



ENQUIRY NO.-PE/PG/MAJIE-6332/2019 Dtd. 07.11.2019

Package : Misc. Pumps - Horizontal

PROJECT:- 1X660 MW BHUSAWAL TPS

BOQ Cum PRICE SCHEDULE

S/L. No.	DESCRIPTIONS OF WORKS OR EQUIPMENT	Unit	Qty	HSN CODE	Currency in Rs.			Total FOR SITE Price (Rs.)												
					Unit Ex-Works price Including Packing and Forwarding	Total Ex-Work Price Including Packing and Forwarding Charges (Rs.)	FREIGHT@....In % of Ex-works Price (Rs.)		IGST /CGST+ SGST@....% (on total Ex-works Price + Freight Charges)											
1.0	Total price for design, manufacture, assembly, inspection, testing, properly packed for transportation and delivery of Misc. pumps including motors (as applicable), special tools/tackles, commissioning spares, installation checks and supervision of replacement of gland packing with mechanical seal arrangement (if applicable) and PG Test at site, all accessories, auxiliaries etc and mandatory spares as specified in Technical specification (No: PE-TS-415-100-N001 Rev 00) for MISC PUMPS.																			
									Pumps and Motor (Horizontal Pumps):											
										(i) CYCLE MAKE-UP PUMPS										
																Pump price:	No's	2	8413	
																Motor price:				
																Pump/ Motor accessories (As applicable)				
										Mandatory Spares (as per Annexure -A)	Lot	1	8413							
										(ii) DM WATER TRANSFER PUMPS										
																	Pump price:	No's	2	8413
																	Motor price:			
Pump/ Motor accessories (As applicable)																				
Mandatory Spares (as per Annexure -A)	Lot	1	8413																	
(iii) BOILER FILL PUMPS																				
									Pump price:	No's	2	8413								
													Motor price:							
													Pump/ Motor accessories (As applicable)							
													Mandatory Spares (as per Annexure -A)							
									(iv) DMCW-TG AUX'S PUMPS											
																	Pump price:	No's	3	8413
																	Motor price:			
																	Pump/ Motor accessories (As applicable)			
									Mandatory Spares (as per Annexure -A)	Lot	1	8413								
(v) DMCW-SG AUX'S PUMPS																				
									Pump price:	No's	2	8413								
													Motor price:							
													Pump/ Motor accessories (As applicable)							
													Mandatory Spares (as per Annexure -A)							
									(vi) DMCW-SG AUX'S PUMPS											
																	Pump price:	No's	1	8413
																	Motor price:			
																	Pump/ Motor accessories (As applicable)			
									Mandatory Spares (as per Annexure -A)	Lot	1	8413								
2.0	Cost of site visits for Installation Checks and replacement of Gland packing with Mechanical Seal (if applicable) as per technical specification/NIT) 4 nos. site visits for 3 days each.																			
									Charges per visit	Visit	4	99833								
													Motor price:							
													Pump/ Motor accessories (As applicable)							
													Mandatory Spares (as per Annexure -A)							
									(vii) DMCW-SG AUX'S PUMPS											
																	Pump price:	No's	2	8413
																	Motor price:			
																	Pump/ Motor accessories (As applicable)			
									Mandatory Spares (as per Annexure -A)	Lot	1	8413								
3.0	PG Test at site																			
									Manday Charges	Days	12	99833								
													Charges per visit	Visit	4	99833				
													Motor price:							
TOTAL (1.0+ 2.0+3.0)																				

NOTES:

- Bidder to indicate cost of site visits for installation check & replacement of gland packing with Mechanical seal (as applicable), in their price in 2.0 above. Further additional site visit per day charges shall be as obtained prorata as 2.0 above.
- Unit price quoted by bidder, as above, shall be binding for any quantity variation, which is at the discretion of purchaser.
- Price of commissioning & erection spares, special Tools & tackle and other accessories not listed above shall be included in the price of pump & shall be supplied with the pump.
- Indicate all taxes, duties etc. stating whether included/ excluded in above prices.
- Please refer technical specification for detail.

