

<b>BHARAT HEAVY ELECTRICAL LIMITED</b>		<b>Enquiry No. :</b>	
<b>UNIT'S ADDRESS:</b>		<b>Due Date :</b>	
<b>CONTACT PERSON'S NAME/DESIGN./PHONE NO./E-MAIL (FROM PURCHASE DEPTT.)</b>		<b>Supplier Qtn. No.:</b>	
		<b>Date :</b>	
<b>SPECIFICATION CUM COMPLIANCE CERTIFICATE OF VACUUM PRESSURIZED IMPREGNATION PLANT</b>			
<b>TEX/EOI/LEM VPI/25-26/01</b>			
<b>NOTE:-</b>			
1. Vendor must submit complete information against clause no. 3 (Qualifying condition). The offer meeting this clause would only be processed.			
2. The "Offered" and where application, 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 specification/requirements shall be treated as non-compliance			
3. The offer and all documents enclosed with offer should be in English language only.			
<b>NAME &amp; ADDRESS OF THE SUPPLIER :</b>		<b>NAME &amp; ADDRESS OF THE INDIAN AGENT :</b>	
<b>TELEPHONE NOS.:</b>		<b>TELEPHONE NOS.:</b>	
<b>FAX NOS.:</b>		<b>FAX NOS.:</b>	
<b>E-MAIL ADDRESS:</b>		<b>E-MAIL ADDRESS:</b>	
<b>SCOPE: SUPPLY, ERECTION &amp; COMMISSIONING OF NEW VACUUM PRESSURIZED IMPREGNATION PLANT</b>			
SL. NO	DESCRIPTION OF BHEL REQUIREMENT	OFFERED	REMARKS
1	<b>EQUIPMENT DETAILS:</b> The VPI plant shall be complete with the following major parts		
	(i) <b>Horizontal Impregnation Chamber-1</b> No , Capacity: 46000 litre , Length 7 meter, Diameter:2.9 meter. <b>Vertical Impregnation Chamber.- 1</b> No , Capacity 75000 litre ,Length 4 meter,Diameter:4.9 meter	Vendor to confirm	
	(ii) Resin Storage Tank.-3 Nos,Each capacity of 15kl,(Combined Storage System For Vertical and Horizontal Impregnation System)	Vendor to confirm	
	(iii) Compressed Air System-1 Set,(Combined Compressed Air System For Vertical and Horizontal Impregnation System)	Vendor to confirm	
	(iv) Vacuum Pumping System-Separate Vacuum Pumping System For Vertical and Horizontal Impregnation system and standby Pumping System Common For Both the system (Nos of vacuum pump required for maintain vacuum into impregnation tank and resin storage tank and Nos of spare pump )	Vendor to confirm and specify the make	
	(v) Brine Heating and Circulation System	Vendor to confirm	
	(vi) Cooling Water (Tower) plant - 1 No	Vendor to confirm	
	(vii) Brine Chilling Plant - 1 No	Vendor to confirm	
	(viii) Control panel (PLC & SCADA) - 1 Set	Vendor to confirm	
	(ix)(a) Motorized trolley and associated accessories required for movement of the job(s), placed in Impregnation Trolley, into and out of the Horizontal Vacuum Impregnation Chamber.	Vendor to confirm	
	(b) Control panel for operating the trolley must be provided near to the horizontal impregnation tank.	Vendor to confirm	
	(x) Hydraulic system, Pneumatic control air system	Vendor to confirm	

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 Addl. General Manager / LEM Division  
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 Sr. Manager  
 Addl. General Manager / TEX Division  
 BHEL, BHOPAL

