

Annexure-A

NAME OF PROJECT:		4x225 MW ARUN-3 HEP		
NAME OF PACKAGE:		100T/20T TRANSFORMER CAVERN AREA DOUBLE GIRDER EOT CRANE		
TECHNICAL SPECIFICATION:		PE-TS-437-501-A003		
S. No.	DESCRIPTION	HSN/SAC CODE	UNIT	QTY
1.0	Total lump sum firm price for SUPPLY PART, SERVICE PART (SUPERVISION & MAINTENANCE SERVICES) & 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 along with all accessories and spares for erection, start up and commissioning as required, forwarding, proper packing, shipment and delivery as per SCC including warranty, supervision of erection and commissioning of crane, supervision of load & overload testing at site, supervision of erection of sole plate, anchor bolts and required accessories for rail & DSL fixing, training of operators at site and routine maintenance/ breakdown maintenance service of crane for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.			
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, training, maintenance tools & tackles, fill of lubricants & consumables along with all accessories and spares for erection, start up and commissioning as required, forwarding, proper packing, shipment and delivery as per NIT including warranty of crane for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	8426 11 00	Lot	1
2.2	Total lump sum firm price for SERVICE part comprising of Supervision of erection and commissioning of crane, supervision of load & overload testing at site, supervision of erection of sole plate, anchor bolts and required accessories for rail & DSL fixing, training of operators at site for crane for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.(Price break up of service part is to be furnished as per Annexure- I).	998732	Lot	1
2.3	Total lumpsum firm prices for MAINTENANCE SERVICE including manpower, consumables, wear/tear parts etc. for crane after load/ overload testing with all accessories for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order (Price break up of Maintenance services is to be furnished as per Annexure- II).	998719	Lot	1
2.4	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 as per NIT including warranty as per tender technical specification above, amendment & agreements till placement of order. (Price break up of mandatory spares is to be furnished as per Annexure- III).	8431 49 20	Lot	1
Note: 1) Bidder to note that there shall be no implication with reference to change of span upto (+/-) 500 mm and lift upto (+/-) 1000 mm as indicated in CCD. 2) Bidder to quote the Prices in ‘figures’ along with corresponding ‘words’.				

ANNEXURE I: PRICE BREAKUP FOR SERVICE PART

NAME OF PROJECT:		4x225 MW ARUN-3 HEP		
NAME OF PACKAGE:		100T/20T TRANSFORMER CAVERN AREA DOUBLE GIRDER EOT CRANE		
TECHNICAL SPECIFICATION:		PE-TS-437-501-A003		Rev 00
S. No.	DESCRIPTION	HSN/SAC CODE	UNIT	QTY
1.0	Total lump sum firm price for SERVICE part comprising of Supervision of erection and commissioning of crane, supervision of load & overload testing at site, supervision of erection of sole plate, anchor bolts and required accessories for rail & DSL fixing, training of operators at site for crane for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.(Price break up of service part is to be furnished as per Annexure- I).			
2.0	Break Up Prices of 1.0			
2.1	Total lump sum prices for visits (should include travel expenses to/ from site, visa/ insurance (if applicable), intermediary stay) for Supervision of erection and commissioning for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	998732	Nos.	4
2.2	Total lump sum prices for Supervision of erection and commissioning (in days) for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	998732	days	20
2.3	Total of 2.0 (2.1. to 2.2)			

Note:

1. No. of days at site defined at S.N. 2.2 above shall be calculated on the basis of presence at site (travel time is excluded).
2. No. of Visits and days for supervision of E & C, Load testing, erection of sole plate and DSL may vary, depending upon site requirement. Any variation in no. of visits & no. of days shall be exercised based on unit rate arrived from S.N. 2.1 & 2.2 above respectively.
3. Bidder to quote the Prices in 'figures' along with corresponding 'words'.

Particulars of bidder / authorised representative

Nam	Designation	Signature		Date	Company Seal

ANNEXURE II: PRICE BREAKUP FOR ROUTINE MAINTENANCE/BREAKDOWN MAINTENANCE

NAME OF PROJECT:	4x225 MW ARUN-3 HEP	Rev 00
NAME OF PACKAGE:	100T/20T TRANSFORMER CAVERN AREA DOUBLE GIRDER EOT CRANE	
TECHNICAL SPECIFICATION:	PE-TS-437-501-A003	

