

89

PRICE FORMAT - FOR INDIAN BIDDERS

PRICE FORMAT - FOR INDIAN BIDDERS												
NAME OF PROJECT:		4X270 MW BHADRADRI TPS										
NAME OF PACKAGE:		SEWAGE TREATMENT PLANT										
TECHNICAL SPECIFICATION:		PE-TS-411-673-A001										
		SUPPLY							SERVICES		GRAND TOTAL	
S. No.	DESCRIPTION	UNIT	QTY	AMOUNT (Ex-Works)	Excise Duty@....% (ON SELF MANUFACTURED ITEMS ONLY)	CST @% Against C- form & E1/E2 or VAT @.....% Whichever is applicable (INR)	FREIGHT CHARGES INCLUDING SERVICE TAX) @ % OF TOTAL EX- WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	TOTAL SERVIC ES CHARG ES (INR)	SERVIC E TAX @% (INR)	TOTAL SERVICES CHARGES INCLUDING SERVICE TAX (INR)	TOTAL LUMP SUM PRICE FOR SUPPLY AND SERVICES WITH TAXES AND DUTIES (INR)
1.0	Total lump sum firm price inclusive of all prevailing taxes, duties and other levies for SUPPLY PART , SERVICES 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 vendors & sub-vendor's works, painting, maintenance tools & tackles (as applicable), fill of lubricants & consumables (excluding chemicals) , 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, minor civil works, erection & commissioning, trial run at site, preparation of drawings in 3D (if applicable) and carrying out performance guarantee /Functional / Demonstration tests at site (As applicable), training of customer/ client O&M staff (if applicable) & final handing over to end customer in flawless condition 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.	Set	1	1	2	3	4	5=1+2+3 +4	6	7	8=6+7	9=5+8
2.0	MAJOR BREAK-UP OF PRICES GIVEN IN 1.0 ABOVE.											
2.1	Total lump sum firm price inclusive of all prevailing taxes, duties and other levies 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 vendors & sub-vendor's works, painting, maintenance tools & tackles (as applicable),fill of lubricants & consumables(excluding chemicals), alongwith spares for erection , startup and commissioning as required, forwarding, proper packing, shipment and delivery at site, preparation of drawings in 3D (if applicable), 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.	Set	1									
2.2	Total lump sum firm price inclusive of all prevailing taxes, duties and other levies for the SERVICES PART comprising of unloading, handling, transportation & storage at site, in site transportation, assembly, minor civil works, erection & commissioning, final painting at site, trial run at site and carrying out performance guarantee /Functional / Demonstration tests at site (As applicable), training of customer/ client O&M staff (if applicable) & final handing over to end customer in flawless condition 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.	Set	1									
2.3	Total lumpsum firm price inclusive of all prevailing taxes, duties and other levies for Mandatory spares comprising of manufacture, fabrication, assembly, inspection / testing (as applicable) at vendors & 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. (Price break up of mandatory spares is to be furnished as per Annexure- I).	Lot	1									

Note-
1. Evaluation shall be done one the basis of total Lump sum prices for complete supply and services. Total price indicated above at Column (9) minus service tax quoted at Column (7) of 1.0 shall be considered for evaluation & hence must be completed in all respect for the full scope defined & considering all terms and conditions agreed. Further Swachh Bharat Cess i.e.0.5% of Service tax rate is not cenvatable. Hence, this 0.5% component of Cess shall be considered for Evaluation.
2. Vendor to quote prices in words also.

