

BOQ

NAME OF PROJECT:		2X660 MW THDC Khurja STPP		
NAME OF PACKAGE:		DOUBLE GIRDER EOT CRANES (>100T CAPACITY)		
TECHNICAL SPECIFICATION:		PE-TS-475-501-A501		
S. No.	DESCRIPTION	HSN CODE	UNIT	QTY
1.0	Total lump sum firm price for SUPPLY PART, SERVICE PART & MANDATORY SPARES comprising of design (i.e. preparation and submission of drawing /documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles, fill of lubricants & consumables, mandatory spares alongwith spares for erection, startup and commissioning as required, forwarding, proper packing, shipment and delivery at site, unloading, handling, transportation & storage at site, in-site transportation, assembly, erection & commissioning, trial run at site and carrying out performance guarantee/Functional/Demonstration tests at site (As applicable), and OPERATION AND MAINTENANCE SERVICE including manpower, supervision, consumables etc for operation & maintenance of cranes for 24 crane-months for each crane after commissioning & final handing over to end customer (after O & M service) in flawless condition of crane(s) for project and package specified above complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.		Lot	1
2.0	MAJOR BREAK-UP OF PRICES GIVEN IN 1.0 ABOVE			
2.1	Total lump sum firm price for SUPPLY part comprising of design (i.e. preparation and submission of drawing /documents including "As Built" drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles, spares for erection, startup and commissioning as required, fill of lubricants & consumables, forwarding, proper packing, shipment and delivery at site for project and package complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	8426 11 00	Nos.	2
2.2	Total lump sum firm price for SERVICE part comprising of unloading, handling, transportation & storage at site, in-site transportation, assembly, erection & commissioning, trial run at site, and carrying out performance guarantee/Functional/Demonstration tests at site (As applicable) of crane(s) for project and package complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	998732	Nos.	2
2.3	Total lumpsum firm price for Mandatory spares comprising of manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, forwarding, proper packing, shipment, delivery at site & guarantee as per tender technical specification above, amendment & agreements till placement of order.	8431 49 20	Lot	1
2.4	Total lumpsum firm price for providing OPERATION AND MAINTENANCE SERVICE including manpower, supervision, consumables etc for operation & maintenance of crane for 24 crane-months per crane after commissioning & final handing over to end customer (after O & M service) in flawless condition with all accessories for the total scope defined as per technical specification.	998732	Nos.	2
Note: 1) Bidder to note that BHEL reserves the rights to distribute total number of crane-months in two cranes at its descretion i.e. during execution number of crane-months for one crane may be more than 24 nos. and accordingly lesser number of crane-months for other crane. Further, if increase/decrease in number of crane-months over and above the quoted period, shall be calculated based on prices quoted by bidder against S. no. 2.4 above. 2 Bidder to quote the Prices in 'figures' along with corresponding 'words'.				

BOQ MS		
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Sl. No.	DESCRIPTION	QUANTITY
1	Mechanical	
(a)	Bearings for long travel wheels	1 Set (Requirement for one Crane)
(b)	Bearings for cross travel wheels	1 Set (Requirement for one Crane)
(c)	Bearings for Gear Boxes for each type of Hoist & travel (Main and aux hoist, LT and CT travel)	1 Set (Requirement for one Crane)
(d)	Brake Liner for all the brakes (main and aux hoist ,LT and CT travel)	2 Sets (Requirement for two Crane)
(e)	Hydraulic thruster for all Brakes (Main and aux hoist, CT and LT travel)	1 Set (Requirement for one Crane)
(f)	Oil Seals (both main and aux hoist , CT and LT motion)	2 Sets (Requirement for two Crane)
(g)	Brake springs for all brakes (both main and aux hoist, LT and CT travel)	1 Set (Requirement for one Crane)
(h)	Wire Rope for Aux. hoist	1 No. each
(i)	Oil Pumps with motor & Hydraulic cylinder for operation of jaw of storm Brake	1 No. of each type & size
2	Electrical	
i)	Solenoid Coils for Brakes	2 sets
ii)	MCBs/MCCBS/Fuse links for the whole crane	1 set
iii)	Contactors and overload Relays for Motors of the EOT	1 set of each type, size & rating
iv)	Timers of each type, size & rating	1 set
v)	Limit Switches for	
a	Main Hoist	1 set
b	Aux. Hoist	1 set
c	Cross Travel	1 set
d	Long Travel	1 set
vi)	Master Controller for Aux. Hoist	1 set each
vii)	Drive for MH,AH,CT<	1 no. of each type& rating
NOTES		
1	Bidder to refer Notes in Annexure-II of Technical Specification.	