S. No.	DESCRIPTION	HSN/SAC CODE	UNIT	QTY
1.0	Total lumpsum firm price for MAINTENANCE SERVICE including manpower, consumables, wear/tear parts etc. for crane after load/ overload testing with all accessories for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.			
2.0	Break Up Prices of 1.0			
2.1	Total lump sum prices for visits (should include travel expenses to/ fro site, visa/ insurance (if applicable), intermediary stay) including required consumables & replacment of wear/ tear parts for Maintenance services for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	998719	Nos.	4
2.2	Total lump sum prices for Maintenance services (in days) for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	998719	days	20
2.3	Total of 2.0 (2.1. to 2.2)			

Note:

- No. of days at site defined at S.N. 2.2 above shall be calculated on the basis of presence at site (travel time is excluded).
- No. of Visits and days for maintenance service may vary, depending upon site requirement. Any variation in no. of visits & no. of days shall be exercised based on unit rate arrived from S.N. 2.1 & 2.2 above respectively.
- Bidder to quote the Prices in 'figures' along with corresponding 'words'.
- Replacment of damaged items during maintenance have to be replaced by bidder which are already covered under requirement of warranty as defined under SUPPLY PART and detail as mentioned in BHEL NIT & tender technical specification, amendment & agreements till placement of order.

Particulars of bidder / authorised representative

Nam	Designation	Signature		Date	Company Seal

ANNEXURE-III
LIST OF MANDATORY SPARES FOR STAGE -1

NAME OF PROJECT:		4x225 MW ARUN-3 HEP	Rev 00
NAME OF PACKAGE:		100T/20T TRANSFORMER CAVERN AREA DOUBLE GIRDER EOT CRANE	
TECHNICAL SPECIFICATION:		PE-TS-437-501-A003	
Sl. No.	DESCRIPTION	Total Quantity	AMOUNT (Ex-Works)
1)	Pair of brake shoe with lining for each size of brake used viz. D.C. operated E.M, or Hydraulic thruster operated.	2 Sets	
2)	Pair of brake linings with rivets for each size of brake used.	2 Sets	
3)	Main springs for each size of brake used.	2 Nos.	
4)	Brake coils for each size of brake used.	2 Sets	
5)	Thruster of each size used.	1 No. each	
6)	Pair of oil seals for each gear box used on crane.	2 Sets	
7)	Contactors of each size used.	2 Sets	
8)	Fixed & moving contacts of each size contactor used.	2 Sets	
9)	3 Nos. Coils for each size of contactor used.	1 Set each	
10)	Overload relay for each motor.	1 No.	
11)	3 No. fuse links of each sizes used on crane	2 Sets	
12)	1 Printed circuit breaker of each size and type	1 Set	
13)	Complete set of lamps for lightning and signals	1 Set	
14)	Fuse links of each size used	2 Sets	
15)	Segment of DSL including fitting, jointing, clamping etc.	Equivalent to 1 phase installed length	
16)	LT Bearings	50% of installed bearings in crane	
17)	CT Bearings	2 no.	
18)	Motor of each size	1 no.	
19)	Flood light illumination	50 % of installed	
20)	Load cell	1 set	
21)	Indication lamp of DSL	1 set	
22)	MCCB and Fuses	1 set each	
23)	Auxiliary relay, contactor and timers	5 nos. each	
24)	Communication Card/cable	One set for one complete crane	
25)	I/O Card	One set for one complete crane	
26)	Processors	One set for one complete crane	
27)	Indicating lamps	One set for one complete crane	
28)	VVVF drive	One set for one complete crane	
29)	Any other items for completeness of system.	10% of installation	
NOTES			
1 Mandatory spares listed above is bare minimum requirement. In case any additional mandatory spares requirement is covered elsewhere in the tender specification, same shall be deemed to have been covered in bidders scope of supply.			
2 All mandatory spares shall be supplied as per the requirement of the specifications. In case any spare indicated in the specification is "not applicable" for particular equipment, then suitable applicable alternate spare has been offered / shall be supplied by the bidder without any financial implication."			
3 For quantities indicated in percentage, fractions are to be rounded-off to next higher integer.			
4 Bidder to write "Quoted / Not Applicable" against all items. Any item which is quoted as "not applicable" by the bidder in the above list and is found to be "applicable" at a later date shall be supplied by the bidder without any commercial and delivery implication.			
5 Any cell left blank in the unpriced schedule shall be treated as "Quoted" and is included in total price.			
6 For Sl.no 29 of mandatory spare list - Refer attached customer specification (sub section IA , clause no 23.1.1 (H))			
Particulars of bidder / authorised representative			
Name	Designation	Signature & company seal	