





**BHARAT HEAVY ELECTRICALS LIMITED**  
**Heavy Power Equipment Plant, Ramachandrapuram,**

**Specifications of DEAD WEIGHT TESTER**


E&amp;I Labs P003

Clause No	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED BY VENDOR	DEVIATIONS	REMARKS
1	<b>Purpose:</b> Dead weight Tester operated by piston-cylinder system for calibration of pressure gauges, pressure transducers and pressure switches.			
	<b>Scope:</b> The offer shall cover following items:			
2	Dead weight Tester with range 1-1200Kg/cm <sup>2</sup>			
	<b>SPECIFICATIONS OF Dead Weight Tester</b>			
3	<b>Range :</b> 1-1200 Kg/cm <sup>2</sup>			
4	<b>Accuracy:</b> Equal to or better than $\pm 0.015\%$ of reading.			
5	<b>Version:</b> Hydraulic base.			
6	<b>Pressure medium:</b> Mineral oil.			
7	<b>Mass set:</b> Standard mass set- made from non-magnetic stainless steel and optimized for every day use.			
8	Standard mass set shall have all the required weights for calibration of gauges in the range 1-1200 kg/cm <sup>2</sup> with smallest step weight of 0.5kg/cm <sup>2</sup> or better and smallest fractional weight of 0.01Kg/cm <sup>2</sup> or better.			
9	Supplier shall provide standard test adaptors of sizes B.S.P.or N.P.T. 1/8", 1/4", 3/8", 1/2" for suitable connection of test equipments.			

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10	Operating temperature range: 16°C to 40°C			
11	Calibration Certificate issued by calibration agency shall be traceable to National standards. Calibration certificate covering minimum and maximum points (Minimum 4 point calibration with in range) shall be supplied.			
12	Suitable protective carrying case/cases shall be provided by the supplier for various parts of the Dead Weight Tester like mass set, piston-cylinder system and instrument base etc. to facilitate easy transportation of the equipment.			
13	Dead weight Tester shall be supplied with four adjustable feet for levelling.			
	<b>General requirements:</b>			
14	Commissioning and proving of system is to be done at BHEL.RC Puram Hyderabad free of cost.			
15	The equipment should be guaranteed in respect of design, Material construction,operation and against any manufacturing defects for a period of 24 months, from the date of supply or 18 months from the date of commissioning, whichever is later and 4 copies of guarantee certificates are to be furnished.Free after sales service is to be provided during the guarantee period.			
16	Supplier shall provide two sets of Operation and Service Manual indicating detailed operating procedure and calibration procedure.			

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17	Rigid packing for all items of complete equipment, all accessories and other supplied items to avoid any damage / loss in transit.			
18	The supplier shall provide training to the staff on detailed operation of the equipment at BHEL RC Puram, Hyderabad			
19	Supplier shall enclose the leaflets /Datasheet having detail specification, Model No & Manufacturers Name, and Items quoted.			
20	Equipment should meet all points of our above specification and bidders must furnish point to point replies against the points of our above specification failing which their offer may not be considered.			
	<b>QUALIFYING CONDITIONS :</b>			
21	Only those vendors who have supplied and commissioned atleast one number of Dead weight Tester for the range of same quoted model for similar applications in the past three years and such is presently working satisfactorily for more than one year after commissioning should quote. (prior to the issue of the tender).			
22(a)	The following information is to be submitted by the vendor about the companies where offered equipment has been supplied. This is required from all the vendors for qualification of their offer.			

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22(b)	Name of the NABL accredited customer/company where offered equipment is installed (Copy of Purchase Order should be furnished) preferably India.			
22( c)	Contact details like Phone No., FAX No. and email address of the contact person of the Customer.			
22(d)	Year of commissioning. (Copy of Commissioning report should be furnished)			
23	Performance certificate from any one customer, regarding satisfactory performance of the equipment supplied to them and should be issued not more than one year prior to the date of tender.			

