

2 x 800 MW TANGEDCO UPPUR BTG (UNIT 1 & 2)
CHEMICAL DOSING SYSTEM
BOQ-CUM-PRICE SCHEDULE

					FOR INDIAN BIDDER								FOR FOREIGN BIDDERS	
Sl. No. (1)	Description (2)	HSN CODE FOR EACH ITEM (3)	Unit (4)	Quantity (5)	UNIT EX-WORKS PRICE (DULY PACKED) (INR) (6)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR) (7)	FREIGHT CHARGES (8)		TOTAL PRICES (Ex Works + Freight) (INR) (9)	APPLICABLE GST RATE IN % ON (TOTAL EX WORKS + FREIGHT) BOTH (INR) (10)		TOTAL PRICE F.O.R Prices with taxes (INR) (11)	Unit C&F Chennai Sea Port Price (Currency) (12)	Total C&F Chennai Sea Port Price (Currency) (13)
							@ ----- % of TOTAL EX-WORKS (8A)	AMOUNT (INR) (8B) =[7X8A]		GST RATE IN % ON (TOTAL EX WORKS + FREIGHT) (10A)	TOTAL AMOUNT (INR) (10B) = [9X10A]			
1.0	Total lump sum firm price inclusive of all prevailing taxes, duties and other levies for SUPPLY PART & MANDATORY SPARES (if applicable) 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 (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 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.	84041000	Set	1										
2.0	MAJOR BREAK-UP OF PRICES GIVEN IN 1.0 ABOVE.													
2.1	Prices 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 vendor's & sub-vendor's works, painting, maintenance tools & tackles (as applicable), fill of lubricants & consumables (excluding chemicals), alongwith spares for erection, startup and commissioning spares as required, forwarding, proper packing, shipment and delivery at site for project and package specified above complete with all accessories for following items for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order. (Break-up of prices as per Annexure-I)	84041000	Set	1										
2.2	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 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. (Price break up of mandatory spares is to be furnished as per Annexure-II).	84041000	Lot	1										
Particulars of bidder / authorised representative														

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FOR INDIAN BIDDER															FOR FOREIGN BIDDERS	
Sl. No. (1)	Description (2)	HSN CODE FOR EACH ITEM (3)	Unit (4)	Quantity (5)	UNIT EX-WORKS PRICE (DULY PACKED) (INR) (6)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR) (7)	FREIGHT CHARGES (8)		TOTAL PRICES (Ex Works + Freight) (INR) (9)	APPLICABLE GST RATE IN % ON (TOTAL EX WORKS + FREIGHT) BOTH (INR) (10)		TOTAL PRICE F.O.R Prices with taxes (INR) (11)	Unit C&F Chennai Sea Port Price (Currency) (12)	Total C&F Chennai Sea Port Price (Currency) (13)		
							@ ----- % of TOTAL EX-WORKS (8A)	AMOUNT (INR) (8B) =[7X8A]		GST RATE IN % ON (TOTAL EX WORKS + FREIGHT) (10A)	TOTAL AMOUNT (INR) (10B) = [9X10A]					
BREAK-UP OF SUPPLY PRICES GIVEN IN 2.1 OF MAIN SHEET																
2.1	Prices 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 vendor's & sub-vendor's works, painting, maintenance tools & tackles (as applicable), fill of lubricants & consumables(excluding chemicals), alongwith spares for erection, startup and commissioning spares as required, forwarding, proper packing, shipment and delivery at site for project and package specified above complete with all accessories for following items for the total scope defined as per BHEL NIT & tender technical specification, amendment & agreements till placement of order.	84041000	Set	1												
2.1.1	Hydrazine dosing skid	84041000	No.	2												
2.1.2	Ammonia dosing skid	84041000	No.	2												
2.1.3	NaOH dosing skid	84041000	No.	2												
2.1.4	Supply of Commissioning spares inclusive of all prevailing taxes, duties and other levies etc. (As per BHEL NIT & tender technical specification, amendment & agreements till placement of order.)	84041000	Set	1												
Particulars of bidder / authorised representative																
Name & Designation		Signature		Date		Company Seal										

