

ENQUIRY No. PE/PG/YAD//E-6668/2021

NAME OF PROJECT: 5X800 MW TSGENCO YADADRI TPS

NAME OF PACKAGE: CHEMICAL DOSING SYSTEM

TECHNICAL SPECIFICATION: PE-TS-417-154-A001

UNPRICED BOQ CUM PRICE FORMAT

S. No.	DESCRIPTION	UNIT	STAGE-I QUANTITY (Unit-1 & 2) (NOS.)	STAGE-II QUANTITY (Unit-3,4 & 5) (NOS.)	TOTAL QTY (stage-I & stage-II)	QUOTED/ NOT QUOTED
1.0	Total lump sum firm price inclusive of all prevailing taxes, duties and other levies for SUPPLY PART & MANDATORY SPARES , 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, startup and commissioning spares , forwarding, proper packing, shipment and delivery at site including supervision of commissioning by experience/capable engineer 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	
2.0	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 vendor's & sub-vendor's works, painting, maintenance tools & tackles (as applicable), fill of lubricants & consumables (excluding chemicals), startup and commissioning spares , 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).	Set	---	---	1	
2.2	Total lump sum 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).	Set	---	---	1	
2.3	Supervision of Commissioning (By Experienced/Capable Engineer). Lump sum supervision charges for Two (2) visits per Stage each of Five (5) days to supervise in Commissioning [Total Twenty (20) days in four (4) visits] (inclusive of charges of Air-Fair/Rail-Fair, Boarding/Lodging Local conveyance//medical/insurance/etc). (Price break up for Supervision of Commissioning is to be furnished as per Annexure- III).	Lot	---	---	1	

Note:

1.) Bidder to quote the Prices in 'figures' along with corresponding 'words'.

Particulars of bidder / authorised representative				
Name	Designation	Signature	Date	Company Seal

ENQUIRY No. PE/PG/YAD//E-6668/2021

NAME OF PROJECT: SX800 MW TSGENCO YADADRI TPS

NAME OF PACKAGE: CHEMICAL DOSING SYSTEM

TECHNICAL SPECIFICATION: PE-TS-417-154-A001

ANNEXURE-I

S. No.	DESCRIPTION	HSN CODE	UNIT	STAGE-I QUANTITY (Unit-1 & 2)	STAGE-II QUANTITY (Unit-3,4 & 5)	TOTAL QTY (stage-I & stage- II)	QUOTED/ NOT QUOTED	Freight rate in %	GST type	GST rate in %	Local Content in %	complete address of the location (s) at which local value addition is made
	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), startup and commissioning spares, 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	Nos	2	3	5						
2.1.2	Ammonia dosing skid	84041000	Nos	2	3	5						
2.1.3	NaOH dosing skid	84041000	Nos	2	3	5						
2.1.4	Supply of Startup and 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	2	3	5						

