



BHARAT HEAVY ELECTRICAL LIMITED

UNIT'S ADDRESS:

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

Enquiry No. :

Due Date :

Supplier Qtn.
No.:

Date :

SPECIFICATION CUM COMPLIANCE CERTIFICATE OF AERIAL WORKING ELEVATING PLATFORM

NOTE:-

1. Vendor must submit complete information against clause no. 17 (Qualifying Condition). The offer meeting this clause would only be processed.
2. 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, 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.

NAME & ADDRESS OF THE SUPPLIER :

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

TELEPHONE NOS.:

FAX NOS.:

Tel:

Fax:

E-MAIL ADDRESS :

E-mail:

SCOPE, SUPPLY, ERECTION & COMMISSIONING OF AERIAL WORKING ELEVATING PLATFORM COMPLYING WITH SPECIFICATIONS AS BELOW

SNO	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED BY	OFFERED	DEVIATIONS	REMARKS
1.0	PURPOSE & WORK PIECE MATERIAL				
1.1	Purpose:				
	Elevating platform is required for making high voltage connections of capacitor bank during testing of power transformer, reactors.	Indenter			
2.0	Quantity : 1 No.				
1.2	Job to be tested : Power transformers, Reactors.	Indenter			
2.0	SPECIFICATION:				
	DC Powered Hydraulically Operated Compact and light weight manually towable manlift with a work platform mounted securely on a robust steel structure with unmatched flexibility in movement and access to work areas	Vendor to confirm			
2.1	Maximum working height with full vertical lift : 9.44 m.	Vendor to confirm			
2.2	Platform height : 7.44 m	Vendor to confirm			
2.3	Capacity of main platform : 159 kg.	Vendor to confirm			
2.4	Height-stowed Fully lowered : 1.93 m Base raised : 1.98 m	Vendor to confirm			
2.5	Length : 1.52 m	Vendor to confirm			
2.6	Width : 0.81m	Vendor to confirm			
2.7	Corner access : 0.15m	Vendor to confirm			
2.8	Platform dimensions: Standard 69(L) X 66(W) X 114(H) CMS.	Vendor to confirm			
2.9	DC Powered & Hydraulic operated work platform with DC Battery and inbuilt Battery Charger suitable for AC Supply 220V, 50 Hz	Vendor to confirm			
3.0	Wheels Type for shifting :- Wheels with solid rubber Non Marking Tyres and Locking arrangement. Solid rubber tyres ensure easy turnability and non marking type, preserves the shop floor original finish.	Vendor to confirm			

DESCRIPTION FOR BHEL REQUIREMENT

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3.1	Safety Features:- i) Dual chain design for dual safety ii) Built in level sensors with Interlocks electronic display through LED lights. Automatic electronic level interlock (allows platform movement only after correct levelling) iii) Auxiliary platform lowering in the event of power failure iv) Manual lowering relief valve. v) Locking key switch to prevent un-Authorised use. vi) In case of complete power failure or battery discharge an auxiliary Emergency Down function to lower the machine from the platform is provided.	Vendor to confirm			
3.2	No Outside Outriggers :- Outriggers footprints fall within base corners and are not deployed outside the equipment base	Vendor to confirm			
3.3	Equipment Movement : Manually Towable	Vendor to confirm			
3.4	Transport Arrangement :- Fork lift pockets as well as overhead crane attachment is provided for ease of transport	Vendor to confirm			
3.5	Design and Material used for Mast construction :- Aluminium Alloy Std T 6063 Mast with dual chain design for dual safety	Vendor to confirm			
3.6	Factor of Safety for the dual lifting chain in the mast system. 10:1	Vendor to confirm		DEVIATION	
3.7	Operation controls :- Single person operation with dual platform controls as well as ground controls option. All controls from Platform and additionally from ground also.	Vendor to confirm			
3.8	Dual activated up/down switch	Vendor to confirm			
3.9	Ground fault interrupt power receptacle	Vendor to confirm			
4.0	Built-in level sensing with interlocks	Vendor to confirm			
4.1	Standard base rolls through standard doorways	Vendor to confirm			
4.2	Manual with steering handle	Vendor to confirm			
4.3	Applicable standard : ANSI A 92.5 and CE safety Norms	Vendor to confirm			
5.0	SAFETY ARRANGEMENTS:	Vendor to confirm			