Signature

58

PRICE FORMAT - FOR INDIAN BIDDERS									
ANNEXURE-I									
LIST OF MANDATORY SPARES									
NAME OF PROJECT:				4X270 MW					
NAME OF PACKAGE:				SEWAGE TREATMENT PLANT					
TECHNICAL SPECIFICATION:				PE-TS-411-673-A001					
S. N.	DESCRIPTION	UNIT	QTY	UNIT EX- WORKS PRICE INCLUDING P&F (INR)	TOTAL EX- WORKS PRICE INCLUDING P&F (INR)	Exclsd Duty @ % (ON SELF MANUFACTURED ITEMS ONLY)	CST @% Against C- form & E1/E2 or VAT @% Whichever is applicable (INR)	FREIGHT CHARGES INCLUDING SERVICE TAX @% OF TOTAL EX- WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)
				1	2	3	4	5	6=2+3+4+5
i	Complete Casting including suction (if applicable) bell	Set	1						
ii	Impeller	Set	1						
iii	Impeller key	Number	1						
iv	Wearing rings (Impeller & Casing - as applicable)	Set	2						
v	Impeller shaft, line shaft and head shaft	Set	1						
vi	Shaft sleeves	Set	2						
vii	Stuffing box	Set	1						
viii	Coupling between Pump & motor, bushes, pins with all fasteners & coupling Guards	Set	1						
ix	Line Shaft Couplings (if applicable)	Set	1						
x	Impeller, Line and Head shaft bearings (as applicable)	Set	1						
xi	Gland Packing & Gland Assembly	Set	1						
xii	Mechanical seal as applicable	Set	1						
2	HORIZONTAL CENTRIFUGAL PUMPS (FOR EACH TYPE AND SIZE)								
i	Impeller for each type	Set	1						
ii	Wearing rings - Impeller for each type (if applicable)	Set	1						
iii	Wearing rings - Casing for each type (if applicable)	Set	1						
iv	Shaft for each type	Set	1						
v	Shaft sleeves for each type	Set	1						
vi	Stuffing box for each type	Set	1						
vii	Coupling between Pump & motor, bushes, pins with all fasteners & coupling Guards	Set	1						
viii	Pump bearings for each type	Set	1						
ix	Gland Packing & Gland Assembly for each type	Set	1						
x	Mechanical seal as applicable	Set	1						
xi	Impeller key	Number	1						
3	AGITATORS (FOR EACH TANK AS APPLICABLE)								
i	Agitator Assembly with Gear Box	Set	1						
4	MOTOR								
i	Motor bearing for each type of pump	Set	1						
5	VALVES AND PIPING								
i	Piping valves & traps - Complete assembly	5% or min. 1 no. (whichever is more) for each size, type & rating for total population							
6	MANDATORY SPARES FOR CONTROL SYSTEM AND MEASURING INSTRUMENTS								
6.1	Mandatory Spares for Temperature Elements and Thermowells								
6.1.1	Thermocouple / RTD elements (10% of each type and length of elements, or a minimum of one number, whichever is more.)	Lot	2						
6.1.2	Thermowells for each type of temperature sensors (10% or a minimum of one for each type, whichever is more.)	Lot	2						
6.2	Mandatory Spares for Electronic Transmitters (for pressure, DP, Flow, level, Temperature) and Electrical Transducers.								
6.2.1	Transmitters and Electrical Transducers (10% of total number of offered for each model and type for the project or a minimum of one number, whichever is more)	Lot	2						
6.3	Mandatory spares for local gauges/switch (for Pressure, DP, Temperature, Flow, level, etc.)								
6.3.1	Local gauges/ Switch (for Pressure, DP, Temperature, Flow, level, etc.) (10% of total number of instruments offered for each model and type for the project or a minimum of one number, whichever is more.)	Lot	2						
6.4	Programmable Logical Control (PLC)								
6.4.1	Function controller and control modules (10% of number for each type or minimum of 4 number for each type whichever is high.)	Lot	2						
6.4.2	Process I/O cards and drive modules (10% of the number of cards offered for the project from each category.)	Lot	2						
6.4.3	All other type of electronic modules like CPU of workstation, Power supply modules, communication modules, modules for Data Highway / modules for LAN, controllers not covered above (10% of each type or minimum of 2 nos. of each type whichever is more)	Lot	2						
6.4.4	All cards, controllers, lamp and other components used in LVS	Lot (10%)	2						
6.4.5	Control logic power supply fuses at each current rating (Three times the one hundred percent spare replacement)	Lot	2						
6.4.6	Electric to pneumatic converters (10% of each type utilized with automatic control system using pneumatic drives or a minimum of one of each type, whichever is more)	Lot	2						
6.4.7	Plug-in type keyboard	2 No. of each type							