Particulars of bidder / authorised representative

Name	Designation	Signature		Date	Company Seal

327227/2021/PS-PEM-PGII

ENQUIRY No. PE/PG/YAD//E-6668/2021										
LIST OF MANDATORY SPARES										
NAME OF PROJECT: 5X800 MW TSGENCO YADADRI TPS										
NAME OF PACKAGE: CHEMICAL DOSING SYSTEM										
TECHNICAL SPECIFICATION: PE-TS-417-154-A001										
BREAK-UP OF SUPPLY PRICES GIVEN IN 2.2 OF MAIN SHEET.										
S. N.	DESCRIPTION	HSN CODE	UNIT	QUANTITY (For Complete Station i.e. Stage I & II)	QUOTED/ NOT QUOTED	Freight rate in %	GST type	GST rate in %	Local Content in %	complete address of the location (s) at which local value addition is made
A)	Mechanical Items									
1.1	Piston Ring (Guide Ring)	84041000	Sets.	4 Sets for each type and Duty of Pump						
1.2	Piston (Plunger)	84041000	Sets.	4 Sets for each type and Duty of Pump						
1.3	Seals and other Wear out Part	84041000	Sets.	2 Sets for each type and Duty of Pump						
1.4	Complete Set of Bearings	84041000	Sets.	2 Sets for each type and Duty of Pump						
1.5	Crank Shaft	84041000	Sets.	2 Sets for each type and Duty of Pump						
1.6	Cross Head Assembly	84041000	Sets.	2 Sets for each type and Duty of Pump						
1.7	Connecting Rod Plate	84041000	Sets.	2 Sets for each type and Duty of Pump						
1.8	Complete Set of Valves	84041000	Nos.	20% of the total quantity for each type and Size or Minimum 2 Nos whichever is higher used for one unit.						
1.9	Strainer	84041000	Nos.	2 Nos. for each type, size and duty.						
B)	Electrical Items									
1.1	Complete Set of Motor	84041000	Nos.	2 Nos. for each type, Duty and application						
1.2	Driving End & Non-Driving End Bearing	84041000	Sets.	6 Sets for each type and rating of Motor						
1.3	Motor Terminal Block	84041000	Nos.	10 Nos. for each type and rating of Motor						
1.4	Complete Set of Coupling	84041000	Set.	2 Set for each Application						
C)	C&I Spares									
1.1	Transmitters/ Gauges/Switches etc. along with relevant accessories	84041000	Nos.	20% of total or at least 2 Nos (whichever is higher) for Each type along with accessories used for one unit.						
1.2	Solenoid Valves									
1.2.1	Solenoid Valve Coil	84041000	Nos.	4 nos. of each rating & insulation						
1.2.2	Plunger	84041000	Nos.	2 nos. of each type						
1.2.3	Seat	84041000	Nos.	4 nos. of each type & size						
1.2.4	Gaskets	84041000	Sets.	4 sets of each type & size						
1.2.5	O-Ring set	84041000	Sets.	10 sets of each type & size						
1.3	Process Connection Piping (Impulse piping/tubing, sampling piping / tubing & air supply piping as applicable)									
1.3.1	Valves of all types	84041000	Nos.	20% of each type, class, size & model used in one unit.						
1.3.2	Valve Manifolds (2 way/3 way/5 way)	84041000	Nos.	20% of each type, class, size & model used in one unit.						
1.3.3	Fittings	84041000	Nos.	20% of each type, class, size & model used in one unit.						
1.4	Control panel/Desktop									
1.4.1	Back-up panel mounted devices (Selector switches/ Push buttons/ Indicators etc.)	84041000	Nos.	10% of installed capacity used in one unit.						
1.4.2	Lamps/ LEDs	84041000	Nos.	200% of the total quantity used in one unit.						
1.4.3	Blank Tiles	84041000	Nos.	20% of installed capacity used in one unit.						
1.4.4	MCBs	84041000	Nos.	20% of each type & rating used in one unit.						
1.4.5	Fuses/ Fuse holder	84041000	Nos.	200% of each type & rating used in one unit.						
1.5	Alarm/ Annunciation system									
1.5.1	Each type of module	84041000	Nos.	2 Nos. for each type and rating.						
1.5.2	Lamp box with Facia & Lamps (LED type)	84041000	Nos.	20% of total quantity or minimum 20 Nos installed in one unit.						
1.5.3	Hooter	84041000	Nos.	2 Nos.						

ANNEXURE-II

Particulars of bidder / authorised representative			
Name	Designation	Signature & Company Seal	Date

ENQUIRY No. PE/PG/YAD//E-6668/2021											
NAME OF PROJECT: 5X800 MW TSGENCO YADADRI TPS											
NAME OF PACKAGE: CHEMICAL DOSING SYSTEM											
TECHNICAL SPECIFICATION: PE-TS-417-154-A001											

