

PRICE FORMAT

NAME OF PROJECT: 5X800 MW TSGENCO YADADRI TPP(STAGE 2)				Vendor Name						
NAME OF PACKAGE: VENTILATION PACKAGE - PART III										
TECHNICAL SPECIFICATION No: PE-TS-417-554-A003				Supply				Services		Total Scope (Supply + Services)
S. No.	DESCRIPTION	UNIT	QTY	Total Ex-Works Price (INR)	Freight %	Freight in INR	Total FOR Site Price Excluding GST	Unit Price (INR)	Total Price (INR)	
1	Total lump sum firm price for Supply part, Services part and Mandatory spares comprising of preparation and submission of O&M manuals),, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles, fill of lubricants, and consumables required for pre-commissioning, commissioning , performance testing and till one year of operation after handing over, mandatory spares alongwith spares for erection, start-up and commissioning as required, forwarding, proper packing, shipment and delivery at site, unloading, handling, transportation & storage at site, in-site transportation, assembly, erection & commissioning, final painting at site, minor civil and structural work, trial run at site and carrying out Performance guarantee / Functional / Demonstration tests at site, and handover in flawless condition of the package to the end customer complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order	Lot	1							₹ -
2	MAJOR BREAK-UP OF PRICES GIVEN IN 1.0 ABOVE.									
2.1	Total lump sum firm price for Supply part of main area comprising of preparation and submission of O&M manuals), manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles, fill of lubricants, chemicals, reagents and consumables required for pre-commissioning, commissioning , performance testing and till one year of operation after handing over, alongwith spares for erection as required, start-up and commissioning spares as required, forwarding, proper packing, shipment and delivery at site for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order.(Price Break-up in Annexure-I)	Lot	1	₹ -		₹ -	₹ -			₹ -
2.2	Total lumpsum firm prices for Services part of main area comprising of service part for unloading, handling, transportation & storage at site, in-site transportation, assembly, erection & commissioning, final painting at site, minor civil work, trial run at site and carrying out Performance guarantee / Functional / Demonstration tests at site, and handover in flawless condition of the package to the end customer complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order. (Price Break-up in Annexure-I)	Lot	1					₹ -	-	₹ -
2.3	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 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)	Lot	1	₹ -		₹ -	₹ -			₹ -