 <b>STANDARD TERMS &amp; CONDITIONS FOR PROCUREMENT OF CAPITAL EQUIPMENT</b> <b>[FORMAT TO BE FILLED-UP BY THE SUPPLIER]</b>			
<b>VENDORS HAVE TO OFFER THEIR TERMS IN THE ALLOTTED COLUMN AND SHALL IDENTIFY DEVIATIONS DISTINCTLY.</b>			
<b>S/N</b>	<b>BHEL Standard Terms</b>	<b>Supplier Confirmation</b>	<b>Deviation</b>
01	<b>Terms of Delivery:</b>		
(a)	<b>Indigenous Supplies :</b> FOR - Destination means FOR - B.H.E.L. Hyderabad stores. (Packing & Forwarding, Freight & Insurance are in Supplier's scope i.e. included in the quoted prices) . <b>Ex-works is not acceptable.</b>		
(b)	<b>Foreign Supplies :</b> Foreign supplies have to be made on Incoterm CIF basis (i.e. Inclusive of Sea/Air worthy packing and inclusive of all freight and Insurance upto Mumbai Sea Port . Foreign supplies will be loaded with 2.1% towards inland freight & insurance from Mumbai to BHEL Hyderabad stores for tender evaluation purpose. Notes: i)Offer with terms of delivery other than CIF are liable for rejection. ii)Trans-shipment strictly not permitted.		
(c)	In case,any shortage is noticed viz-viz PO requirement in the main equipment/spares,such shortage shall be replenished by supplier on FOR destination basis without any cost implication to BHEL i.e. Custom Duty and freight charges etc.upto destination for such short supplies shall be borne by the supplier. Please also note that any short supply will attract imposition of penalty on the total P.O. value.(Supply+E&C).		
02	<b>Delivery Period:</b>		
	Bidder shall quote their earlier schedule with respect to the date of PO, which is as per terms of delivery. The delivery period in no case shall be linked with extraneous conditions/stipulations such as approval of drawings.		
03	<b>Payment Terms : Offer with deviations to BHEL Payment Terms will be loaded as under.a)Bench Mark Prime Lending Rate (BPLR) of SBI as applicable on the scheduled date of Tender Opening +2%, for the amount and period of relaxation sought by the bidder.b)On account of payment through LC, if insisted by bidder, bank charges shall also be loaded for the deviation in i)opening of LC by BHEL ii)period and amount of LC, as per the prevailing bank rates.</b>		
(a)	<b>Terms of payment for Indigenous Offer: (Pure supply, no E&amp;C is envisaged in the NIT</b>		
	Despatch of Goods on door delivery basis only. Goods despatched with documents presented through Bank will be loaded with corresponding bank charges.		
	100% payment will be made on 45th day from the date of Goods Receipt, subjected to submission & acceptance of Performance Bank Guarantee of 10% of contract value valid for 30 days beyond guarantee period.		
(b)	<b>Terms of payment for Foreign Offer: (Pure supply, no E&amp;C is envisaged in the scope).</b>		
	100% Payment will be made through L.C. , which shall be opened 1 month before the confirmed date of dispatch, valid for three months and is encashable against Shipping Documents, submission of Pre-inspection Report of BHEL and Performance Bank Guarantee of 10% of contract value valid for 30 days beyond guarantee period, negotiated through bank .		
4	<b>Warranty / Guarantee Period:</b> Equipments shall be guaranteed against workmanship, materials used, design and performance should be for a period of 24 months.		
	<b>Loading Factor for non-acceptance of Guarantee Period:</b> Less than 24 months will attract loading of AMC charges for difference of quote with warranty / guarantee period. Example : If a Supplier provides 18 months guarantee period, in place of 24 months, then the difference of 6 months will be loaded with AMC charges of 4% per annum for difference period of 6 months i.e. 2% of total cost will be loaded for evaluating lowest bidder.		