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10.2	Demonstration of all features of the Elevating platform system and all Accessories.	Vendor to Confirm			
	11.0 TRAINING:				
11.1	BHEL testing engineer and maintenance person should be trained at supplier's Works for mutually agreed period in the area of (a) Use of all system Features, programming for Measuring Systems & supplied accessories etc. (b) Electrical, Electronic & maintenance for system & other supplied equipments	Vendor to confirm			
11.2	Air-fare/travelling expenses, boarding & lodging for the trainees shall be borne by BHEL.	Vendor to confirm			
11.3	Competent, English speaking experts shall be arranged by the vendor during training for satisfactory & effective training of BHEL personnel.	Vendor to confirm			
11.4	Vendor to quote for training on man / week basis	Vendor to confirm			
	12.0 INSTALLATION & COMMISSIONING				
12.1	Supplier to take full responsibility for carrying out the start up and commissioning	Vendor to confirm			
12.2	Successful proving of BHEL components by the supplier shall be considered as part of commissioning.	Vendor to confirm			
12.3	Demonstration of all features of the Elevating platform system & all accessories to the satisfaction of BHEL for their efficient and effective use.	Vendor to confirm			
12.4	Demonstration by actual use of all supplied components and accessories to their full capacity.	Vendor to confirm			
12.5	Commissioning spares, required for commissioning of the system within stipulated time, shall be brought by the supplier on returnable basis.	Vendor to confirm			
12.6	Schedule of Commissioning shall be submitted with the offer.	Vendor to confirm			
12.7	Charges, duration, terms & conditions for E&C should be furnished in detail separately by vendor along with offer.	Vendor to confirm			
13.0	AMBIENT CONDITIONS & THERMAL STABILITY :				

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13.1	Total System and all supplied items should work trouble free and efficiently under following operating conditions and should give specified accuracies. Power Supply: Voltage: 220 V, 1-Phase AC Frequency: 50 Hz \pm 1.5 Hz Operating Humidity : 35% to 80% Operating Temperature : 0°C to 45°C (Vendor to confirm that system is suitable for above and details of provisions on the system for the same are to be furnished by Vendor. The ambient conditions mentioned above for control system will be made available with suitable air-conditioning at works.)	Vendor to confirm			
13.2	Thermal Stability of the complete system keeping in view specified Ambient Conditions and accuracy requirements of BHEL components and trouble free operation of the system should be ensured by vendor. (Vendor to confirm that system is suitable for above and details of provisions on the system for the same should be furnished by Vendor)	Vendor to confirm			
14.0 PACKING:					
14.1	Air worthy/Sea worthy & rigid packing for all items of complete system, all Accessories and other supplied items to avoid any damage/loss in transit. When system is despatched in containers, all small loose items shall be suitably packed in boxes	Vendor to confirm			
15.0 GUARANTEE :					
15.1	12 months from the date of commissioning of the system.	Vendor to confirm			
16.0 GENERAL : The vendor should submit the following information:					
16.1	Equipment Model	Vendor to confirm			
16.2	Total connected load (KVA):	Vendor to confirm			
16.3	Total weight of the system	Vendor to confirm			
16.4	Vendor to submit, along with offer, the reference list of customers where similar systems have been supplied mentioning the customer, Machine Model, major specifications of the supplied system, Year of Supply etc	Vendor to confirm			

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16.5	Detailed catalogues, sketch/ photographs of the m/c and accessories/ attachments should be submitted with the offer.	Vendor to confirm			
17.0	QUALIFYING CONDITIONS : Only those vendors, who have supplied and commissioned at least one such Equipment for similar applications in the past ten years and such system is presently working satisfactorily for more than one year after commissioning (more than 6 months after commissioning-if supplied to BHEL), should quote. The following information is to be submitted by the vendor about the companies where similar instrument have been supplied. This is required from all the vendors for qualification of their offer.	Vendor to confirm			
	1. Name of the customer / company where similar system is installed. (Copy of Purchase order should be furnished)	Vendor to confirm			
	2. Complete postal address of the customer.	Vendor to confirm			
	3. Year of commissioning.	Vendor to confirm			
	4. Application for which the system is supplied with details of accuracies achieved on the job.	Vendor to confirm			
	5. Name and designation of the contact person of the customer.	Vendor to confirm			
	6. Phone, FAX no. and email address of the contact person of the customer.	Vendor to confirm			
	7. 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 confirm			