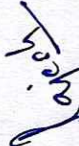


S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	ACTION BY VENDOR	OFFERED	DEVIATIONS	REMARKS
11.0	QUALIFYING CONDITION :				
11.1	The vendor should be an Original Equipment Manufacturer (OEM) and must have supplied at least one similar type of winding mould (minimum diameter : 1500 mm or above, minimum length of mould : 2000 mm or above and minimum variability in diameter : 400 mm) for transformer industry during past ten years (from the tender opening date) and such supplied winding mould is working satisfactorily for more than one year after commissioning/acceptance.	VENDOR TO CONFIRM & FURNISH			
11.2	Following information is to be submitted by the bidder about the companies where such winding mould have been supplied. This is required from all the vendors for qualification of their offer .				
11.2.1	Un-priced purchase order copy of earlier supplied winding mould in line with clause 11.1.	VENDOR TO FURNISH			
11.2.2	Complete postal address of the customer.	VENDOR TO SPECIFY			
11.2.3	Month & Year of commissioning.	VENDOR TO SPECIFY			
11.2.4	Details of equipment supplied & application for which it is used.	VENDOR TO SPECIFY			
11.2.5	Name and designation of the contact person of the customer.	VENDOR TO SPECIFY			
11.2.6	Phone and email address of the contact person of the customer.	VENDOR TO SPECIFY			
11.2.7	Performance certificate from the customer (in the name of bidder) regarding satisfactory performance of the equipment (as detailed above) supplied to them. The Performance Certificate should be recently issued (i.e. its date of issue should not be more than 1 year old than from the tender opening date).	VENDOR TO FURNISH			
11.2.8	Financial standing through latest I.T.C.C annual report (balance sheet, profit & loss statement and ITR) of last 3 years ending 31st march.	VENDOR TO FURNISH			
11.2.9	BHEL reserves the right to verify information submitted by vendor. In case the information is found to be false / incorrect, the offer shall be rejected.	VENDOR TO NOTE & CONFIRM			


DEVENDRA SINGH
Sr. Engineer (TRM)


RAJESH KUMAR
Manager (TRM-NTB)


RAJUL AGRAWAL
DGM (TRX)

S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	ACTION BY VENDOR	OFFERED	DEVIATIONS	REMARKS
4.0	STAGE INSPECTION : Stage inspection shall be arranged by the vendor before despatch of item as given below :	VENDOR TO CONFIRM			
	STAGE - I (COMPONENTS) : Dimensional check of component after fabrication and verification of certificates.	VENDOR TO CONFIRM			
	STAGE - II (ASSEMBLY) : Final assembly inspection for dimensions. Diameter variation (as per the prescribed sizes) and smooth movement of operation & other relevant checks at the supplier's works. Circularity/Roundness, verticality & other relevant checks at the supplier's works.	VENDOR TO CONFIRM VENDOR TO CONFIRM VENDOR TO CONFIRM			
5.0	PROVEOUT : Inspection at supplier's works on advance intimation to BHEL. However, final prove - out will be done at BHEL works while taking trial on winding machine. Proveout of the mould will be completed only after successful winding work of three jobs.	VENDOR TO CONFIRM			
6.0	PACKING : Standard and rigid packing for all the items to avoid any damage/loss and dust during transit.	VENDOR TO CONFIRM			
7.0	GUARANTEE : 18 months from the date of acceptance.	VENDOR TO CONFIRM			
8.0	PAINTING : Sand blast and two coat of primer & two coat of golden yellow enamel finish paint on non-sliding portion of the mould after cleaning by wire brush & two coat of varnishing on permawood battens after machining.	VENDOR TO CONFIRM			
9.0	GENERAL : Total weight of winding mould assembly. Detailed General Arrangement Drawing of offer winding mould assembly and accessories/attachments should be submitted with offer. circumferential turning of the mould (battens) on lathe to maintain the circularity/roundness at minimum, maximum and mean diameter.	VENDOR TO SPECIFY VENDOR TO FURNISH VENDOR TO CONFIRM			
10.0	DELIVERY Vendor to confirm 8 weeks delivery from the date of drawing approval otherwise offer will be rejected.	VENDOR TO CONFIRM			

