

2X660 MW MOUDA STPP, STAGE II- TG PACKAGE

MAIN SUPPLY - PRICE SCHEDULE FOR DOUBLE GIRDER TG HALL EOT CRANES WITH TANDEM OPERATION

Sl. No	DESCRIPTION OF EQUIPMENT / ITEM	Qty	Total Ex-works price (Rs.)	ED Including cess	GST/VAT (%) as applicable (Rs.)	Freight Including Service Tax in terms of percentage (%) of Ex-Work Price (Rs.)	TOTAL F.O.R. Site Price (Rs.)	Applicable for Foreign Bidders (Bidder to mention Currency)	
								Unit FOB price (Including Sea-worthy packing)	Total FOB price (Including Sea-worthy packing)
1	2	3	4	5	6	7	8	1	2
1.00	Total lumpsum firm price for design, engineering, manufacturing, inspection and testing, painting, supply/delivery duly packed at project site including freight, unloading, storage and handling at site in line with drawings/ documents/ test procedures approved by BHEL/Customer for 200/20 T capacity. Double girder EOT cranes with 29.0M lift of main hook, 34.5M lift of auxiliary hook, 33.45 M span, 276.5M bay length along with additional LT hydraulic storm/ parking brakes, lifting beam & slings, gantry rail & PVC shrouded bus bar type DSL complete with all accessories including temporary cable, isolating switch and power cable from isolating switch to DSL., Erection and commissioning spares and Maintenance Tools and Tackles for the total scope defined as per technical specification PE-TS-387-501-A001.	2 sets.		NIL against PAC					
NOTES 1) Bidder to note that total price indicated above at 1.00 shall be considered for evaluation & hence must be completed in all respect for the full scope defined & considering all terms and conditions agreed. 2) Any item not included in the price quoted above and shown separately will not be taken cognizance of and the offer shall be liable for rejection. 3) Any variation in length of DSL/ gantry rail due to change in bay length will be adjusted based on unit rates arrived from 2.20 and 2.3.0 below.									
2.00	Break Up Prices of 1.00								
2.10	Total lumpsum firm price for design, engineering, manufacturing, inspection and testing, painting, supply/delivery duly packed at project site including freight, unloading, storage and handling at site in line with drawings/ documents/ test procedures approved by BHEL/Customer for 200/20 T capacity. Double girder EOT cranes with 29.0M lift of main hook, 34.5M lift of auxiliary hook & 33.45 M span, complete with all accessories including additional LT hydraulic storm/ parking brakes, isolating switch and power cable from isolating switch to DSL., Erection and commissioning spares for the total scope defined as per technical specification PE-TS-387-501-A001.	2 sets.							
2.20	Total lumpsum firm price for design, engineering, manufacturing, inspection and testing, painting, supply/delivery duly packed at project site including freight, unloading, storage and handling at site in line with drawings/ documents/ test procedures approved by BHEL/Customer for PVC shrouded bus bar type DSL for 276.5M bay length complete with all accessories for the total scope defined as per technical specification PE-TS-387-501-A001.	1 set							
2.30	Total lumpsum firm price for design, engineering, manufacturing, inspection and testing, painting, supply/delivery duly packed at project site including freight, unloading, storage and handling at site in line with drawings/ documents/ test procedures approved by BHEL/Customer for 276.5M bay length Gantry rail complete with all accessories for the total scope defined as per technical specification PE-TS-387-501-A001.	1 set							
2.40	Lump sum price of temporary cable for operation of crane during erection stage of the plant (equal to half the bay length plus 25 M).	2 set							
2.50	Total lumpsum firm price for design, engineering, manufacturing, inspection and testing, painting, supply/delivery duly packed at project site including freight, unloading, storage and handling at site in line with drawings/ documents/ test procedures approved by BHEL/Customer for Maintenance tools and Tackles.	1 lot							
2.60	Total lumpsum firm price for design, engineering, manufacturing, inspection and testing, painting, supply/delivery duly packed at project site including freight, unloading, storage and handling at site in line with drawings/ documents/ test procedures approved by BHEL/Customer for Lifting beams & slings for tandem operation complete with all accessories for the total scope defined as per technical specification PE-TS-387-501-A001.	1 set							
2.70	Total of 2.00 (2.1.0 to 2.6.0)								