ANNEXURE - I							
NAME OF PROJECT:		5X800 MW TSGENCO YADADRI TPS(STAGE 2)					
NAME OF PACKAGE:		VENTILATION SYSTEM - PART III					
TECHNICAL SPECIFICATION No:		PE-TS-417-554-A003					
SL NO	DESCRIPTION	Unit	QTY STAGE#2	SUPPLY		E&C	
				Unit Ex-Works Price (INR)	Total Ex-Works Price (INR)	Unit E&C Price (INR)	Total E&C Price (INR)
1*	Roof extractor units (axial flow type) with hood, disconnect switch, supporting structure and all accessories as specified. Following fan shall have 15 mmwc static pressure.						
a)*	Capacity 50,000 CMH with Motor	Nos.*	71		₹ -		₹ -
b)*	Capacity 20,000 CMH with Motor	Nos.*	17		₹ -		₹ -
2*	Axial flow supply fans with pre and fine filter (wall mounted fan filter unit) complete with casing, TEFC sq cage induction motors & mounting frame, MS rain protection cowl, bird screen, supporting structure and all other accessories (suitable for 415V/3-phase supply). Following fan shall have 30 mmwc static pressure.						
a)*	Capacity 10,000 CMH	Nos.*	5		₹ -		₹ -
b)*	Capacity 7,500 CMH	Nos.*	9		₹ -		₹ -
c)*	Capacity 6,000 CMH	Nos.*	1		₹ -		₹ -
d)*	Capacity 4,000 CMH	Nos.*	1		₹ -		₹ -
3*	Axial flow supply fans with pre filter (wall mounted wall mounted fan filter unit) complete with casing, TEFC sq cage induction motors & mounting frame, MS rain protection cowl, bird screen, supporting structure and all other accessories (suitable for 415V/3-phase supply) as specified. Following fan shall have 20 mmwc static pressure.						
a)*	Capacity 15,000 CMH	Nos.*	1		₹ -		₹ -
b)*	Capacity 10,000 CMH	Nos.*	8		₹ -		₹ -
c)*	Capacity 7,500 CMH	Nos.*	1		₹ -		₹ -
d)*	Capacity 6,000 CMH	Nos.*	2		₹ -		₹ -
e)*	Capacity 4,000 CMH	Nos.*	1		₹ -		₹ -
4*	Axial flow exhaust fans (Bifurcated type, spark proof construction, wall mounted) complete with casing, flame proof motor & mounting frame, MS rain protection cowl, bird screen, supporting structure and all other accessories epoxy painted (suitable for 415V/3-phase supply) as specified. Following fan shall have 15 mmwc static pressure.						
a)*	Capacity 20,000 CMH	Nos.*	1		₹ -		₹ -
b)*	Capacity 15,000 CMH	Nos.*	8		₹ -		₹ -
c)*	Capacity 10,000 CMH	Nos.*	1		₹ -		₹ -
d)*	Capacity 7,500 CMH	Nos.*	1		₹ -		₹ -
e)*	Capacity 6,000 CMH	Nos.*	7		₹ -		₹ -
f)*	Capacity 4,000 CMH	Nos.*	1		₹ -		₹ -
g)*	Capacity 2,000 CMH	Nos.*	4		₹ -		₹ -
5*	Axial flow exhaust fans (Bifurcated type, spark proof construction, wall mounted) complete with casing, flame proof motor & mounting frame, MS rain protection cowl, bird screen, supporting structure and all other accessories epoxy painted (suitable for 415V/3-phase supply) as specified. Following fan shall have 25 mmwc static pressure.						
a)*	Capacity 20,000 CMH	Nos.*	16		₹ -		₹ -
b)*	Capacity 15,000 CMH	Nos.*	10		₹ -		₹ -
6*	Axial flow exhaust fans (Wall mounted) complete with casing, TEFC sq. cage induction motor & mounting frame, MS rain protection cowl, bird screen, supporting structure and all other accessories epoxy painted (suitable for 415V/3-phase supply) as specified. Following fan shall have 10 mmwc static pressure.						
a)*	Capacity 15,000 CMH	Nos.*	3		₹ -		₹ -
b)*	Capacity 10,000 CMH	Nos.*	7		₹ -		₹ -
c)*	Capacity 7,500 CMH	Nos.*	1		₹ -		₹ -
d)*	Capacity 6,000 CMH	Nos.*	1		₹ -		₹ -
e)*	Capacity 4,000 CMH	Nos.*	1		₹ -		₹ -
f)*	Capacity 2,000 CMH	Nos.*	1		₹ -		₹ -
7*	Exhaust fan (propeller type) completes with induction motor & mounting frame MS rain protection cowl, bird screen, supporting structure and all other accessories as specified (suitable for 240V/1 phase). Following fan shall have 5 mmwc static pressure.						
a)*	Capacity 1200 CMH	Nos.*	80		₹ -		₹ -
8	Total lumpsum price for commissioning spares inclusive of packing forwarding, transportation up to site, etc. (Bidder shall submit item-wise price break-up-As per Appendix B).	LOT	1		₹ -		₹ -
9	Total lumpsum price for special tools & tackles for maintenance inclusive of packing forwarding, transportation up to site, etc. (Bidder shall submit item-wise price break-up-As per Appendix A).	LOT	1		₹ -		₹ -
10	Any other item not indicated above, but required to make the system complete in all respects.	LOT	1		₹ -		₹ -
Total					₹ -		₹ -
NOTES							
1	The bidder shall furnish unit rates for variable item (marked *) for necessary adjustment (plus or minus) variation during detailed Engg. stage. The unit rates quoted above shall be considered and no separate unit rates shall be quoted. Unit rates shall be valid throughout the contract.						
2	Any other item not indicated above, but required to make the system complete in all respects, as per the technical specification, shall be supplied without any cost implication to BHEL.						
3	Any cell left blank in the unpriced schedule shall be treated as "Quoted" and is included in total price.						
4	List of commissioning spares given in Appendix B is bare minimum, any additional commissioning spare required for successful commissioning of ventilation package shall be provided within price quoted against Sl.no. 8						

