

PRICE FORMAT REV01 (For Foreign Bidders)																			
Enquiry Number		PE/PG/EN1/E-5490/2016																	
NAME OF PROJECT:		2x660 MW ENNORE SEZ POWER PROJECT																	
NAME OF PACKAGE:		VENTILATION SYSTEM																	
TECHNICAL SPECIFICATION No:		PE-TS-412-554-A001 Rev (1)																	
				PRICE OF IMPORTED ITEMS (Supply not from Indian Territory)					PRICE OF INDIGENEOUS ITEMS (Supply from Indian Territory)					Total Price for IMPORTED & INDIGENEOUS SUPPLY	PRICE FOR SERVICES			GRAND TOTAL	
S. No.	Description	UNIT	Qty	TOTAL C&F Seaport Price	Ocean / Marine Insurance	Custom Duty after availing CENVAT benefit if applicable	Inland FREIGHT CHARGES (INCLUDING SERVICE TAX)	F.O.R. site Imported Items supply price	TOTAL EX-WORKS PRICE	ED including cess @...% (for self manufactured items only)	CST @% Against C-form & E1/E2 or VAT @....% Whichever is applicable)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @....% OF TOTAL EX-WORKS	TOTAL F.O.R SITE PRICE	Total FOR Site IMPORTED + INDIGENEOUS SUPPLY	TOTAL SERVICES Charges	SERVICE TAX @ %	SERVICES charges INCLUDING SERVICE TAX	Total Lumpsum price for supply [IMPORTED + INDIGENEOUS SUPPLY] and SERVICES with Service tax.	
				1	2	3	4	5=1+3+4	6	7	8	9	10=6+7+8+9	11=5+10	12	13	14=12+13	15=11+14	
1	Total lump sum firm price inclusive of all prevailing taxes, duties and other levies for Supply part, Services part and Mandatory spares comprising of design (i.e.preparation and submission of drawing /documents including O&S Built drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles fill of lubricants & consumables, 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, erection & commissioning, final painting at site, minor civil work, trial run at site, preparation of layout drawings 3D (as applicable) and carrying out Performance guarantee / Functional / Demonstration tests at site, training of customer/client O&M staff 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 inclusive of all prevailing taxes, duties and other levies for Supply part comprising of design (i.e.preparation and submission of drawing /documents including O&S Built drawings and O&M manuals), engineering, manufacture, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance tools & tackles, fill of lubricants & consumables alongwith spares for erection as required, startup and commissioning, spares as required, forwarding, proper packing, shipment and delivery at site, preparation of layout drawings 3D (as applicable) for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order. (Break-up as per Annexure-I)	Lot	1		By BHEL											NA			
2.2	Total lumpsum firm prices inclusive of all prevailing taxes, duties and other levies for Services part 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, training of customer/client O&M staff 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. (Break-up as per Annexure-I)	Lot	1	NA															
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 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														NA		
Note: 1.) Bidder to quote Guaranteed Power Consumption for Ventillation System as per Annexure-III 2. Evaluation shall be done one the basis of total lump sump prices for complete supply and services. Total price indicated above at Column (15) minus service tax quoted at Column (13) 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.																			
Particulars of bidder / authorised representative																			
Name		Designation				Signature		Company Seal											

