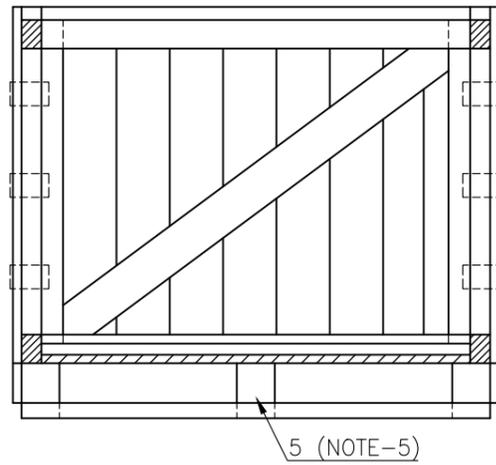
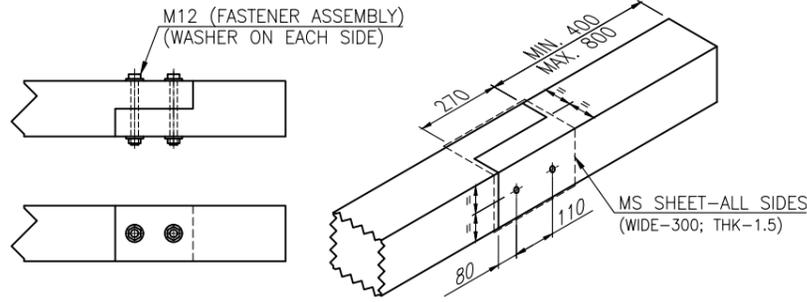
Given the BHEL product specs, your submission on whether CFT/per piece basis.

C4: Any additional information you would like to share.

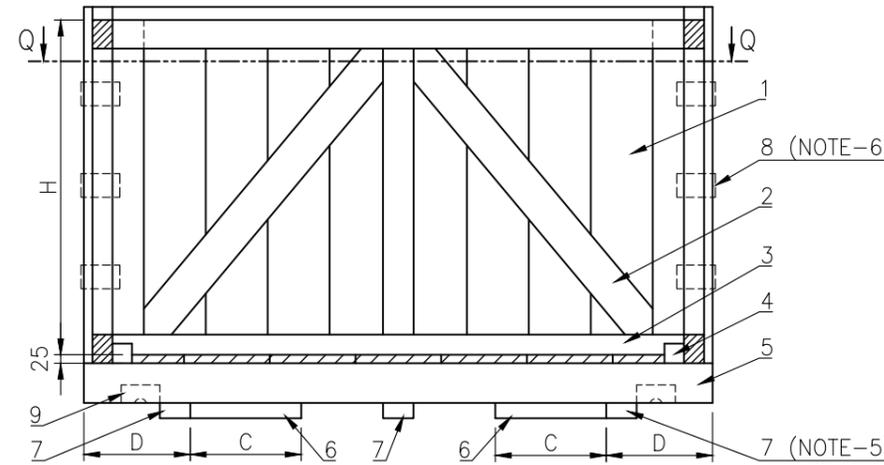
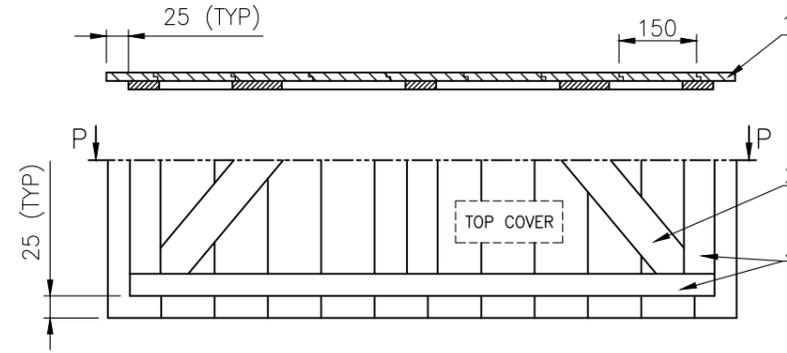
DRAWING NO.

