

		<b>TECHNICAL SPECIFICATION 2X800 MW SINGRAULI STPP STAGE III 1 X 800 MW SIPAT STPP STAGE-III DOUBLE GIRDER EOT CRANES FOR UPTO 100T CAPACITY</b>	<b>PE-TS-512/520-501-A001</b>
			<b>Rev. No. 00</b>
			<b>Date : May 2025</b>
<b>PRE QUALIFICATION REQUIREMENT (TECHNICAL)</b>			
1	The Bidder should have designed, manufactured, erected and commissioned Double Girder EOT/Gantry/Semi-Gantry crane of minimum 30T capacity with span of 10 Metres or more and having/ability to have in house facility for testing of Double girder EOT crane with actual capacity required for the tender.		
2	The Bidder has to submit following supporting documents meeting above mentioned prequalifying requirement Copy of minimum one (1) performance certificate (in English) from end user along with copy of related Purchase Order (PO) or Letter of intent (LOI) or Letter of Award (LOA) or Work Order (WO) specifying that the product/equipment is running successfully for one (1) year from date of commissioning meeting the minimum pre-qualifying requirement.		
3	Bidder shall submit design documents to substantiate technical parameters specified in clause 1 & 2 above, if the same is not mentioned in performance certificate/purchase order		
Note			
a	Bidder to submit all supporting documents in English. If documents submitted by bidder are in language other than English, a self-attested English translated document should also be submitted.		
b	Minimum one (1) no. Purchase order shall be submitted which should not be more than seven (7) years old as on date of bid submission, for establishing continuity in business.		
c	Notwithstanding anything stated above, BHEL/CUSTOMER reserves the right for physical assessment of the capabilities and capacity of the bidder to perform the contract, should the circumstances warrant such assessment in the overall interest of BHEL/CUSTOMER. Bidder to furnish details as per Annexure A- "Sub-Vendor Questionnaire".		
d	BHEL shall evaluate and qualify the bidders based on their performance in awarded contracts in current projects under execution as per attached Annexure C-Performance Feedback.		
e	Consideration of offer shall be subject to Customer's approval of bidders, if applicable.		
f	After satisfactory fulfilment of all the above criteria/ requirement, offer shall be considered for further evaluation as per NIT and all the other terms of the tender.		

## CORPORATE QUALITY ASSURANCE

## SUB-VENDOR QUESTIONNAIRE

i.	<b>Item/Scope of Sub-contracting</b>		
ii.	<b>Address of the registered office</b> 	<b>Details of Contact Person</b> <b>(Name, Designation, Mobile, Email)</b> 	
iii.	<b>Name and Address of the proposed Sub-vendor's works where item is being manufactured</b> 	<b>Details of Contact Person:</b> <b>(Name, Designation, Mobile, Email)</b> 	
iv.	<b>Annual Production Capacity for proposed item/scope of sub-contracting</b>		
v.	<b>Annual production for last 3 years for proposed item/scope of sub-contracting</b>		
vi.	<b>Details of proposed works</b>		
1.	<b>Year of establishment of present works</b>		
2.	<b>Year of commencement of manufacturing at above works</b>		
3.	<b>Details of change in Works address in past (if any)</b>		
4.	<b>Total Area</b>		
	<b>Covered Area</b>		
5.	<b>Factory Registration Certificate</b>	<b>Details attached at Annexure – F2.1</b>	
6.	<b>Design/ Research &amp; development set-up</b> <b>(No. of manpower, their qualification, machines &amp; tools employed etc.)</b>	<b>Applicable / Not applicable if manufacturing is as per Main Contractor/purchaser design)</b> <b>Details attached at Annexure – F2.2</b> <b>(if applicable)</b>	
7.	<b>Overall organization Chart with Manpower Details</b> <b>(Design/Manufacturing/Quality etc.)-</b>	<b>Details attached at Annexure – F2.3</b>	
8.	<b>After sales service set up in India, in case of foreign sub-vendor</b> <b>(Location, Contact Person, Contact details etc.)</b>	<b>Applicable / Not applicable</b>  <b>Details attached at Annexure – F2.4</b>	
9.	<b>Manufacturing process execution plan with flow chart indicating various stages of manufacturing from raw material to finished product including outsourced process, if any</b>	<b>Details attached at Annexure – F2.5</b>	
10.	<b>Sources of Raw Material/Major Bought Out Item</b>	<b>Details attached at Annexure – F2.6</b>	
11.	<b>Quality Control exercised during receipt of raw material/BOI, in-process, Final Testing, packing</b>	<b>Details attached at Annexure – F2.7</b>	
12.	<b>Manufacturing facilities</b>	<b>Details attached at Annexure – F2.8</b>	