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S.NO.	DESCRIPTION FOR BHEL REQUIREMENT	ACTION BY VENDOR	OFFERED	DEVIATIONS	REMARKS
1.0	PURPOSE & WORKPIECE MATERIAL				
1.1	Variable diameter collapsible type winding moulds are used to make power transformers & reactors coils made of Paper Insulated Copper Conductors (PICC) / Continuously Transposed Conductors (CTC). These conductors are wound on the winding machine around a circular variable dia., collapsible mould made of permawood battens. The diameter of collapsible winding moulds is adjusted in between the minimum & maximum limits depending upon the required size of coil. The adjoining surfaces of top & bottom plates contain the grooves to facilitate the collapsibility of moulds.	VENDOR TO NOTE			
1.2	Quantity : 1 No.	VENDOR TO NOTE			
2.0	SPECIFICATION:				
2.1	Mould construction : The moulds are mounted on the vertical or horizontal winding machines for making transformer coil winding. The vertical & horizontal winding machines comprise of rotary table moving around vertical or horizontal axis respectively at required rpm.	VENDOR TO NOTE			
2.2	TECHNICAL SPECIFICATION OF MOULD:-				
2.2.1	Minimum diameter : 1800 mm	VENDOR TO CONFIRM			
2.2.2	Maximum diameter : 2350 mm	VENDOR TO CONFIRM			
2.2.3	Mould height : 3600 mm	VENDOR TO CONFIRM			
2.2.4	batten material : permawood or nylon	VENDOR TO CONFIRM			
2.3	BOTTOM PLATE :				
2.3.1	Material : Black steel	VENDOR TO CONFIRM			
2.3.3	Required capability of bottom plate without any deflection : 30 tonnes	VENDOR TO CONFIRM			
2.3.4	On placement of PO vendor will be given the drawing of bottom plate by BHEL, in addition to it vendor to visit BHEL works to understand the mounting arrangement of the moulds.	VENDOR TO CONFIRM			
2.3.5	Details of bush on the bottom plate : 75 mm dia bush shall be provided in the centre of bottom plate (on the lower side) for centrally locating the mould on the adaptor. The bottom end of bush shall have a chamfer of 5 mm for easy entry in the adaptor hole.	VENDOR TO CONFIRM			
2.4	TOP PLATE :				
2.4.1	Material : Black steel	VENDOR TO CONFIRM			
2.4.2	Top plate dia. : The diameter of top plate shall be slightly less than the minimum diameter of the mould for easy removal of winding from the mould.	VENDOR TO CONFIRM			
2.4.3	Top plate holes details : The top plate shall have 4 holes (90 degrees apart) for fixing the eye bolts capable of lifting the mould alongwith the coil of maximum 15 tonnes.	VENDOR TO CONFIRM			
3.0	DRAWING APPROVAL :				
	Vendor to furnish the Assembly Drawing & all the detailed drawings with BOM of mould for BHEL approval within 14 days of po placement.	VENDOR TO CONFIRM			

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BHARAT HEAVY ELECTRICAL LIMITED



UNIT'S ADDRESS:

Enquiry No. :

Due Date :

CONTACT PERSON'S NAME/DESIGN./PHONE NO./E-MAIL (FROM PURCHASE DEPTT.)

Supplier Qtn.

No.:

**SPECIFICATION CUM COMPLIANCE CERTIFICATE FOR VARIABLE DIAMETER COLLAPSIBLE TYPE WINDING
MOULD ASSEMBLY**

NOTE:-

1. Vendor must submit complete informations / documents against clause no. 11.0 (Qualifying Condition). The offer meeting this clause would only be processed.
2. Vendor to furnish the offer using this standard template of the specification. While furnishing the offer, no change is to be made in the first three columns (i.e. 'S.NO.', 'DESCRIPTION FOR BHEL REQUIREMENT' & 'ACTION BY VENDOR'). Only the "Offered" column and where applicable, the "Deviations" & "Remarks" Column of this format shall be filled in by the Vendor and submitted along with the offer. Inadequate / incomplete, ambiguous, or unsustainable information against any of the clauses of the specifications/requirements shall be treated as non-compliance.
3. The offer and all documents enclosed with offer should be in English language only.
4. Vendor should confirm/clarify/specify pointwise (all the points) as per specification and provide original technical leaflet, technical details, photograph, scope of supply etc. at the first instance.

NAME & ADDRESS OF THE SUPPLIER :

TELEPHONE NOS.:

FAX NOS.:

E-MAIL ADDRESS :

NAME & ADDRESS OF THE INDIAN AGENT :

TELEPHONE NOS.:

FAX NOS.:

E-MAIL ADDRESS :

SCOPE: DESIGN, MANUFACTURING AND SUPPLY OF VARIABLE DIAMETER COLLAPSIBLE TYPE WINDING MOULD ASSEMBLY COMPLYING WITH SPECIFICATIONS AS BELOW :

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