



ANNEXURE - I TO NIT REF NO-PE/PG/YE1/E-5240/2016, DTD-27.05.2016

1 X 370 MW YELAHANKA CCP

PRICE SCHEDULE FOR VENTILATION SYSTEM - SUPPLY, E&C AND MANDATORY SPARES

FOREIGN BIDDER		IMPORTED ITEMS (Supply not from Indian Territory)										INDIGENOUS ITEMS (Supply from Indian Territory)					E&C		GRAND TOTAL		
SL No	DESCRIPTION OF EQUIPMENT/ ITEM	QTY	UOM	UNIT F.O.B. PRICE (INCLUDING PACKING, HANDLING AND TRANSPORTATION TO VENDOR'S OWN PORT.) (CURRENCY)	TOTAL F.O.B. PRICE (INCLUDING PACKING, HANDLING AND TRANSPORTATION TO VENDOR'S OWN PORT.) (CURRENCY)	OCEAN FREIGHT (CURRENCY)	OCEAN/MARINE INSURANCE	CUSTOM DUTY AFTER AVALUING GEN/VAL BENEFIT IF APPLICABLE (INR)	INLAND FREIGHT CHARGES (INCLUDING SERVICE TAX) (INR)	F.O.B. SITE IMPORTED ITEMS SUPPLY PRICE (CURRENCY + INR)	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form C/E/IE/II (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.B. SITE PRICE (INR)	E&C ACCEPTANCE TEST AT SITE AND PERFORMANCE/ GUARANTEE TESTS CHARGES (INR)	SERVICE TAX @ % (INR)	E&C ACCEPTANCE PERFORMANCE/ GUARANTEE TESTS CHARGES INCLUDING SERVICE TAX (INR)	TOTAL LUMP SUM PRICE FOR SUPPLY AND E&C WITH SERVICE TAX. (INR)	
2.0	Break up prices for items covered in clause 1.0 above.																				
2.1	2.1.0 Packaged ambient air handling unit shall comprise of centrifugal fans (DIDW) with TEFEC Squirrel Cage induction motors, drive pulg, prefilter with filter mounting frame, inlet air louvers, bird screen, VI pad, cadmium plated foundation bolts, nuts, & washers, canvas connections, outlet damper, VCD and all other accessories as required for complete installation as per specifications. The capacity of each fan shall be 100,000 CMH at 65 mm sp.	10	NO				BHL SCORE														
2.2	2.2.1 Supply air ducting (finished) for above area complete with dampers, grills (with VCD & without VCD) supports (finished) and all accessories as specified.																				
	2.2.1* Finished GSI (fin coating 215 g/m ² /sqm) Ducting with support structure etc.	1700	SQM*																		
	2.2.1* 18 G	2000	SQM*																		
	2.2.1* 20 G	2500	SQM*																		
	2.2.1* 22 G	200	SQM*																		
	2.2.1* 24 G	50	SQM*																		
	2.2.2* MS Duct With Epoxy paint for battery room.	70	SQM*																		
	2.2.3* MS Grilles with VCD	5	SQM*																		
	2.2.4* MS Grilles without VCD	5	SQM*																		
	2.2.5* Exposed duct insulation as per specifications.	1500	SQM*																		
	2.2.6* Wall mounted dampers (gravity operated) for different areas.	20	SQM*																		
	2.2.7* Inlet Louvers	20	SQM*																		
	2.3* FIRE DAMPER	10	SQM*																		
	a)* Fire damper	10	SQM*																		
	b)* Motorized actuator with single phase power supply for the above fire damper with auto resetting limit switches, indication lamps etc.	18	SQM*																		
	c)* Fusible link type fire damper	5	SQM*																		
	2.4* Roof extender units (leaf flow type) with hood, disconnect switch and all accessories as specified. Following fan shall have 15 mmwc static pressure.	10	Nos.*																		
	a)* Capacity 50000 CMH with Motor rating 3.5 KW	2	Nos.*																		
	b)* Capacity 40000 CMH with Motor rating 3.5 KW	2	Nos.*																		
	c)* Capacity 20000 CMH with Motor rating 2.2 KW	2	Nos.*																		
	2.5* Axial flow supply fans with pre and fine filter (wall mounted) complete with casing, TEFEC 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.	12	Nos.*																		
	a)* Capacity 10000 CMH with Motor rating 2.2 KW	2	Nos.*																		
	b)* Capacity 7500 CMH with Motor rating 1.5 KW	2	Nos.*																		
	c)* Capacity 4000 CMH with Motor rating 0.75 KW	2	Nos.*																		