## CORPORATE QUALITY ASSURANCE

## SUB-VENDOR QUESTIONNAIRE

	<i>(List of machines, special process facilities, material handling etc.)</i>					
13.	<b>Testing facilities</b> <i>(List of testing equipment)</i>			<b>Details attached at Annexure – F2.9 &amp; Details of load testing facility of Work/s to be submitted in Annexure B</b>		
14.	<b>If manufacturing process involves fabrication then-</b>			<b>Applicable / Not applicable</b>		
	<b>List of qualified Welders</b>			<b>Details attached at Annexure – F2.10</b>		
	<b>List of qualified NDT personnel with area of specialization</b>			<b>(if applicable)</b>		
15.	<b>List of out-sourced manufacturing processes with Sub-Vendors' names &amp; addresses</b>			<b>Applicable / Not applicable</b>  <b>Details attached at Annexure. –F2.11</b> <b>(if applicable)</b>		
16.	<b>Supply reference list including recent supplies</b>			<b>Details attached at Annexure – F2.12</b> <b>(as per format given below)</b>		
<b>Project/ package</b>	<b>Customer Name</b>	<b>Supplied Item (Type/Rating/Model /Capacity/Size etc)</b>	<b>PO ref no/date</b>	<b>Supplied Quantity</b>	<b>Date of Supply</b>	
17.	<b>Product satisfactory performance feedback letter/certificates/End User Feedback</b>			<b>Attached at annexure - F2.13</b>		
18.	<b>Summary of Type Test Report (Type Test Details, Report No, Agency, Date of testing) for the proposed product (similar or higher rating)</b> <b>Note:- Reports need not to be submitted</b>			<b>Applicable / Not applicable</b>  <b>Details attached at Annexure – F2.14</b> <b>(if applicable)</b>		
19.	<b>Statutory / mandatory certification for the proposed product</b>			<b>Applicable / Not applicable</b>  <b>Details attached at Annexure – F2.15</b> <b>(if applicable)</b>		
20.	<b>Copy of ISO 9001 certificate (if available)</b>			<b>Attached at Annexure – F2.16</b>		
21.	<b>Product technical catalogues for proposed item (if available)</b>			<b>Details attached at Annexure – F2.17</b>		
<b>Name:</b>		<b>Desig:</b>		<b>Sign:</b>		<b>Date:</b>

Company's Seal/Stamp:-

Details of Testing facility of Work/s			Annexure -B	
PACKAGE	DOUBLE GIRDER EOT CRANES UPTO 100T			
Bidder name				
Bidder works address				
S. NO.	FACILITY	DETAILS REQUIRED	DATA TO BE FURNISHED	REMARKS
1 a)	Handling facilities in the test bay/ shop	Number & capacity of cranes available		Layout drawing of the testing / bay shed to be furnished.
1 b)		Maximum capacity of load that can be handled with shed/testing bay cranes handle (individually or in tandem)		
1 c)		Clear height from floor level to the Hook level of the crane of testing bay/ shed		
2 a)	Stand/frame for supporting the crane bridge girders during load/ overload testing of crane at works	Number of stands available		Documentary proof i.e previous load testing report of similar capacity and span or structural calculations for justifying the load bearing capacity of the crane.
2 b)		Load bearing capacity of each stand		
2 c)		Height of stand		
3 a)	Load Pit	Dimensions		Pit drawing/photograph to be furnished.
3 b)		Maximum capacity of the load that can be accomodated in load pit		Calculations / drawing to be furnished for justification of maximum load claimed to be accomodated in the avaiable test pit dimensions.
4 a)	Calibrated Dead Load	Maximum dead load (calibrated) along with cradle available		In case of unavailability of sufficient dead load, whether supplier makes any alternate arrangement i.e type of dead load, availabilty of suitable capacity load cells with display etc.
4 b)		Dimensions		Dimensions of individual load block, as available, to be furnished.
Note: Details of testing facility shall be submitted for justification of capability of testing.				

## Annexure-C

## Assessment of Bidder/ Supplier wrt Performance Feedback from current projects by PS- Regions

Name of Bidder/ Supplier:

Package quoted for:

Reference Project for Performance Assessment:

Date:

Sl. No.	Area of Assessment	Particulars for Evaluation	Maximum marks	Marks awarded
1	<b>Material supply</b>		<b>50</b>	
1a	Package Name	Whether agency has supplied the material within given contractual period with extension. Supply 100% - 40 marks 75% - 30 marks 50% - 25 marks Marks may be given on pro-rate supply basis.	40	
1b		Assessment of Qualitative ability of agency to follow the approved documents/ BHEL procedures / guidelines for material inspections/ inspection call/ MDCC request / Dispatch documentation.	10	
2	<b>Execution Capabilities</b>		<b>50</b>	
2a	Package Name	Whether agency has engaged competent person as site in charge and other supervisors/ manpower to handle site execution.	10	
2b		Vendor involvement/ behaviour/ engagement during E&C at site and initiative to resolve of interface issues.	10	
2c		Quality of erection drawings and BOQ availability.	10	
2d		Agency efforts & inclination on implementation of HSE, Safety and quality during execution of system	10	
2e		Whether agency has made the system ready/ commissioned before corresponding project milestone requirement.	10	
	<b>Grand Total</b>		<b>100</b>	

Note: 1. The feedback to be provided by PS-Regions against the bidder's performance.

2. The average qualifying marks will be 60.

PS-Region Representative

PS-Region (Head/Projects)