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5	<p><b>Penalty for Delay in "Supply" :</b> Delay in supply beyond the quoted delivery period will attract Penalty at a rate of 0.5% per week subject to max. of 10% of total PO value .In case any bidder is not accepting the above penalty for delayed supply the offer the bidder shall be loaded as follows.</p> <p><b>Loading Factor for non-acceptance of Penalty Clause:</b> It will attract maximum 10% loading on the offer and accordingly proportionate percentage will be loaded for accepting less percentage of penalty clause. Example : If the Supplier has accepted for maximum 5% penalty clause, then balance 5% will be loaded on supply value for evaluating lowest bidder.</p>		
6	<p><b>Performance Bank Guarantee (PBG):</b> The Supplier shall submit a PBG for 10% of the contract value valid for 30 days beyond Warranty / Guarantee period.</p> <p>Offers with non-acceptance of Performance Bank Guarantee clause are liable to be rejected.Offers with less acceptance of PBG than the specified period and or value shall be loaded proportionately, during evaluation of the lowest bidder.</p>		
7	<p><b>Essential / Mandatory Spares:</b> Supplier to specify clearly the charges of Essential / Mandatory Spares in the form of <b>Extra</b> only (Itemized break-up shall be given). Requirement of technical specification need to be complied with.</p>		
8	<p><b>Validity:</b> Supplier to mention clearly the validity of the offer [Minimum 180 days from tender opening date].</p>		
9	<p><b>Risk Purchase:</b> If the vendor fails to deliver the goods beyond penalty period specified in the Purchase Order, BHEL will be entitled to terminate the contract and to purchase elsewhere at the risk and cost of the supplier either the whole of the goods or any part which the supplier has failed to deliver or dispatch within the delivery period mentioned in the Purchase Order. <u>BHEL reserves the right not to consider offers from vendors not accepting the above Risk Purchase terms</u></p>		
10	<p>Commercial Terms and conditions quoted in any place other than this format, including in vendors General Terms and Conditions enclosed, if any, shall be summarily ignored and be invalid for evaluation of Bids.</p>		
11	<p>BHEL is not responsible for any postal delays. Please submit your offer without seeking time extensions. Vendor has to give valid justification for their plea for extension and BHEL reserves the right to reject the request without any correspondence on the issue.</p>		
12	<p>Bidders shall quote applicable Taxes and Duties (i.e. Excise Duty, CST/VAT) in the form of extra only. If Excise Duty is not applicable please specify it NIL or NA. Please refer to the price format that is enclosed.</p>		
13	<p>Please note that in order to participate in tendering process, it is required for registering with BHEL. For Registration with BHEL please follow the link <a href="http://172.16.111.40/vender_registration/vender.php">http://172.16.111.40/vender_registration/vender.php</a>. Please provide your offer in two part bids, one consisting of technical specification and Commercial terms and conditions, while the other bid containing the price.</p>		
14	<p>BHEL reserves the right to reject or load the offers which are deviating to BHEL Technical specifications and standard terms and conditions.</p>		
15	<p>Bidder can also submit his offer through email at his own risk. However such email offers shall be sent through tenderbox@bhelhyd.co.in. Supplier shall have no claim on e-mail offers sent on any other e-mail id. BHEL in no way responsible for non receipt of offers sent through e-mail due to server breakdown/Internet failure/transmission error etc. In case of e-mail offers =vendor name, address including contact details shall be mentioned.</p>		
16	<p>BHEL has a right to cancel the order for delay in supply beyond penalty period without any monetary or legal obligations.</p>		
17	<p>All disputes arising in connection with the contract shall be settled by mutual consultation. If no agreement is reached the dispute shall be settled in accordance with the provisions of arbitrations and Conciliation act, 1996 and the rules made thereunder. The dispute shall be referred for arbitration to any arbitrator to be appointed by the head of the unit, BHEL-Hyderabad. The award of the arbitrator shall be final and binding on both the parties. The venue of the Arbitration shall be Hyderabad in India. The award given by the arbitrator shall be a speaking award and in english language. All questions, disputes, differences arising under, out of or in connection with this contract shall be exclusive jurisdiction of Sangareddy/Hyderabad courts, Andhra Pradesh.</p>		
<p><b>Note : The bidders should comply with the above Terms &amp; Conditions. Non-adherence may lead to rejection.</b></p>			