ANNEXURE-III

S. No.	DESCRIPTION	HSN CODE	UNIT	STAGE-I QUANTITY (Unit-1 & 2)	STAGE-II QUANTITY (Unit-3,4 & 5)	TOTAL QTY (stage-I & stage-II)	QUOTED/ NOT QUOTED	GST type	GST rate in %	Local Content in %	complete address of the location (s) at which local value addition is made
PRICE BREAK-UP OF SUPERVISION OF COMMISSIONING GIVEN IN 2.3 OF MAIN SHEET.											
2.3	Total lump sum firm price inclusive of all prevailing taxes, duties and other levies for SERVICES PART comprising of Supervision of Commissioning (By Experienced/Capable Engineer). Lump sum supervision charges for Two (2) visits per Stage each of Five (5) days to supervise in Commissioning [Total Twenty (20) days in four (4) visits] (inclusive of charges of Air-Fair/Rail-Fair,Boarding/Lodging Local conveyance/medical/Insurance/etc).	998732	Lot	---	---	1					
2.3.1	LUMP SUM CHARGES PER VISIT FOR ENGINEER INCLUDING TRAVEL CHARGES (EXCEPT DAILY CHARGES)	998732	Visit	2	2	4					
2.3.2	LUMP SUM DAILY CHARGES FOR ENGINEER	998732	Days	10	10	20					

Note:

1. AMOUNT PAYABLE FOR ENGINEER PER VISIT TO SITE =VISIT CHARGES AS PER SL. NO. 2.3.1 ABOVE + (DAILY CHARGES AS PER SL.NO. 2.3.2 ABOVE X NO. OF DAYS AT SITE) (TO BE CERTIFIED BY BHEL SITE).
2. THE VISIT CHARGES SHALL BE INCLUSIVE OF CHARGES OF AIR FARE/TRAIN FARE, BOARDING/LODGING, LOCAL CONVEYANCE, MEDICAL, INSURANCE ETC.

Particulars of bidder / authorised representative						
Name	Designation	Signature	Date			Company Seal

ANNEXURE II- DEVIATION SHEET (COST OF WITHDRAWAL)-UN-PRICED

NAME OF PROJECT: 5X800 MW TSGENCO YADADRI TPS	
NAME OF PACKAGE: CHEMICAL DOSING SYSTEM	
ENQUIRY No.PE/PG/YAD//E-6668/2021 dtd. 18.06.2021	
NAME OF BIDDER:	

[illegible]

PARTICULARS OF BIDDERS/ AUTHORISED REPRESENTATIVE				
---	--	--	--	--

NAME	DESIGNATION	SIGN & DATE

NOTES:

1. Cost of withdrawal of deviation will be applicable on the basic price (i.e. excluding taxes, duties & freight) only.
2. All the bidders have to list out all their Technical & Commercial Deviations (if any) in detail in the above format.
3. Any deviation not mentioned above and shown separately or found hidden in offer, will not be taken cognizance of.
4. Bidder shall submit duly filled unpriced copy of above format indicating "quoted" in "cost of withdrawal of deviation" column of the schedule above along with their Techno-commercial offer, wherever applicable. In the absence of same, such deviation(s) shall not be considered and offer shall be considered in total compliance to NIT.
5. Bidder shall furnish price copy of above format along with price bid.
6. The final decision of acceptance/ rejection of the deviations quoted by the bidder shall be at discretion of the Purchaser.
7. Bidders to note that any deviation (technical/commercial) not listed in above and asked after Part-I opening shall not be considered.
8. For deviations w.r.t. Credit Period, Liquidated damages, Firm prices if a bidder chooses not to give any cost of withdrawal of deviation loading as per Annexure-VII, will apply. For any other deviation mentioned in un-priced copy of this format submitted with Part-I bid but not mentioned in priced copy of this format submitted with Priced bid, the cost of withdrawal of deviation shall be taken as NIL.
9. Any deviation mentioned in priced copy of this format, but not mentioned in the un-priced copy, shall not be considered.
10. All techno-commercial terms and conditions of NIT shall be deemed to have been accepted by the bidder, other than those listed in unpriced copy of this format.
11. Cost of withdrawal is to be given separately for each deviation. In no event bidder should club cost of withdrawal of more than one deviation else cost of withdrawal of such deviations which have been clubbed together shall be considered as NIL.
12. In case nature of cost of withdrawal (positive/negative) is not specified it shall be assumed as positive.
13. In case of discrepancy in the nature of impact (positive/ negative), positive will be considered for evaluation and negative for ordering.