NIL against PAC

Abhishek

2X660 MW MOUDA STPP, STAGE II- TG PACKAGE

PRICE SCHEDULE FOR MANDATORY SPARES OF DOUBLE GIRDER TG HALL EOT CRANE									
								Applicable for Foreign Bidders (Bidder to mention Currency)	
S. No	DESCRIPTION OF EQUIPMENT/ ITEM	Qty	Total Ex-works price (Rs.)	ED including cess	CST/VAT (%) as applicable (Rs.)	Freight Including Service Tax in terms of percentage (%) of Ex-Work Price (Rs.)	TOTAL F.O.R. Site Price (Rs.)	Unit FOB price (Including Sea-worthy packing)	Total FOB price (Including Sea-worthy packing)
1	2	3	4	5	6	7	8	1	2
A	MECHANICAL								
1	Bearings for long travel wheels	1 set							
2	Bearings for cross travel wheels	1 set							
3	Bearings for Gear Boxes for each type of Hoist	1 set							
4	Brake Liner for all the brakes including jaws for rail clamps of Storm brakes.	1 set							
5	Hydraulic thruster for all the Brakes	1 set							
6	Oil Seals	1 set							
7	Brake springs for all brakes	1 set							
8	Wire Rope for Aux. hook	1 no							
9	Contactors, push buttons and relays	1 set							
10	Oil pumps with motor & hydraulic cylinder for operation of jaw of the storm brakes	1 no of each type /size							
B	ELECTRICAL								
1	Solenoid Coils for Brakes	2 sets							
2	MCBs/MCCBs/ Fuse links for the whole crane	1 set							
3	Contactors and overload Relays	1 set of each type, size & rating							
4	Motor of the EOT	1 set of each type size and rating							
5	Timers of each type, size & rating	1 set							
6	Limit Switches for								
(a)	Main Hoist	1 set							
(b)	Aux. Hoist	1 set							
(c)	Cross Travel	1 set							
(d)	Long Travel	1 set							
7	Carbon brushes and brush holder	1 Set							
8	Master controller for Aux hoist	1 Set							
9	Resistance Box	1 no of each type.							
10	Drives for MH,AH,CT & LT	1 no of each type & rating							
C	Total Price of Mandatory Spares (A+B)								

Note : Contd..to next page

NIL against PAC

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PRICE SCHEDULE FOR MANDATORY SPARES OF DOUBLE GIRDER TG HALL EOT CRANE									
S. No	DESCRIPTION OF EQUIPMENT / ITEM	Qty	Total Ex-works price (Rs.)	ED including cess	CST/VAT (%) as applicable (Rs.)	Freight Including Service Tax in terms of percentage (%) of Ex- Work Price (Rs.)	TOTAL F.O.R. Site Price (Rs.)	Applicable for Foreign Bidders (Bidder to mention Currency)	
								Unit FOB price (Including Sea-worthy packing)	Total FOB price (Including Sea-worthy packing)
1	2	3	4	5	6	7	8	1	2
1	<p>Unless stated otherwise a 'set' (marked by **), it will include the total requirement of the item for a unit module or the station as specified. Where it is specified as "set" (marked by *) it would mean the requirement for the single equipment/system as the case may be. Also are set for the particular equipment e.g. 'set' of bearings for a pump would include the total number of bearings in a pump. Also the 'set' would include all components required to replace the item; for example a set of bearing shall include all hardware normally required while replacing the bearings. It is further, intended that the assembly/sub-assembly which have different orientation (like left hand or right hand, top or bottom), different direction of rotation or mirror image positioning or any other reasons which result in maintaining two different sets of the spares to be used for the subject assembly/sub-assembly, these shall be considered as different types of assembly/sub-assembly.</p>								
2	Wherever quantity has been specified as percentage (%), it shall mean percentage (%) of the total population of the item in the station (project), unless specified otherwise and the fraction will be rounded off to the next higher whole number.								
3	Wherever the quantities have been indicated for each type, size, thickness, material, radius, range etc. these shall cover all the items supplied and installed and the break up for these shall be furnished in the bid.								
4	In case spares indicated in the list are not applicable to the particular design offered by the bidder, the bidder should offer spares applicable to offered design with quantities generally in line with the approach followed in the above list.								
5	All spares supplied under this contract shall be strictly interchangeable with parts for which they are intended for replacements. These spares should include all mounted accessories like components, boards, add or items, fitting, connectors etc. and be complete in all respects so that the replacement of the main items by these spares does not require any additional item. The vendors must conform the pair to pair compatibility of each electrical spares modules with the modules should be supplied in the original package. All electronic modules should be pre set and/or preprogrammed for ready use at site. Alternatively, suitable instruction sheet indicating the details of required PCB jumper position, BCD which is setting, EPROM/PROM listing etc should be packed along with each module. Also a caution mark sign should be put on all such module which needs pre setting/pre programming before putting them in to service. The spare shall be treated and properly packed for long term storage.								
6	Each spare shall be clearly marked and labeled on the outside of the packing with its description. When more than one spare part is packed in single case, a general description of the contents shall be shown on the outside of such case and a detailed list enclosed. All cases, containers and other packages must be suitably marked and numbered for the purpose of identification.								
7	Accordingly unless stated otherwise a "set" means items or sub-items required for each type / size / range of the assembly / sub assembly required for complete replacement in one equipment/ system as the case may be. It is further intended that the assembly / sub assembly having different orientation (like left hand or right, top or bottom), different direction of rotation or mirror image positioning or for any other reasons result in maintaining two or different sets of spares to be used for the subject assembly / sub assembly, these shall be considered as different types of assembly / sub assembly.								