6.4.8	Dot matrix Printer	No.	2						
6.4.9	CRT	No.	2						
6.4.10	DVDs	Nos.	40						
6.4.11	Printer ribbons/jacking mechanism for colour printer	Nos.	20						
6.4.12	Ribbons for dot matrix printer	Nos.	60						
6.4.13	Data highway cable with adequate connectors	meters	500						
6.4.14	Hard disc drive unit as offered for system complete with accessories	No.	2						
6.4.15	Interface cables for each type	Sets	4						
6.4.16	Power supply modules of each type and rating	Lot (10%)	2						
6.4.17	Interposing / coupling relays of each type	2 Lot (5% of total quantity)							
6.5	MANDATORY SPARES FOR UN-INTERRUPTIBLE POWER SUPPLY SYSTEM								
6.5.1	Fuses (3 times, the one hundred percent spare replacement fuses shall be furnished with each panel board)	Lot	2						
6.5.2	Electronic modules for UPS, Charger, static switch & stabilizer and DC power supply system with each set consisting of at least one number of each type of electronic module for inverters, chargers, static switch, stabiliser etc.	Set	2						
6.5.3	Battery cells	Lot (10%)	2						
6.5.4	Thyristor without heat sink	Lot (10%)	2						
6.5.5	Semiconductor fuse	2 Lot (10%)	2						
6.6	Mandatory Spares for Control Panels / Desks								
6.6.1	Stripping Pins	2 Rolls	2						
6.6.2	Bulbs for indicating lights (Three times the one hundred percent spare replacement)	Lot	2						
6.6.3	Control circuit fuses of each current rating (Three times, the one hundred percent spare replacement)	Lot	2						
6.6.4	Push buttons, electrical control switches and illuminated push buttons etc.	Lot (20%)							
7	HORIZONTAL SCREW PUMPS (FOR EACH TYPE AND SIZE)								
i	Shaft for each type	Set	1						
ii	Shaft sleeves for each type	Set	1						
iii	Coupling between Pump & motor, bushes, pins with all fasteners & coupling Guards	Set	1						
iv	Pump bearings for each type	Set	1						
v	Gland Packing & Gland Assembly for each type	Set	1						
8	AIR BLOWER (FOR EACH TYPE AND SIZE)								
i	V Belt	Set	1						
ii	Oil seal	Set	1						
iii	Filter	Set	1						
iv	Bearings for Blower	Set	1						
9	LIST OF MANDATORY SPARES FOR HOIST AND CHAIN PULLEY BLOCK								
	ELECTRIC HOIST (for each type and rating, hoists)								
1	Mechanical Items								
1.1	Bearings for long travel wheels	Set	2						
1.2	Bearings for gear boxes for each type of hoist	Set	2						
1.3	Break liners for all the brakes	100% of total population of each type & size							
1.4	Oil seals	100% of total population of each type, size rating							
1.5	Brake springs for all brakes	100% of total population of each type, size rating							
1.6	Wire rope for hooks	100% installed on each crane and hoist							
1.7	Detected coils for brakes	Set	2						
1.8	Overload relay for motors	Nos.	2						
1.9	Limit switches for hoists and travel mechanisms	Set	2						
1.10	Spare motors for hoists	Nos.	2						
1.11	Long travel machinery	Set	1						
1.12	i. Gear wheel	Set	1						
1.13	ii. Internal clip	Nos.	2						
1.14	iii. Pinion	No.	1						
2	Electrical Items								
2.1	415 Volt Motor (Up to 30 KW Rating)								
2.2	Driving End & Non-Driving End Bearing	3 Set for each type and rating of Motor							
2.3	Cooling Fan	2 Nos. for each type and rating of Motor							
2.4	Motor Terminal Block	5 Nos. for each type and rating of Motor							
2.5	Complete Set of Coupling	1 Set of each application							
3	C&I Items								
3.1	Back-up panel mounted devices (Selector switches/ Push buttons/ Indicators etc.	5% of installed capacity							
3.2	Lamps/ LEDs	10% of the total quantity							
3.3	Blank Tiles	10% of installed capacity							
3.4	MCBs	10% of each type & rating							
3.5	Fuses/ Fuse holder	10% of each type & rating							
	Chain pulley block (for each capacity and type of chain pulley blocks)								
i	Load chain wheel	No.	1						
ii	Load chain stopper fork	Nos.	5						
iii	Hand chain wheel	Nos.	2						
iv	Ratchet pawl	No.	1						
v	Loading ratchet wheel	Nos.	2						
vi	Guide roller	Nos.	2						
vii	Brake disc	Nos.	2						
Note: Mandatory spares listed above is bare minimum requirement. In case any additional mandatory spares requirement is covered elsewhere in the tender specification apart specified above, same shall be deemed to have been covered in bidders scope of supply.									

Enclosed