SL. NO	DESCRIPTION OF BHEL REQUIREMENT	SPECIFIED TO BE CONFIRMED BY	OFFERED	DEVIATION	REMARKS
	(xi) Erection material eg pipes, fittings, insulation material, electrical control and power cable etc. NOTE- In case the vendor desires to get a components such as Impregnating vessel, Resin storage tanks, Manufacturing/Erection etc. done by the sub vendors (of shore as well as On shore) this should be clearly spelt out in their offer. The sub vendors so selected should have the relevant experience in the manufacture of similar size & rating of Impregnation vessels, Storage tanks and should have carried out the Erection of a similar Installation before Documentary proof of such experience shall be submitted in the form of Purchase order copies and Performance certificates .	Vendor to confirm			
2.00	<b>CONSTRUCTION:</b>				
2.1	The plant shall be designed and constructed in line with requirements of standards for vacuum and pressure operation. The plant shall be capable of being operated continuously. The design and construction shall include the safe operation of the equipment as well as safety for the operators.	Vendor to confirm			
2.2	All pumps, motors, controls, piping, thermal insulation, fittings, instrumentation, valves, gauges, interconnecting cabling/wiring etc, required for the various components of the plant should be included (Complete details and schematic diagram of the plant should be furnished). Battery limits for the plant should be clearly mentioned	Vendor to confirm			
3.00	<b>QUALIFYING CONDITION</b>				
3.1	The vendor must be an Original Equipment Manufacturer (OEM)	Vendor to confirm			
3.2	The vendor must have supplied and commissioned at least one number Vacuum Pressurized Impregnation plant with impregnation tank capacity of <b>75000 Litres and diameter 4.9 meters or higher and resin storage tank with useful resin storage capacity of 15000 litres or higher per tank, for similar applications in the past 10 years</b> (on the date of opening of Tender) and referred VPI plant is presently working satisfactorily for more than one year after commissioning (on the date of opening of Tender). Vendor should submit proof of the same.	Vendor to confirm			
3.3	The vendor premises must be approved for pressure vessel manufacturing.	Vendor to confirm			
4	<b>(C) OTHER QUALIFICATION REQUIREMENTS (TO BE NECESSARILY SUBMITTED AT THE TIME OF FINAL TENDERING)</b>				
4.1	<p>NOTES</p> <p>1. Indian VPI Plant manufacturers who do not meet the qualifying criteria as mentioned in sub clauses 3.2, can be considered, if</p> <p>a) They have running Collaboration/ Joint Venture/ Joint Working Arrangement with a foreign partner who meets all of the qualifying criteria as mentioned in sub clauses 3.1 to 3.3.</p> <p>b) The Indian VPI Plant manufacturer should have supplied and commissioned at least one such machine (Refer clause 3.2) after Collaboration/ Joint Venture/ Joint Working Arrangement.</p> <p>c) The Indian VPI Plant manufacturer shall submit from their foreign partner a back to back guarantee for performance of the machine.</p> <p>2. BHEL reserves the right to assess the OEM with respect to their technical and financial capability. In respect of Indian VPI Plant manufacturers as noted above, BHEL reserves the right to assess the Indian Vendor &amp; their foreign Partner with respect to their technical and financial capability.</p>	Vendor to confirm			

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SL. NO	DESCRIPTION OF BHEL REQUIREMENT	SPECIFIED TO BE CONFIRMED BY	OFFERED	DEVIATION	REMARKS
4.2	<b>Financial PQ:</b> Vendor should have average turnover of Rs..... minimum for last 3 consecutive years ending March 2025, vendor to submit latest I.T.C.C, Annual Report (Balance sheet and Profit & Loss account of last three years, shall be furnished as documentary evidence. In case of Foreign Bidder Annual report financial report from reputed agencies such as D & B/credit reform/ Experian report etc required.  <b>For MSME &amp; Start Ups:</b> Only financial PQC relaxation to be given to MSMEs and Startup vendors. No Financial PQC required for MSME and Start ups.	Vendor to confirm			
4.3	The following information should be submitted by the vendor about the companies where same or higher sizes machine(s) as per clause 3.2 have been supplied and installed. This is required from all the vendors for qualification of their offer.	Vendor to confirm			
4.3.1	Name of the company(s) where referred machine is installed.	Vendor to specify			
4.3.2	Complete postal address of the company(s).	Vendor to specify			
4.3.3	Year of commissioning	Vendor to specify			
4.3.4	Brief specification of the machine(s) supplied .	Vendor to specify			
4.3.5	Name and designation of the contact person of the company(s).	Vendor to specify			
4.3.6	Phone and email address of the contact person of the company(s).	Vendor to inform			
4.4	The Performance Certificate should be recently issued (i.e. its date of issue should not be more than 1 year old from the tender opening date). Performance certificate of the machine whose PO submitted in clause 3.2 from the customers regarding satisfactory performance of machine supplied to them (Original Certificate or through Email directly from the customer ). The original performance certificate may be returned after verification by BHEL , if required.  Note: Vendor to indicate clearly the Purchase Order (PO) Number, PO Date and Date of Commissioning of the machine on the performance certificate.	Vendor to confirm			
4.5	BHEL reserves the right to assess the OEM or the authorized Dealer of the OEM, with respect to their technical and financial capability (As per the information provided in clauses 4.1 to 4.4).	Vendor to Note			
5	BHEL reserves the right to verify the information provided by the Vendor for the referred machine at their referred customer's works including machining accuracies. It shall be the responsibility of the vendor to facilitate the visit of BHEL's team at their referred customer works .The Travel and Boarding expenses for BHEL Personnel shall be borne by BHEL. In case the information provided by vendor is found to be false/incorrect the offer shall be rejected.	Vendor to Note & confirm			

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