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ERECTION & COMMISSIONING - PRICE SCHEDULE FOR DOUBLE GIRDER TG HALL EOT CRANES WITH TANDEM OPERATION					
S. No	DESCRIPTION OF EQUIPMENT / ITEM	Qty	E & C Charges (Rs.)	Service tax for E & C (Rs.)	Total Lumpsum Price (Rs.)
1	2	3	4	5	6
1.0.0	Total lumpsum firm price for erection and commissioning, trial run at site and successful load testing in line with drawings/ documents/ test procedures approved by BHEL/ Customer for 200/20 T capacity, Double girder EOT cranes with 29.0 M lift of main hook, 34.5M lift of auxiliary hook, 33.45 M span, 276.5 M bay length along with additional LT hydraulic storm/parking brakes, lifting beam & slings, gantry rail & PVC shrouded bus bar type DSL complete with all accessories including temporary cable, isolating switch and power cable from isolating switch to DSL,, Erection and commissioning spares etc for the total scope defined as per technical specification PE-TS-387-501-A001.	2 sets.			
NOTES 1) Bidder to note that total price indicated above at 1.0.0 shall be considered for evaluation & hence must be completed in all respect for the full scope defined & considering all terms and conditions agreed. 2) Any item not included in the price quoted above and shown separately will not be taken cognizance of and the offer shall be liable for rejection. 3) Any variation in length of DSL or gantry rail due to change in bay length will be adjusted based on unit rates arrived from 2.2.0 and 2.3.0 below.					
2.0.0	Break Up Prices				
2.1.0	Total lumpsum firm price for erection and commissioning, trial run at site and successful load testing in line with drawings/ documents/ test procedures approved by BHEL/ Customer for 200/20 T capacity, Double girder EOT cranes with 29.0 M lift of main hook, 34.5M lift of auxiliary hook, 33.45 M span with all accessories including LT hydraulic storm/parking brakes, temporary cable, isolating switch and power cable from isolating switch to DSL,, Erection and commissioning spares for the total scope defined as per technical specification PE-TS-387-501-A001.	2 sets.			
2.2.0	Total lumpsum firm price for erection and commissioning, trial run at site and successful load testing in line with drawings/ documents/ test procedures approved by BHEL/ Customer for PVC shrouded bus bar type DSL for 276.5 M bay length complete with all accessories for the total scope defined as per technical specification PE-TS-387-501-A001.	1 set			
2.3.0	Total lumpsum firm price for erection and commissioning, trial run at site and successful load testing in line with drawings/ documents/ test procedures approved by BHEL/ Customer for 276.5 M bay length Gantry rail complete with all accessories for the total scope defined as per technical specification PE-TS-387-501-A001.	1 set			
2.4.0	Lump sum price for erection and commissioning, trial run at site and successful load testing of temporary cables for operation of crane during erection stage of the plant.	2 set			
2.5.0	Total lumpsum firm price for erection and commissioning, trial run at site, and successful load testing in line with drawings/ documents/ test procedures approved by BHEL/ Customer for Lifting beams & slings for tandem operation complete with all accessories for the total scope defined as per technical specification PE-TS-387-501-A001.	1 set			
2.6.0	Total of 2.0.0 (2.1.0 to 2.5.0)				

Note : Total Erection & Commissioning charges should be minimum 10% of the total quoted price of package, falling which the break-up of prices shall be adjusted accordingly for ordering.

A. K. Singh

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OPERATION & MAINTENANCE - PRICE SCHEDULE FOR DOUBLE GIRDER TG HALL EOT CRANES WITH TANDEM OPERATION

S. No	DESCRIPTION OF EQUIPMENT / ITEM	Qty	O & M service charges (Rs.)	Service tax for & M service	O (Rs.)	Total Lumpsum Price (Rs.)
1	2	3	4	5	6	6
1.0.0	Total lumpsum firm price for providing OPERATION AND MAINTENANCE SERVICE including manpower, supervision, consumables etc for operation & maintenance of cranes after commissioning for 24 months & final handing over to end customer as required for 200/20 T capacity, Double girder EOT cranes with all accessories for the total scope defined as per technical specification.	Two cranes for 24 months i.e, 48 crane months				
NOTES	1) Bidder to note that total price indicated above at 1.0.0 shall be considered for evaluation & hence must be completed in all respect for the full scope defined & considering all terms and conditions agreed.					
	2) Any item not included in the price quoted above and shown separately will not be taken cognizance of and the offer shall be liable for rejection.					
	3) Bidder to note that for comparison amongst bidders, two years rate quoted for O & M service shall be considered while payment shall be made monthly based on per month rate derived from the same.					

Signature