[Signature]
23.12.17

2 x 800 MW TANGEDCO UPPUR BTG (UNIT 1 & 2)														
CHEMICAL DOSING SYSTEM														
BOQ-CUM-PRICE SCHEDULE (ANNEXURE-II)														
					FOR INDIAN BIDDER								FOR FOREIGN BIDDERS	
Sl. No. (1)	Description (2)	HSN CODE FOR EACH ITEM (3)	Unit (4)	Quantity (5)	UNIT EX- WORKS PRICE (DULY PACKED) (INR) (6)	TOTAL EX- WORKS PRICE (DULY PACKED) (INR) (7)	FREIGHT CHARGES (8)		TOTAL PRICES (Ex Works + Freight) (INR) (9)	APPLICABLE GST RATE IN % ON (TOTAL EX WORKS + FREIGHT) BOTH (INR) (10)		TOTAL PRICE F.O.R Prices with taxes (INR) (11)	Unit C&F Chennai Sea Port Price (Currency) (12)	Total C&F Chennai Sea Port Price (Currency) (13)
							@ ----- % of TOTAL EX-WORKS (8A)	AMOUNT (INR) (8B) =[7X8A]		[7+8B]	GST RATE IN % ON (TOTAL EX WORKS + FREIGHT) (10A)			
	C&I MANDATORY SPARES (FOR EACH UNIT)													
1	Measuring and Field Instruments													
1.1	Indicators, Recorders, Electrical Metering and Skid Mounted Instruments													
A	For skid mounted instruments.	84041000	Nos.	10% of total number of instruments, valves, C&I equipment, C&I item etc. for each Type and model or a minimum of one number for each model and type, whichever is more.										
B	Indicators, recorders and meters offered from each model for the project. These instruments shall be supplied with three sets of blank scales.	84041000	Nos.	10 % of Installed of each type/ Model or a minimum of one Number for each model and type, whichever is more.										
1.2	Temperature, Transmitters and Electronic Transmitters (For Pressure, DP, Temp, Flow, Level), Process Transmitters, Level & Flow Transmitter for each type, Rotameters, Sight Flow indicators, Temperature, Pressure, Flow & Level Switch, safety & Protection switches, Gauges, Process meters, Junction Boxes, Position Transmitters/ switches, Analysers, Transducers, or any other instrument etc.	84041000	Nos.	I. 10% of total number of each item offered for each model and type for the project or a minimum of one number, whichever is more. II. 10% of Electronic card/ PCB assembly and power supply card/ module for each type, model & rating of Transmitter, analyzers & Flow maters										
1.3	Level gauge	84041000	Nos.	I. 10% or 2 nos. whichever is more of each type of illuminators with holder and reflector. II. 20% or 5 nos. whichever is more of each type of bulb. III. 10% or 2 nos. whichever is more of each type of bicolour rollers. IV. 10% or 2 nos. whichever is more of each type of glass along with pair of gaskets cushion & wet gaskets). V. 10% or 2 nos. whichever is more of each type of gaskets for gauge cocks/ valve bonnet/ packing. VI. 10% or 2 nos. whichever is more of each type scale.										
2	Relay Based Control Panels													
A	LEDs for indicating lights.	84041000	Nos.	100% of quantity installed.										
B	Control circuit fuses.	84041000	Nos.	300% of installed of each type, current rating.										
C	Relays modules & contactors.	84041000	Nos.	20% spare of quantity Installed of each type & rating.										

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							@ ----- % of TOTAL EX-WORKS (8A)	AMOUNT (INR) (8B) =[7X8A]		GST RATE IN % ON (TOTAL EX WORKS + FREIGHT) (10A)	TOTAL AMOUNT (INR) (10B) = [9X10A]			
D	Cooling Fans of each type, model and rating.	84041000	Nos.	20% or 2 nos. of each type and rating, (whichever is more).										
E	MCB/MCCB of each rating.	84041000	Nos.	10% of each current rating required.										
F	Push buttons, ILPBs.	84041000	Nos.	Ten (10) percent or 2 nos. (Whichever is more) of each type.										
G	Electric meter.	84041000	Nos.	Ten (10) percent or 2 nos. (whichever is more) of each type.										
H	Power supply modules.	84041000	Nos.	Ten (10) percent or 2 nos. (whichever is more) of each type.										
3	Alarm Annunciation System													
A	Logic modules, group card modules, power supply modules, Hooters and any other electronic module.	84041000	Nos.	20% spares of each type installed.										
B	Un-engraved window boxes complete with LED etc.	84041000	Nos.	5% spares of each size installed.										
C	LEDs for annunciation facia windows and LEDs box assemblies offered for the project.	84041000	Nos.	20% of quantity installed.										
D	Annunciator hooter.	84041000	Nos.	One (1) No. of each type.										
E	MCB, and Power sockets used in LIE/ LIR.	84041000	Nos.	Ten (10) percent of each type.										
F	Fuses used in LIE/ LIR.	84041000	Nos.	Fifty (50) percent of each type.										
4	Erection hardware													
A	Instrument valves, manifold, fittings, impulse pipe, impulse tubes, drains pipes.	84041000	Nos.	Ten (10) percent of each type, rating, model number & Size installed.										
B	Manifold.	84041000	Nos.	Ten (10) percent of each type & Size installed.										
C	Fittings.	84041000	Nos.	Ten (10) percent of each type & Size installed.										
5	Mandatory spares not covered above. Sensor/ instrument, analyzers/ special instruments/ Electronic card, instrumentation/ mechanical fittings etc.	84041000	Nos.	10% or 1 no. (whichever is more) of each type.										
6	100 % spare LED lamps shall be provided with each panel, these are in additional to mandatory spares.	84041000	Nos.											
7	50 % spare fuses shall be provided with each panel, these are in additional to mandatory spares.	84041000	Nos.											
Note: Mandatory spares listed above is bare minimum requirement. In case any additional mandatory spares requirement is covered elsewhere in the tender specification apart from specified above, same shall be deemed to have been covered in bidders scope of supply.														


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