**ANNEXURE-II (COMPLETE PLANT EXCEPT FOR SWITCHYARD)
LIST OF MANDATORY SPARES**

NAME OF PROJECT:		5X800 MW TSGENCO YADADRI TPS(STAGE 2) PART III		
NAME OF PACKAGE:		VENTILATION SYSTEM		
TECHNICAL SPECIFICATION:		PE-TS-417-554-A003		
S. No.	DESCRIPTION	UNIT	Qty	Total Ex-Works Price (INR)
1	Ventilation System (Mechanical)			
1.8*	Fan-Filter Units (i.e., Axial supply air fans with filters)			
1.8.1*	Filter	Set	6 set for each FFU	
1.8.2*	Fan-motor Bearing	Set	6 set for each rating of FFU	
1.8.3*	Vibration Isolators	Set	6 set for each FFU	
1.8.4*	Back Draft Dampers	Nos.	6 no of each size	
1.8.5*	Fan motor	Set	6 sets for each rating of fan	
1.8.5*	Any other spare parts recommended by the Manufacturer	-	As recommended by the Manufacturer	
1.9*	Wall mounted supply/ Exhaust fan			
1.9.1*	Fan-motor Bearing	Set	6 sets for each rating of fan	
1.9.2*	Vibration Isolators	Set	6 sets for each fan	
1.9.3*	Fan motor	Set	6 sets for each rating of fan	
2	Ventilation System (Electrical)			
2.2*	Electrical Spares for Motors			
2.2.1*	Terminal plates	Nos.	60 Nos. each for small motors up to 30KW and 24 Nos. each for motors above 30KW	
2.2.2*	Heaters	Set	6 Set for each motor of rating above 30KW	
2.2.3*	Greasing arrangements	Set	24 sets for each type of motors	
2.2.4*	Motors below 0.75 KW	Nos.	60% of the installed quantity or minimum 6 nos. whichever is higher	
2.2.5*	Bearings (DE & NDE)	Nos.	24 sets of each type and rating	
2.3.2	415 Volt Motor (Upto 30KW Rating)			
2.3.2.1*	Driving End & Non-Driving End Bearing	Set	18 Set for each type and rating of Motor	
2.3.2.2*	Cooling Fan	Nos.	12 nos. for each type and rating of Motor	
2.3.2.3*	Motor Terminal Block	Nos.	30 nos. for each type and rating of Motor	
2.3.2.4*	Complete Set of Coupling	Set	6 Set for each Application	
Total				₹ -
Notes:				
a)	Mandatory spares listed in Price Schedule are 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 bidder's scope of supply.			
b)	"One (1) Set" and "One (1) set of each type & rating" is defined as total numbers as required for one complete replacement for one equipment of similar size & capacity.			
c)	In case any spare indicated in the specification is "not applicable" for particular equipment, then suitable applicable alternate spare shall be supplied by the bidder without any financial implication."			
d)	For quantities indicated in percentage, fractions are to be rounded-off to next higher integer.			
e)	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.			
f)	Any cell left blank in the unpriced schedule shall be treated as "Quoted" and is included in total price.			
g)	Bidder to note that even though there may be some spares which are repetitive at various sl.no mentioned above, bidder to ensure that prices are quoted against each sl.no. In case any cell is left blank in the unpriced schedule shall be treated as "quoted" and included in total price.			
h)	The bidder shall furnish rates for variable item (marked *) for necessary adjustment (plus or minus) variation during detailed Engg. stage. The rates quoted above shall be proportionately considered for quantity adjustment. Rates shall be valid throughout the contract.			

ANNEXURE III

**PRICE IMPACT
(DUE TO APPROVAL OF NEW MAKE (OTHER THAN ALREADY APPROVED MAKES) OF AXIAL FANS BY CUSTOMER)**

NAME OF PROJECT: 5X800 MW YADADRI STAGE 2 TPS EXTN

NAME OF PACKAGE: VENTILATION SYSTEM -AXIAL FANS

TECHNICAL SPECIFICATION: PE-TS-417-554-A003

S. No.	DESCRIPTION	UNIT	QTY	NATURE OF IMPACT	NEGATIVE IMPACT on Total Ex-works (Percentage of original price quoted by bidder in price bid)
1.0	Total lumpsum firm PRICE IMPACT for SUPPLY PART, SERVICE PART & MANDATORY SPARES on EX-Works basis exclusive of all prevailing taxes, duties and other levies for acceptance of change in make of axial fans				
2.0	MAJOR BREAK-UP OF PRICES GIVEN IN 1.0 ABOVE				
2.1	Total lumpsum firm PRICE IMPACT for SUPPLY PART on EX-Works basis exclusive of all prevailing taxes, duties and other levies for acceptance of change in make of axial fans	Lot	1	NEGATIVE	
2.2	Total lumpsum firm PRICE IMPACT for SERVICE PART on EX-Works basis exclusive of all prevailing taxes, duties and other levies for acceptance of change in make of axial fans	Lot	1	NEGATIVE	
2.3	Total lumpsum firm PRICE IMPACT for MANDATORY SPARES on EX-Works basis exclusive of all prevailing taxes, duties and other levies for acceptance of change in make of axial fans	Lot	1	NEGATIVE	

Notes-

- Bidder to note that impact prices as envisaged above shall be negative only.
- Positive price impact if quoted by bidder shall be considered as 'Zero'.
- Bidder shall furnish the declaration regarding make of fan, attached at Section 2 Sub Section 6 of tender specification.