RUNNER JOINT DETAILS

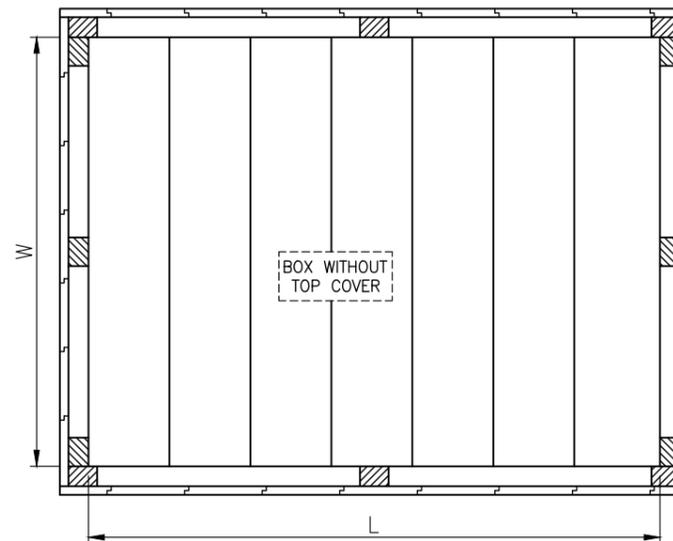
(REFER NOTE 7, 8, 9, 10)



SECTION - PP



SECTION - QQ



S.NO.	MATERIAL	BOX TYPE	DIMENSIONS (MM)					QUANTITY PER BOX				
			L	W	H	C	D	ITEM -4	ITEM -5	ITEM -6	ITEM -7	ITEM -8
1	GWB67035003	3A	670	670	500	-	200	2	2	2	-	8
2	GWB67035004	4	710	630	600	-	200	2	2	2	-	8
3	GWB67035005	5	850	630	670	-	200	2	2	2	-	8
4	GWB67035006	6	1000	770	670	-	200	2	2	2	-	8
5	GWB67035007	7	1100	430	670	-	200	2	2	2	-	8
6	GWB67035008	9A	1250	570	710	300	200	2	2	4	-	8
7	GWB67035009	10A	1300	770	850	300	200	2	2	4	-	8
8	GWB67035010	13A	1500	650	710	300	200	2	2	4	-	8
9	GWB67035011	14A	1850	700	710	300	200	2	2	4	-	8
10	GWB67035012	14B	1850	700	1050	300	200	2	2	4	-	12
11	GWB67035013	15	2000	800	800	400	200	2	2	4	-	12
12	GWB67035014	16	2134	915	1220	400	250	2	3	6	3	12
13	GWB67035015	16A	2743	1220	1070	400	250	2	3	6	3	12
14	GWB67035044	16C	2520	1210	1320	400	250	2	3	6	3	12
15	GWB67035047	16B	2743	1220	1525	400	250	2	3	6	3	12
16	GWB67035051	16D	2743	1400	1525	400	250	2	3	6	3	12
17	GWB67035052	17	4200	1420	1525	500	300	2	4	8	4	12

ITEM NO.	DESCRIPTION	SIZE (MM) / DETAILS	MATERIAL
1	SOFT WOOD PLANK	150 x 20 (S.NO. 1 TO 7) 150 x 25 (S.NO. 8 TO 17)	WOOD
2	DIAGONAL BRACE	75 x 25	WOOD
3	SOFT WOOD BATTENS	75 x 25	WOOD
4	END TRAVERSE BAR	50 x 50 (S.NO. 1 TO 10) 100 x 50 (S.NO. 11 TO 17)	WOOD
5	RUNNER	100 X 100	WOOD
6	RESTING BEAM	100 x 50	WOOD
7	CROSS BEAM	100 x 50	WOOD
8	SIDE PLATE	150 x 100 x 1.5	M.S. SHEET
9	SLING PLATE	150 x 100 x 1	M.S. SHEET

NOTES:

- TO AVOID RAIN WATER ENTRY, ALL INNER SIDES EXCEPT BOTTOM SHALL BE FULLY COVERED BY POLYTHENE FILM (REFER LATEST APPLICABLE TDC).
- SECURE THE ASSEMBLIES WITH ENOUGH SIDE SUPPORTS TO AVOID MOVEMENT OF ASSEMBLIES DURING TRANSIT.
- ITEM-6 MUST BE PROVIDED BELOW EACH RUNNER.
- UNDER EACH RUNNER, ITEM-6 IS SINGLE & CONTINUOUS (FOR S.NO. 1 TO 5) AND SPLIT (FOR S.NO. 6 TO 17).
- ITEM-5 & 7 SHALL BE AT EQUAL SPACING (FOR S.NO. 12 TO 17).
- ITEM-8 IS 2 NOS. (FOR S.NO. 1 TO 9) AND 3 NOS. (FOR S.NO. 10 TO 17) AT EACH VERTICAL CORNER.
- IF REQUIRED, RUNNER JOINT ACCEPTABLE (FOR S.NO. 13 TO 17) ONLY.
- FOR EACH RUNNER, MAXIMUM 1 JOINT (FOR S.NO. 13 TO 16) AND 2 JOINTS (FOR S.NO. 17), ARE ACCEPTABLE.
- JOINTS IN ADJACENT RUNNERS SHALL NOT BE ON SAME SIDE OF BOX.
- ONE FASTENER ASSEMBLY CONSIST OF 1 HEX. BOLT, 2 NUTS, 2 WASHERS AND MUST BE FULLY TIGHTENED.