PRICE FORMAT REV01 (For Foreign Bidders)																					
ANNEXURE - I																					
PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS)																					
ENQUIRY NUMBER		PE/PG/EN1/E-5490/2016																			
NAME OF PROJECT:		2x660 MW ENNORE SEZ POWER PROJECT																			
NAME OF PACKAGE:		VENTILATION SYSTEM																			
TECHNICAL SPECIFICATION No:		PE-TS-412-554-A001																			
SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	Qty	UNIT	PRICES FOR IMPORTED ITEMS (Supply not from Indian Territory)						PRICES FOR INDIGENEOUS ITEMS (Supply from Indian Territory)						Total	PRICE FOR SERVICES				GRAND TOTAL
				UNIT C&F Seaport Price	Total C&F Seaport Price	Ocean / Marine Insurance	Custom Duty after availing CENVAT benefit if applicable	Inland FREIGHT CHARGES (INCLUDING SERVICE TAX)	F.O.B. site Imported Items supply price	Unit Ex- WORKS PRICE	TOTAL EX-WORKS PRICE	ED including cess @...% (for self manufactured items only)	CST @% Against C form & E1/E2 or VAT @.....% . Whichever is applicable	FREIGHT CHARGES INCLUDING SERVICE TAX) @.....% OF TOTAL EX-WORKS	TOTAL F.O.R SITE PRICE		Total FOR Site IMPORTED + INDIGENEOUS SUPPLY [(Currency x INR)+INR]	SERVICES Unit Price	Total PRICE FOR SERVICES	SERVICE TAX @%	
				1	2	3	4	5	6=1+2+4+5	7	8	9	10	11	12=8+9+10+11	13=6+12	14	15	16	17=15+16	18=13+17
1	Sheet metal type air washer unit with centrifugal fan (DIDW) with motor, pumps with motors, air washer internals, inlet air louvers, filters, piping as per IS:1239, Part I (heavy class galvanised), valves, nozzles, level switch, temp indicators, back wash arrangement, galvanised drain piping, etc as per specification of capacity 2,50,000 CMH . Each air washer has 3 no centrifugal fan (3 x 33% duty) of capacity 83,500 CMH each at min. 75 mm SP .	8	NO																		
2	Unitary air filtration unit with centrifugal fan (SISW) with motor, pumps with motors, filters, UAF Internals, piping as per IS: 1239 pt I (heavy class galvanised), valves for auto start of standby equipment, nozzles, level switch, pressure switches, Temp. indicators, back wash arrangement, galvanised drain piping etc. as per spec. of capacity 75,000 CMH .Each UAF has 1 no centrifugal fan (1 x 100% duty) of capacity 75,000 CMH at min. 75 mm SP .	2	NO																		
3*	Supply air ducting (finished) for above area complete with dampers, grills (with VCD & without VCD), supports (painted) and all accessories as specified.																				
3.1*	Finished GSS (zinc coating 275 gms/sq.m) Ducting with support structure etc.																				
a)*	18 G	4000	SQM*																		
b)*	20 G	4000	SQM*																		
c)*	22 G	3000	SQM*																		
d)*	24 G	4000	SQM*																		
3.2*	MS Duct With Epoxy paint for battery room.	200	SQM*																		
3.3*	MS Grilles with VCD	200	SQM*																		
3.4*	MS Grilles without VCD	10	SQM*																		
3.5*	Exposed duct insulation with fibre glass insulation as per specifications.	2000	SQM*																		
3.6*	Wall mounted dampers (gravity operated) for different areas.	30	SQM*																		
3.7*	Inlet Louvers	20	SQM*																		
4*	FIRE DAMPER																				
a)*	Fire damper	30	SQM*																		
b)*	Motorized Actuator with single phase power supply for the above Fire damper with auto resetting, limit switches, indication lamps etc	45	SQM*																		
c)*	Fusible Link type Fire Damper	20	SQM*																		
5*	Roof extractor units (axial flow type) with hood, disconnect switch and all accessories as specified. Following fan shall have 15 mmwc static pressure.																				
a)*	Capacity 50,000 CMH with Motor rating 5.5 KW	28	Nos.*																		
b)*	Capacity 40,000 CMH with Motor rating 5.5 KW	2	Nos.*																		
c)*	Capacity 20,000 CMH with Motor rating 2.2 KW	1	Nos.*																		
6*	Axial flow supply fans with pre and fine filter (wall mounted) complete with casing, TEFC sq cage induction motors & mounting frame, MS rain protection cowl, bird screen and all other accessories (suitable for 415V/3-phase supply). Following fan shall have 30 mmwc static pressure.																				
a)*	Capacity 10,000 CMH with Motor rating 2.2 KW	8	Nos.*																		
b)*	Capacity 7,500 CMH with Motor rating 1.5 KW	8	Nos.*																		
c)*	Capacity 6,000 CMH with Motor rating 1.1 KW	15	Nos.*																		
d)*	Capacity 4,000 CMH with Motor rating 0.75 KW	10	Nos.*																		
7*	Axial flow supply fans with pre filter (wall mounted) complete with casing, TEFC sq cage induction motors & mounting frame, MS rain protection cowl, bird screen and all other accessories (suitable for 415V/3-phase supply) as specified. Following fan shall have 20 mmwc static pressure.																				
a)*	Capacity 10,000 CMH with Motor rating 1.5 KW	20	Nos.*																		
b)*	Capacity 7,500 CMH with Motor rating 1.1 KW	10	Nos.*																		
c)*	Capacity 6,000 CMH with Motor rating 1.1 KW	2	Nos.*																		
d)*	Capacity 4,000 CMH with Motor rating 0.75 KW	2	Nos.*																		
8*	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 and all other accessories epoxy painted (suitable for 415V/3-phase supply) as specified. Following fan shall have 15 mmwc static pressure.																				
a)*	Capacity 15,000 CMH with Motor rating 2.2 KW	5	Nos.*																		
b)*	Capacity 10,000 CMH withMotor rating 1.5 KW	8	Nos.*																		
c)*	Capacity 7,500 CMH with Motor rating 1.1 KW	6	Nos.*																		
d)*	Capacity 4,000 CMH with Motor rating 0.55 KW	4	Nos.*																		
e)*	Capacity 2,000 CMH with Motor rating 0.55 KW	4	Nos.*																		

		PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS)	
--	--	---	--

ENQUIRY NUMBER				PE/PG/EN1/E-5490/2016																		
NAME OF PROJECT:				2x660 MW ENNORE SEZ POWER PROJECT																		
NAME OF PACKAGE:				VENTILATION SYSTEM																		
TECHNICAL SPECIFICATION No:				PE-TS-412-554-A001																		
SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	Qty	UNIT	PRICES FOR IMPORTED ITEMS (Supply not from Indian Territory)						PRICES FOR INDIGENEOUS ITEMS (Supply from Indian Territory)						Total	PRICE FOR SERVICES				GRAND TOTAL	
				UNIT C&F Seaport Price	Total C&F Seaport Price	Ocean / Marine Insurance	Custom Duty after availing CENVAT benefit if applicable	Inland FREIGHT CHARGES (INCLUDING SERVICE TAX)	F.O.R. site Imported items supply price	Unitr EX- WORKS PRICE	TOTAL EX-WORKS PRICE	ED including cess @-...% (for self manufactured items only)	CST @% Against C form & E1/E2 or VAT @.....% Whichever is applicable	FREIGHT CHARGES INCLUDING SERVICE TAX) @.....% OF TOTAL EX-WORKS	TOTAL F.O.R SITE PRICE		Total For Site IMPORTED + INDIGENEOUS SUPPLY [(Currency x INR)+INR]	SERVICES Unit Price	Total PRICE FOR SERVICES	SERVICE TAX @%		Total INCLUDING SERVICE TAX
9*	Axial flow exhaust fans (Wall mounted) complete with casing,TEFC sq cage induction motor & mounting frame, MS rain protection cowl, bird screen and all other accessories epoxy painted (suitable for 415V/3-phase supply) as specified. Following fan shall have 10 mmwc static pressure.					By BHEL																
a)*	Capacity 15,000 CMH with Motor rating 1.1 KW	12	Nos.*																			
b)*	Capacity 10,000 CMH with Motor rating 0.75 KW	5	Nos.*																			
c)*	Capacity 7,500 CMH with Motor rating 0.55 KW	4	Nos.*																			
d)*	Capacity 6,000 CMH with Motor rating 0.55 KW	20	Nos.*																			
e)*	Capacity 4,000 CMH with Motor rating 0.55 KW	5	Nos.*																			
f)*	Capacity 2,000 CMH with Motor rating 0.37 KW	5	Nos.*																			
10*	Exhaust fan (propeller type) completes with induction motor & mounting frame MS rain protection cowl, bird screen and all other accessories as specified (suitable for 240V/ 1 phase). Following fan shall have 5 mmwc static pressure.																					
a)*	Capacity 1200 CMH with Motor rating 100 watts	130	Nos.*																			
11*	Handling arrangement for Ventilation equipments																					
(a)*	Manually operated, platform trolley of 1 Ton capacity with base area 2m x 1.5m	2	NO*																			
(b)*	1T Chain pulley block with travelling trolley	4	NO*																			
12	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).	1	LOT															NA				
13	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).	1	LOT															NA				
14	FIELD INSTRUMENTS like pressure gauge, temperature gauge, pressure switch, differential pressure switch, velocity sensor/static pressure sensor, flow switch and other instrument required for Ventilation System etc.	1	LOT																			
15	Any other item not indicated above, but required to make the system complete in all respects.	1	LOT																			
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.																						
Particulars of bidder / authorised representative																						
Name	Designation	Signature				Date				Company Seal												