Currency In Rs.													
SL No.	DESCRIPTIONS OF WORKS OR EQUIPMENT	Unit	Qty	HSN CODE	Unit Ex-Works price including Packing and Forwarding	Total Ex-Work Price Including Packing and Forwarding Charges (Rs.)	FREIGHT@....% of Ex-works Price (Rs.)	IGST / (CGST+ SGST)@....% (on total Ex-works Price + Freight Charges)	Total FOR SITE Price (Rs.)				
1) Mandatory Spare Note: i). Whenever the quantity is indicated as a percentage, it shall mean percentage of total population of that item in the station (project) unless specified otherwise, and the fraction will be rounded off to the next higher whole number. Wherever the requirement has been specified a 'set', it will include the total requirement of the item for a unit, module or the station or as specified. Where it is not specified, a 'set' would mean the requirement for the single equipment/system as the case may be. Also, the 'set' would include all components required to replace the item. ii). 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 as above.													
Bidder shall furnish this price Schedule Indicating "Quoted/Not-Quoted" along with technical offer & actual price only in the system generated bidding form in E-procurement portal.													
NAME					DESIGNATION					SIGNATURE			

[Handwritten Signature]

S. No.		ITEM DESCRIPTION	MANDATORY SPARES LIST	QTY	HSN CODE	Total Ex-Work Price Including Packing and Forwarding Charges (Rs.)	FREIGHT@... ..in % of Ex-works Price (Rs.)	IGST/ (CGST+ SGST) @....% (on total Ex-works Price + Freight Charges) (Rs.)	Total FOR SITE Price (Rs.)
ANNEXURE-A									
Package : Misc. Pumps - Horizontal									
Project:- 1 X 660 MW BHUSAWAL STPP									
MANDATORY SPARES FOR MISC PUMPS (HORIZONTAL) FOR 1 X 660 MW BHUSAWAL TPS									
1.0			MANDATORY SPARES PRICES-PUMPS (HORIZONTAL)						
			SPARES FOR PUMPS						
			1.1.1.1 Impellers	1 LOT (One (1) set for each type)	84139120				
			1.1.1.2 Wearing rings	1 LOT (One (1) set for each type)	84139120				
			1.1.1.3 Pumps bearings	1 LOT (One (1) set for each type)	84139120				
			1.1.1.4 Motor bearings	1 LOT (One (1) set for each type)	84139120				
			1.1.1.5 Pump shaft	1 LOT (One (1) set for each type)	84139120				
			1.1.1.6 Shaft sleeves	1 LOT (One (1) set for each type)	84139120				
			1.1.1.7 Gaskets, dust seals and 'O' ring etc.	1 LOT (Two (2) sets for each type)	84139120				
			1.1.1.8 Nut and bolts etc.	1 LOT (Two (2) sets for each type)	84139120				
			1.1.1.9 Mechanical seal	1 LOT (One (1) set for each type)	84139120				
			1.1.1.10 Complete set of coupling with accessories	1 LOT (One (1) set for each type)	84139120				
			1.1.1.11 Shaft nuts & keys	1 LOT (One (1) set for each type)	84139120				
			LT MOTOR SPARES						
			1.1.2.1 Terminal plates for motors upto 30kw for each rating	1 LOT (1 nos. For each type & rating of Motor)	84139120				
			1.1.2.2 Terminal plates for motors above 30kw for each rating	1 LOT (1 nos. For each type & rating of Motor)	84139120				
			1.1.2.3 Heaters	1 LOT (1 set For each type & rating of Motor)	84139120				
			1.1.2.4 Greasing arrangements	1 LOT (1 set For each type & rating of Motor)	84139120				
			1.1.2.5 Motor of each type and rating	1 LOT (10% of the installed quantity or minimum 1 number whichever is higher)	84139120				
			1.1.2.6 Bearings (DE and NDE)	1 LOT (1 set For each type & rating of Motor)	84139120				
			1.1.2.7 End shield cover (driving and non driving end)	1 LOT (1 set For each type & rating of Motor)	84139120				
			1.1.2.8 Cooling fan	1 LOT (1 set For each type & rating of Motor)	84139120				
			1.1.2.9 Motor terminal block	1 LOT (1 set For each type & rating of Motor)	84139120				
			1.1.2.10 Complete set of coupling	1 LOT (1 set For each type & rating of Motor)	84139120				