REV	DATE	ALTERED	SAMEER	REV	DATE	ALTERED	SAMEER
17	11.08.23	CHD & APPD	RAVINDER SINGH	16	27.07.23	CHD & APPD	RAVINDER SINGH
ZONE		1. NOTES UPDATED. 2. TABLE MODIFY FOR ITEM-6.		ZONE		1. RUNNER JOINT DETAILS ADDED. 2. NOTES UPDATED. 3. TABLES UPDATED.	

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.

SL No.	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 CS									
BHARAT HEAVY ELECTRICALS LTD. UNIT: INDUSTRIAL VALVE PLANT. GOINDWAL SAHIB - 143422.				DRN	NAME	SIGN	DATE	NO.OF VAR.	
				CHD	RAVINDER SINGH	R.S.	06.01.14		
				APPD	RAKESH KUMAR	R.K.	06.01.14		
DEPT	365-120	SCALE	NTS	WEIGHT (KG).	REFERENCE INFORMATIONS				
CODE					DRAWING NO.				
TITLE					CARD CODE	REV			
PACKING BOX (WOOD)					U 01	2-SH-BW-022			17



BHEL –IVP-Goindwal
Quality Department
Technical Delivery Conditions

DOC NO TDC:WOODENBOX:
Rev:06
Rev date: 18.08.2018

Product: : Assembled Wooden boxes and loose wooden planks

1. General:

This TDC lays down instructions for supply of assembled wooden boxes and loose wooden planks at industrial valves plant for transportation of the valves/wall blowers/Loose Components & other finished products.

2. Wood Species:

The following wood species can be used for Wooden boxes/planks:

Coniferous Wood:

Trade Name	Botanical Name
Fir	Abies pindrow
Deodar	Cedrus deodara
Chir	Pinus roxburghil
Kali	Pinus wallichians
Khasi Pine	Pinus khasya
Spruce	Picea smithiana boiss

Non Coniferous Wood:

Trade Name	Botanical Name
Rubber wood	Hevea brasiliensis
Salai	Boswellia serrata
Bahera	Terminalia bellirica
Jaman	Syzygium cumini
Lendi	Lagerstroemia parviflora
Mango	Hangifera indica
Machilus(Kalamavu)	Machilus macrantha
Irul	Xylis xylocarpa
Irulbaken	Hopes
Karumarudu	Terminalia tomentosa
Murtenga	Bursera serrata
Nangal	Mesua ferrea
Pillamarudu	Terminalia panicutala
Sal	Shorea Robusta

Any other species of wood as per Groups I, II of IS 6662 will also be accepted.



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3. Compliance With Standards:

Assistance has been derived from the following standards in the preparation of this specification.

BHEL Corporate Packing Standard No.. : AA 51402 for non-coniferous wood

BHEL Corporate Packing Standard No.. : AA 51401 for coniferous wood

IS 1326-1992: Non-Coniferous Sawn Timber (Baulks & Scantling)

IS 5966-1993: Non-Coniferous Timber in Converted Form for General Purposes

IS: 190 – 1991 Grade I:Coniferous Sawn Timber (Baulks & Scantling)

IS: 6662 – 1993 : Timber Species Suitable For Wooden Packaging Groups I & II

4. Requirements:

- 4.1 Wooden boxes shall be duly provided with a 70 GSM (Colourless/Transparent) Multi Layered Cross Laminated Polythene Film Specification No: AA51420 on inner surface of four sides of box & inner surface of top cover using blue nails to protect the valves from outside rain water or condensing moisture. The length of blue nails shall be 16mm.
- 4.2 Wherever 2 pieces of Cross laminated poly film are used, the joint shall have an overlap of minimum 20 mm. The film used for top cover shall project outside on 4 sides by at least 100 mm and shall be nailed properly on sides. The film is not required for the base of the boxes.
- 4.3 Corner plates and sling plates made of mild steel sheet measuring as per drawing shall be used.
- 4.4 Two consecutive planks shall be joined by lap joint as per drawing.
- 4.5 The dia. of the nails shall be 3.15mm. The length of the nails shall be 65mm wherever two planks of 25mm thickness are joined and 85mm wherever a 25mm planks is joined to a 50mm plank. The extra length of nail after nailing in both planks shall be bend properly. Nailing should be done in such a way that head of nail shall be outside the box. Distance between any two nails shall not be more than 100mm.

