

 <b>BHARAT HEAVY ELECTRICAL LIMITED</b>		Enquiry No. :			
		Due Date :			
		Supplier Qtn. No.:			
		Date :			
<b>SPECIFICATION CUM COMPLIANCE CERTIFICATION FOR</b>					
<b>Storage System</b>					
<b>NOTE:-</b>					
1. Vendor(OEM) must submit complete information against clause no. 4.6. 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, 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/ Bilingual language only.					
ADDRESS OF THE SUPPLIER :		ADDRESS OF THE INDIAN AGENTS :			
TELEPHONE NOS.:		TELEPHONE NOS.:			
FAX NOS.:		FAX NOS.:			
E-MAIL ADDRESS :		E-MAIL ADDRESS :			
SCOPE: SUPPLY&COMMISSIONING OF STORAGE SYSTEM AS SPECIFIED BELOW					
SNO	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED BY	OFFERED	DEVIATIONS	REMARKS
<b>1.0</b>	<b>PURPOSE</b>				
1.1	Purpose: Systematic storage of WO Files and documents and fast retrieval.				
<b>2.1</b>	<b>SPECIFICATION:</b>				
<b>2.1.1</b>	1 System Consisting of –				
2.1.2	<b>Items:</b> 1. Single Static Drive Unit 2 Bay - 1 No	vendor to confirm			
2.1.3	2. Single Last Drive Unit 2 Bay - 1 No.	vendor to confirm			
2.1.4	3. Twin Mobile Drive Unit 2 Bay – 3 Nos.	vendor to confirm			
2.1.5	4. Channel D4 – 12 ft. – 1 No.	vendor to confirm			
2.1.6	5. Channel D4 – 3 ft. – 1 No	vendor to confirm			
2.1.7	6. Cradle – 16 Nos.	vendor to confirm			
2.1.8	7. File Visa Paper – 3200 Nos.	vendor to confirm			
2.1.9	1 System Consisting of –	vendor to confirm			
	<b>Items:</b> 1. Single Static Drive Unit 3 Bay - 1 No	vendor to confirm			
	2. Single Last Drive Unit 3 Bay - 1 No.	vendor to confirm			
	3. Twin Mobile Drive Unit 3 Bay – 3 Nos.	vendor to confirm			
	4. Channel D4 – 12 ft. – 1 No.	vendor to confirm			
	5. Channel D4 – 3 ft. – 1 No	vendor to confirm			
	2 System Consisting of –	vendor to confirm			
	<b>Items:</b> 1. Single Static Drive Unit 4 Bay - 1 No	vendor to confirm			
	2. Single Last Drive Unit 4 Bay - 1 No.	vendor to confirm			
	3. Twin Mobile Drive Unit 4 Bay – 3 Nos.	vendor to confirm			
	4. Channel D4 – 12 ft. – 1 No.	vendor to confirm			
	5. Channel D4 – 3 ft. – 1 No	vendor to confirm			

SNO	DESCRIPTION FOR BHEL REQUIREMENT	SPECIFIED / TO BE CONFIRMED BY	OFFERED	DEVIATIONS	REMARKS
	<b>Construction of body:</b>	vendor to confirm			
	Rigid knock down construction should be made out of 0.8 thk. CRCA Steel conforming to IS: 513 Gr.D. Each unit should have 5 loading levels formed by 4 nos. adjustable shelves & body units should be bolted to undercarriage.  Label Holder should be provided and should be made from 2 mm thk clear transparent Acrylic sheet	vendor to confirm			
	<b>Shelf Construction:</b>				
	Should be made of 0.8 thk CRCA steel conforming to IS: 513 Gr.D or DD. Shelves to be mounted on support brackets & shelf level to be adjustable at approx. 25.4 pitches. Its max load bearing capacity should be 80 Kg uniformly distributed per shelf	vendor to confirm			
	<b>Centralized Locking:</b>				
	Centralized locking arrangement to be provided through Locking Stiffener mounted onto back of Single Last unit so that is gets locked on channels when all the units are brought together. The Cam lock to be placed at suitable height. Each Drive type units should have Locking Knob near the Drive wheel for manual locking of individual units when a person is using those units. Knob shall be rotated to unlock position when units are to be moved. After the unit is moved, before entering into aisle for accessing, this knob shall be rotated to lock position. End stoppers are to be provided at the end of channels to prevent derailment.	vendor to confirm			
	<b>Finish:</b>				
	The bodies including shelves and undercarriage to be given antirust surface treatment & should be powder coated with epoxy polyester powder, involving an 8 step treatment consisting of Hot water rinse. Knock of degreasing, degreasing, cold water rinse, phosphating, cold water rinse, and passivation & dry oven treatment. Final finish consisting of epoxy polyester power coating of approved color & shade with a Dry Film Thickness of minimum 40 microns. The testing of paint to be done for various physical & chemical properties as per IS: 101. The material should then be oven baked with a controlled temperature of 180 deg. C to 200 deg. C.	vendor to confirm			
	<b>Undercarriage Construction:</b>				
	The Undercarriage to be a welded frame made of HR sheet 3.15 mm thk conforming to IS:10748 suitably fabricated to take the loads. The undercarriage, after pre-treatment, should be coated with final finish consisting of epoxy polyester powder coat of approved color & shade with a Dry Film Thickness of minimum 40 microns.	vendor to confirm			
	<b>Undercarriage Finish:</b>				
	The undercarriage, after pre-treatment, should be coated with final finish consisting of epoxy polyester powder coat of approved color & shade a Dry Film Thickness of minimum 40 microns.	vendor to confirm			
	<b>Movement</b>				
	Movement of units should be achieved mechanically through a Drive wheel and '2 stage Sprocket-Chain' arrangement mounted rigidly onto body side.  Each movable undercarriage should be provided with 3 rollers on the shaft for driving, 3 antifriction ball bearing for rolling and 4 antifriction ball bearing for guiding between rail.  The drive arrangement should be covered by a 1 mm thk. HR sheet Cover fixed onto the body side. The Drive wheel should be rigidly fixed at suitable height on body side.	vendor to confirm			
2.8	<b>DIMENSIONS:</b>	Vendor to specify			
2.8.1	Overall length (44000 mm ) Approx	Vendor to specify			
2.8.2	Overall width (35000 mm ) Approx	Vendor to specify			
2.8.3	Overhead Guard (21000mm ) Approx	Vendor to specify			
3.3	<b>SAFETY</b>				
3.3.1	Safety Instruction shall be provided.	Vendor to confirm			
3.9	<b>SPARES:</b>				
3.9.1	Recommended set of spares for all attachments are to be offered with details.	vendor to confirm			