Signature

S. No.	ITEM DESCRIPTION	MANDATORY SPARES LIST	QTY	HSN CODE	Total Ex-Work Price including Packing and Forwarding Charges (Rs.)	FREIGHT@... ..In % of Ex-works Price (Rs.)	IGST/ (CGST+ SGST) @....% (on total Ex-works Price + Freight Charges) (Rs.)	Total FOR SITE Price (Rs.)
1.2	DM WATER TRANSFER PUMPS	SPARES FOR PUMPS			84139120			
		1.2.1.1 Impellers	1 LOT (One (1) set for each type)	84139120				
		1.2.1.2 Wearing rings	1 LOT (One (1) set for each type)	84139120				
		1.2.1.3 Pumps bearings	1 LOT (One (1) set for each type)	84139120				
		1.2.1.4 Motor bearings	1 LOT (One (1) set for each type)	84139120				
		1.2.1.5 Pump shaft	1 LOT (One (1) set for each type)	84139120				
		1.2.1.6 Shaft sleeves	1 LOT (One (1) set for each type)	84139120				
		1.2.1.7 Gaskets, dust seals and 'O' ring etc.	1 LOT (Two (2) sets for each type)	84139120				
		1.2.1.8 Nut and bolts etc.	1 LOT (Two (2) sets for each type)	84139120				
		1.2.1.9 Mechanical seal	1 LOT (One (1) set for each type)	84139120				
		1.2.1.10 Complete set of coupling with accessories	1 LOT (One (1) set for each type)	84139120				
		1.2.1.11 Shaft nuts & keys	1 LOT (One (1) set for each type)	84139120				
		LT MOTOR SPARES			84139120			
		1.2.2.1 Terminal plates for motors upto 30kw for each rating	1 LOT (1 nos. For each type & rating of Motor)	84139120				
		1.2.2.2 Terminal plates for motors above 30kw for each rating	1 LOT (1 nos. For each type & rating of Motor)	84139120				
		1.2.2.3 Heaters	1 LOT (1 set For each type & rating of Motor)	84139120				
		1.2.2.4 Greasing arrangements	1 LOT (1 set For each type & rating of Motor)	84139120				
		1.2.2.5 Motor of each type and rating	1 LOT (10% of the installed quantity or minimum 1 number whichever is higher)	84139120				
		1.2.2.6 Bearings (DE and NDE)	1 LOT (1 set For each type & rating of Motor)	84139120				
		1.2.2.7 End shield cover (driving and non driving end)	1 LOT (1 set For each type & rating of Motor)	84139120				
		1.2.2.8 Cooling fan	1 LOT (1 set For each type & rating of Motor)	84139120				
		1.2.2.9 Motor terminal block	1 LOT (1 set For each type & rating of Motor)	84139120				
		1.2.2.10 Complete set of coupling	1 LOT (1 set For each type & rating of Motor)	84139120				

Q. P. Singh

S. No.	ITEM DESCRIPTION	MANDATORY SPARES LIST	QTY	HSN CODE	Total Ex-Work Price Including Packing and Forwarding Charges (Rs.)	FREIGHT@... ..In % of Ex-works Price (Rs.)	IGST/ (CGST+ SGST) @....% (on total Ex-works Price + Freight Charges) (Rs.)	Total FOR SITE Price (Rs.)
1.3	BOILER FILL PUMPS	SPARES FOR PUMPS			84139120			
		1.3.1.1	Impellers	1 LOT (One (1) set for each type)	84139120			
		1.3.1.2	Wearing rings	1 LOT (One (1) set for each type)	84139120			
		1.3.1.3	Pumps bearings	1 LOT (One (1) set for each type)	84139120			
		1.3.1.4	Motor bearings	1 LOT (One (1) set for each type)	84139120			
		1.3.1.5	Pump shaft	1 LOT (One (1) set for each type)	84139120			
		1.3.1.6	Shaft sleeves	1 LOT (One (1) set for each type)	84139120			
		1.3.1.7	Gaskets, dust seals and 'O' ring etc.	1 LOT (Two (2) sets for each type)	84139120			
		1.3.1.8	Nut and bolts etc.	1 LOT (Two (2) sets for each type)	84139120			
		1.3.1.9	Mechanical seal	1 LOT (One (1) set for each type)	84139120			
		1.3.1.10	Complete set of coupling with accessories	1 LOT (One (1) set for each type)	84139120			
		1.3.1.11	Shaft nuts & keys	1 LOT (One (1) set for each type)	84139120			
			C&I SPARES		84139120			
	TEMPERATURE ELEMENTS			84139120				
	1.3.2.1	RTDs of each type & length	10% or 2 nos. whichever is more	84139120				
	1.3.2.2	Thermowell for T/C & RTDs	10% or 1 no. of each type, rating, length used in the system whichever is more.	84139120				
		SPARES FOR PUMPS			84139120			
	1.4.1.1	Impellers	1 set (as required for one pump)	84139120				
	1.4.1.2	Wearing rings	1 set (as required for one pump)	84139120				
	1.4.1.3	Pumps bearings	1 set (as required for one pump)	84139120				
	1.4.1.4	Motor bearings	1 set (as required for one pump)	84139120				
	1.4.1.5	Pump shaft	1 set (as required for one pump)	84139120				
	1.4.1.6	Shaft sleeves	1 set (as required for one pump)	84139120				
	1.4.1.7	Gaskets, dust seals and 'O' ring etc.	2 sets (as required for one pump)	84139120				
	1.4.1.8	Nut and bolts etc.	1 set (as required for one pump)	84139120				
	1.4.1.9	Mechanical seal	1 set (as required for one pump)	84139120				