5. Dimensions and Tolerances:

Width, thickness and length of all components of wood used in wooden boxes shall be as specified in drawing/Purchase Order. Dimensional tolerances shall be as follows:

Width: +/- 5mm

Thickness : +2/-1 mm (for thickness less than 20 mm)

+3/-1 mm (for thickness \geq 20 mm)

Length: +/- 2% of total length or 25 mm whichever is lower.



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6. Moisture Content:

The timber shall have moisture content as stated below within a depth of 15mm from the surface excluding a length of 300 mm from each end at the time of inspection. The moisture content will be determined in accordance with IS: 287

October to June : 30%
July to September (Rainy season) : 40%.

7. Permissible Defects:

- 7.1 Brushness, splits across the grains, shakes, cups, twist, insect attack, centre heart in planks are the defects which are not acceptable.
- 7.2 **Bow:** Shall be permissible upto a maximum of 2mm for 300mm
- 7.3 **End Splits:** The largest end splits at each end shall be measured and the length added together. The added lengths of these shall not exceed 60 mm per meter run of the piece.
- 7.4 **Live / Dead Knots:** A maximum of 5 Knots/m length are permissible; however, the knots shall not be so grouped or located as to affect the strength of the piece. Knots above 35mm. diameter are not permissible. Major axis of the knot shall be taken as the diameter of this knot.
- 7.5 **Surface Cracks:** Surface cracks with a depth of 10% subjected to maximum of 10 mm are permissible. A continuous crack of any depth all along the length is not permissible.

8. Certificate:

The supplier shall furnish a certificate with each lot/consignment in support of the species of the wood, moisture content, size of the nails used, GSM of polythene used, dimension report of one piece per type per lot and any special information which the tenderer feel is essential for the quality of the packing boxes.

9. Identification and Marking:

The boxes shall be marked/painted in order to identify the source of supply on one of two small side faces.

- SUPPLIER NAME:
- BOX TYPE:
- BOX SERIAL NO.:
- SUPPLIER INVOICE NO.:

Following marking has to be done using paint/ink & stencil on one long side face-

- CONSIGNEE :
- INVOICE NO.:
- OA NO./WO. NO.:



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- CASE NO.:
- MATERIAL/QTY:
- WEIGHT:
- FROM :BHEL/GOINDWAL/TARN TARAN

The ink shall be non-fading/indelible and non-washable by water.

Loose planks supplied by supplier as per PO shall be done colour coding on one end as per colour allotted to supplier.

10. Inspection: Supplier shall submit inspection report as per below format for one box of each type per lot of supply:

Inspection Format for wooden boxes and planks:									
Date of inspection:					Box inspection format no: Wooden box insp:001				
Supplier name									
Supplied batch details									
Observed dimensions									
Box type	L	W	H	C	D	Dimension	LENGTH	width	Thickness
						Plank			
						Resting Beam			
						others			
SN	Type of check			Remarks					
1	Polythene film								
2	Corner and sling plates								
3	Planks overlapping								
4	Moisture content								
5	Size of nails used								
6	Defect details (If found above permissible limit as per clause No. 7)								
7	Identification and Marking								
8	Other remarks(If any)								



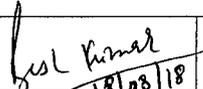
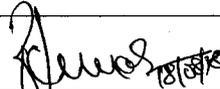
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11. AUDIT CHECKS AT BHEL:

BHEL reserves the right to carry out audit checks for wood species, polythene film confirmation to standard, nails size, Corner & Sling plate material & dimension, planks & overall box dimensions. Items found defective during check at BHEL will be rejected.

 18/08/18	 18/08/18	 20/8/18	 18/08/18	 20/8/18
Vikas Kumar	Rajesh Kumar	Harpreet Rai	Rakesh Kumar	S R Kenny
Sr. Engr/QM	Dy Mgr/CML	Sr DGM/CML	Sr DGM/MM	AGM/QM &HSE
Prepared by		Reviewed by		Approved by