PRICE FORMAT REV01 (For Foreign Bidders)

APPENDIX-A

PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS)

ENQUIRY NUMBER		PE/PG/EN1/E-5490/2016			
NAME OF PROJECT:		2x660 MW ENNORE SEZ POWER PROJECT			
NAME OF PACKAGE:		VENTILATION SYSTEM			
TECHNICAL SPECIFICATION No:		PE-TS-412-554-A001			
SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	Unit	Qty	SUPPLY	
				Unit Price (Rs)	Total price (Rs)
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 80	NO.	1		
14	Slide wrench 100	NO.	1		
15	Slide wrench 60	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		
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.				
Particulars of bidder / authorised representative					
Name	Designation	Signature	DATE	Company Seal	

PRICE FORMAT REV 01 (For Foreign Bidders)
APPENDIX-B
PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS)

ENQUIRY NUMBER		PE/PG/EN1/E-5490/2016			
NAME OF PROJECT:		2x660 MW ENNORE SEZ POWER PROJECT			
NAME OF PACKAGE:		VENTILATION SYSTEM			
TECHNICAL SPECIFICATION No:		PE-TS-412-554-A001			
SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	Unit	Qty	SUPPLY	
				Unit Price (Rs)	Total price (Rs)
1	FAN BELTS	SET	1		
2	PRESSURE GAUGE	NO	1		
3	TEMPERATURE GAUGE	NO	1		
4	FILTER	SET	1		
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.				
Particulars of bidder / authorised representative					
Name	Designation	Signature	DATE	Company Seal	

[illegible]

[illegible]

[illegible]

PRICE FORMAT REV01 (For Foreign Bidders)
ANNEXURE - III
PRICE BREAKUP (FOR MAIN PLANT, ESP AND OTHER AUX BUILDINGS)

Guaranteed Power Consumption For Ventilation System						
ENQUIRY NUMBER		PE/PG/EN1/E-5490/2016				
NAME OF PROJECT:		2x660 MW ENNORE SEZ POWER PROJECT				
NAME OF PACKAGE:		VENTILATION SYSTEM				
TECHNICAL SPECIFICATION No:		PE-TS-412-554-A001				
S.NO.	DESCRIPTION OF EQUIPMENT	NO OF EQUIPMENT		TOTAL GUARANTEED POWER CONSUMPTION FOR EACH EQUIPMENT AT	DUTY FACTOR	TOTAL KW
		WORKING	STANDBY			
		3A	3B	4	5	6=3Ax4x5
1	VENTILATION SYSTEM FOR TG BUILDING					
1.1	Centrifugal Fan of cap. 83, 500 CMH at 75 mmwc static pr for air Washers.	24	0		1	
1.2	Pumps for circulation of water in spray chamber of above air washer	8	8		1	
1.3	RE Units 50,000 cmh at 15mmwc	28	0		1	
2	VENTILATION SYSTEM FOR ESP BUILDING					
2.1	Centrifugal Fan of cap. 75,000 CMH at 75 mmwc static pr for UAF.	2	0		1	
2.2	Pump for above UAF.	2	2		1	
				TOTAL (KW)		1050
Note:	Estimated power consumption (EPC) figure for the system (for working drives only) has been considered as 1050 KW. So long bidder's quoted guaranteed power consumption (GPC) above remains within this EPC, there will be no technical loading of bid on power consumption for evaluation. However, if bidder's quoted GPC exceeds EPC, there shall be technical loading of bid for evaluation @ Rs 3,56,607/- per KW of additional power over EPC. Bidder's guaranteed power consumption at motor input terminals (not shaft power) as furnished in relevant schedule shall be demonstrated by the successful bidder during performance testing at works/ site. In case power consumption is noted higher than EPC / bidder's quoted GPC whichever is higher, during inspection/ PG test, penalty @ Rs 3,56,607/- per KW shall be levied on vendor.					
Particulars of bidder / authorised representative						
Name	Designation	Signature	DATE	Company Seal		