APPENDIX-A

NAME OF PROJECT:		5X800 MW TSGENCO YADADRI TPS		
NAME OF PACKAGE:		VENTILATION SYSTEM - PART III		
TECHNICAL SPECIFICATION No:		PE-TS-417-554-A003		
SL NO	DESCRIPTION	UNIT	Stage # 2 Qty	Total Ex-Works Price (INR)
1	Measuring tape	NO	1	
2	Tachometer	NO	1	
3	Double ended spanner	SET	1	
4	Ring spanners	SET	1	
5	Gasket punch	NO.	1	
6	Center punch	NO.	1	
7	Hammer with wooden handles	NO.	1	
8	Scissors for sheet metal cutting	NO.	1	
9	Torch light (suitable for 2 cells)	NO.	1	
10	Multimeter	NO.	1	
11	Anemometer	NO.	1	
12	Compound pressure gauge	NO.	1	
13	Slide wrench 8"	NO.	1	
14	Slide wrench 10"	NO.	1	
15	Slide wrench 6"	NO.	1	
16	Box spanner set	SET	1	
17	Screw driver set	SET	1	
18	Align key set	SET	1	
19	MS tool box	NO	1	
TOTAL				₹ -
NOTES				
1	ABOVE IS THE MINIMUM LIST. ANY OTHER TOOL / TACKEL REQUIRED FOR THE SYSTEM SHALL ALSO BE PROVIDED BY THE VENDOR WITHOUT ANY COST IMPLICATION.			

APPENDIX - B
Commissioning spares

NAME OF PROJECT:		5X800 MW TSGENCO YADADRI TPS		
NAME OF PACKAGE:		VENTILATION SYSTEM - PART III		
TECHNICAL SPECIFICATION No:		PE-TS-417-554-A003		
SL NO	DESCRIPTION	UNIT	Stage # 2 Qty	Total Ex-Works Price (INR)
1	FAN BELTS (For each type & size)	SET	1	
2	FILTER FOR AXIAL FANS (for each type)	SET	1	
Total				₹ -
NOTES				
1	ABOVE IS THE MINIMUM LIST. ANY OTHER COMMISSIONING SPARE REQUIRED FOR THE SYSTEM SHALL ALSO BE PROVIDED BY THE VENDOR WITHOUT ANY COST IMPLICATION.			

ANNEXURE-II DEVIATION SHEET (COST OF WITHDRAWAL)

ANNEXURE-II DEVIATION SHEET (COST OF WITHDRAWAL)									
PROJECT:-					5X800 MW TSGENCO YADADRI TPP(STAGE 2)				
PACKAGE :-					VENTILATION PACKAGE - PART III				
TENDER ENQUIRY :-					E-7312/2023 Date 31.07.2023				
NAME OF THE BIDDER									
Sl. No.	Volume/Section	Page No.	Clause No.	Technical Specification/Tender Document No	Complete Description of Deviation	Cost of withdrawal of deviation to be entered by the bidder in	Reference of price Schedule of which Cost of Withdrawal of Deviation is applicable	Nature of cost of withdrawal of deviation (Positive/Negative)	Reasons for quoting deviation
1	TECHNICAL DEVIATION								
1.01									
1.02									
1.03									
1.04									
1.05									
1.06									
1.07									
1.08									
2	COMMERCIAL DEVIATION								
2.01									
2.02									
2.03									
2.04									
2.05									
2.06									
2.07									
2.08									

NOTES:

- Cost of Withdrawal of deviation will be applicable on the basic price (i.e. excluding taxes, duties & freight) only.
- All the bidders have to list out all their technical & commercial deviations (if any) in details in the above format.
- Any deviation not mentioned above and shown separately or found hidden in offer, will not be taken cognizance of.
- 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 absence of same, such deviation(s) shall not be considered and offer shall be considered in total compliance to NIT.
- Bidder shall furnish price copy of above format along with price bid.
- The final decision of acceptance/ rejection of the deviations quoted by the bidder shall be at discretion of the Purchaser.
- Bidders to note that any deviation (technical/commercial) not listed in above and asked after Part-I opening shall not be considered.
- 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 of GCC, Rev-07 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.
- Any deviation mentioned in priced copy of this format, but not mentioned in the un-priced copy, shall not be accepted.
- 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.
- 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.
- In case nature of cost of withdrawal (positive/negative) is not specified it shall be assumed as positive.
- In case of discrepancy in the nature of impact (positive/ negative), positive will be considered for evaluation and negative for ordering.