Signature

S. No.	ITEM DESCRIPTION	MANDATORY SPARES LIST	QTY	Currency In Rs.				Total FOR SITE Price (Rs.)
				HSN CODE	Total Ex-Work Price Including Packing and Forwarding Charges (Rs.)	FREIGHT@... In % of Ex-works Price (Rs.)	IGST/ (CGST+ SGST) @....% (on total Ex-works Price + Freight Charges) (Rs.)	
1.4	DMCW TG PUMP	LT MOTOR SPARES		84139120				
		Terminal plates for motors upto 30kw for each rating	1 LOT (1 nos. For each type & rating of Motor)	84139120				
		Terminal plates for motors above 30kw for each rating	1 LOT (1 nos. For each type & rating of Motor)	84139120				
		Heaters	1 LOT (1 set For each type & rating of Motor)	84139120				
		Greasing arrangements	1 LOT (1 set For each type & rating of Motor)	84139120				
		Motor of each type and rating	1 LOT (10% of the installed quantity or minimum 1 number whichever is higher)	84139120				
		Bearings (DE and NDE)	1 LOT (1 set For each type & rating of Motor)	84139120				
		End shield cover (driving and non driving end)	1 LOT (1 set For each type & rating of Motor)	84139120				
		Cooling fan	1 LOT (1 set For each type & rating of Motor)	84139120				
		Motor terminal block	1 LOT (1 set For each type & rating of Motor)	84139120				
1.5	DMCW SG PUMP	Complete set of coupling	1 LOT (1 set For each type & rating of Motor)	84139120				
		SPARES FOR PUMPS		84139120				
		Impellers	1 set (as required for one pump)	84139120				
		Wearing rings	1 set (as required for one pump)	84139120				
		Pumps bearings	1 set (as required for one pump)	84139120				
		Motor bearings	1 set (as required for one pump)	84139120				
		Pump shaft	1 set (as required for one pump)	84139120				
		Shaft sleeves	1 set (as required for one pump)	84139120				
		Gaskets, dust seals and 'O' ring etc.	2 sets (as required for one pump)	84139120				
		Nut and bolts etc.	1 set (as required for one pump)	84139120				
1.5	DMCW SG PUMP	Mechanical seal	1 set (as required for one pump)	84139120				
		LT MOTOR SPARES		84139120				
		Terminal plates for motors upto 30kw for each rating	1 LOT (1 nos. For each type & rating of Motor)	84139120				
		Terminal plates for motors above 30kw for each rating	1 LOT (1 nos. For each type & rating of Motor)	84139120				
		Heaters	1 LOT (1 set For each type & rating of Motor)	84139120				
		Greasing arrangements	1 LOT (1 set For each type & rating of Motor)	84139120				
		Motor of each type and rating	1 LOT (10% of the installed quantity or minimum 1 number whichever is higher)	84139120				
		Bearings (DE and NDE)	1 LOT (1 set For each type & rating of Motor)	84139120				
		End shield cover (driving and non driving end)	1 LOT (1 set For each type & rating of Motor)	84139120				
		Cooling fan	1 LOT (1 set For each type & rating of Motor)	84139120				
1.5	DMCW SG PUMP	Motor terminal block	1 LOT (1 set For each type & rating of Motor)	84139120				
		Complete set of coupling	1 LOT (1 set For each type & rating of Motor)	84139120				
		SPARES FOR PUMPS		84139120				
		Impellers	1 set (as required for one pump)	84139120				
		Wearing rings	1 set (as required for one pump)	84139120				
		Pumps bearings	1 set (as required for one pump)	84139120				
		Motor bearings	1 set (as required for one pump)	84139120				
		Pump shaft	1 set (as required for one pump)	84139120				
		Shaft sleeves	1 set (as required for one pump)	84139120				
		Gaskets, dust seals and 'O' ring etc.	2 sets (as required for one pump)	84139120				