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<b>4.0</b>	<b>DOCUMENTATION :</b>	vendor to confirm			
4.0.1	Operating manuals of Storage System	vendor to confirm			
<b>4.1</b>	<b>INSTALLATION &amp; COMMISSIONING</b>				
4.1.1	Supplier to take full responsibility for carrying out the installation, start up at BHEL Bhopal Block II, AME Divn. 2nd Floor eastern wing	vendor to confirm			
4.1.2	Successful proving of its working at BHEL bhopal by the supplier shall be considered as part of commissioning.	vendor to confirm			
4.1.3	Demonstration of all features of the Storage System	vendor to confirm			
<b>4.2</b>	<b>PACKING:</b>				
4.2.1	Appropriate packing of complete Item and other supplied items to avoid any damage/loss in transit.	vendor to confirm			
<b>4.3</b>	<b>GUARANTEE :</b>				
4.3.1	24 months from the date of acceptance of the machine.	vendor to confirm			
<b>4.4</b>	<b>INSPECTION</b>				
4.4.1	Storage System shall have the TC/GC	vendor to confirm			
<b>4.5</b>	<b>GENERAL :</b>				
4.5.1	Model	vendor to confirm			
4.5.2	Colour of storage system should have nice appealing appearance with rust proof varnish and attractive colour finish	vendor to specify & confirm			
4.5.3	Vendor to submit, along with offer, reference list of customers where similar or higher capacity Storage System mentioning broad Model No. capacity.	Vendor to specify			
4.5.4	Detailed catalogues , sketch/ photographs of the Storage System alongwith accessories/ attachments should be submitted with the offer.	Vendor to specify			
<b>4.6</b>	<b>REFERENCE LIST / QUALIFYING CONDITIONS :</b>				
<b>4.6.1</b>	<b>Vendor to meet the following qualification criteria:</b>  <b>1. Should be ISO 9001 certified</b> <b>2. Should be ISO 14001 certified</b> <b>3. Should be ISO 18001 certified</b> <b>4. Should have a local service set up in Bhopal</b> <b>5. Should have executed a single order of the same product in the last 2 years valuing 15.00 L or more.</b>	vendor to confirm			
4.6.2	The following information should be submitted by the vendor about the companies where similar machines have been supplied. This is required also from all the vendors for qualification of their offer.	Vendor to specify			
4.6.3	1. Name of the customer / company where similar Storage System is supplied.	Vendor to specify			
	2. Complete postal address of the customer.				
	3. Month & Year of commissioning.				
	4. Name and designation of the contact person of the customer.				
	5. Phone, FAX no. and email address of the contact person of the customer.				
	6. Performance certificate from any one customers regarding satisfactory performance of System supplied to them . The performance certificate should be issued within one				
<b>4.7</b>	<b>SCOPE OF SUPPLY</b>				
4.7.1	Complete storage system as per above specification	vendor to confirm			
4.7.2	Free after sales service is to be provided during commissioning & guarantee period .	vendor to confirm			
4.7.3	Installation, Commissioning , training & proving of equipment at BHEL Bhopal work.	vendor to confirm			