	2.6* Axial flow supply fans with pre filter (wall mounted) complete with casing, TEFEC 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.	8	Nos.*																		
	a)* Capacity 10000 CMH with Motor rating 1.5 KW	10	Nos.*																		
	b)* Capacity 7500 CMH with Motor rating 1.1 KW	14	Nos.*																		
	c)* Capacity 6000 CMH with Motor rating 0.75 KW	2	Nos.*																		
	d)* Capacity 4000 CMH with Motor rating 0.75 KW	2	Nos.*																		
	2.7* Axial flow exhaust fans (fabricated 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.	4	Nos.*																		
	a)* Capacity 15000 CMH with Motor rating 2.2 KW	4	Nos.*																		
	b)* Capacity 10000 CMH with Motor rating 1.5 KW	4	Nos.*																		
	c)* Capacity 7500 CMH with Motor rating 1.1 KW	2	Nos.*																		
	d)* Capacity 4000 CMH with Motor rating 0.55 KW	4	Nos.*																		
	e)* Capacity 2000 CMH with Motor rating 0.55 KW	6	Nos.*																		
	2.8* Axial flow exhaust fans (wall mounted) complete with casing, TEFEC 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.	30	Nos.*																		
	a)* Capacity 15000 CMH with Motor rating 1.1 KW	4	Nos.*																		
	b)* Capacity 10000 CMH with Motor rating 0.75 KW	6	Nos.*																		
	c)* Capacity 7500 CMH with Motor rating 0.55 KW	2	Nos.*																		
	d)* Capacity 6000 CMH with Motor rating 0.55 KW	2	Nos.*																		
	e)* Capacity 4000 CMH with Motor rating 0.55 KW	2	Nos.*																		
	f)* Capacity 2000 CMH with Motor rating 0.37 KW	10	Nos.*																		
	2.9 Exhaust fan (propeller type) complete 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.	30	Nos.*																		
	a)* Capacity 1200 CMH with Motor rating 100 watts	1	LOT																		
	2.10 Total lumpsum price for special tools & tackles for maintenance inclusive of packing forwarding, transportation up to site, etc.	1	LOT																		
	2.11 Total lumpsum price for commissioning spares inclusive of packing forwarding, transportation up to site, etc.	1	LOT																		
	2.12 Instruments and accessories for complete hookup of ventilation system with main central control system.	1	LOT																		
	2.13 Manually operated tool of 1 ton cap with base area 2 m X 1.5 M	3	Nos.																		
	2.14 Total lumpsum price for Mandatory spare inclusive of packing forwarding, transportation up to site, etc.	1	LOT																		
	2.14 etc. (Bidder to submit item-wise price break-up separately).																				
NOTES																					
1 The bidder shall furnish unit rates for variable item (marked *) for necessary adjustment (plus or minus) variation during detailed design 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 Bidder must submit prices in the Pro-Forma duly filled, signed and stamped on every page without any ambiguity. The prices shall be written against each item. Term such as 'refer covering etc.' are not acceptable. Extra sheet may be attached if this space provided is not sufficient.																					
3 Price format shall not be changed by the bidder as the bidder may get disqualified by doing so.																					

[Handwritten Signature]

FOR THE BIDDER (M/s. J. D. Manoj Kumar)

POWER OF ATTORNEY: M/s. J. D. Manoj Kumar

PPED Date: 27.05.2016



ANNEXURE - II TO NIT REF NO-PE/PG/YE1/E-5240/2016, DTD-27.05.2016
1 X 370 MW YELAHANKA CPP

PRICE SCHEDULE FOR VENTILATION SYSTEM - MANDATORY SPARES

Sl No	DESCRIPTION OF EQUIPMENT/ ITEM	QTY/UOM	IMPORTED ITEMS (Supply not from Indian Territory)							INDIGENEOUS ITEMS (Supply from Indian Territory)				GRAND TOTAL		
			UNIT F.O.B. PRICE (INCLUDING SEAWORTHY PACKING: HANDLING AND TRANSPORTATION ON TO VENDOR'S OWN PORT.) (CURRENCY)	TOTAL F.O.B. PRICE (INCLUDING SEAWORTHY PACKING: HANDLING AND TRANSPORTATION ON TO VENDOR'S OWN PORT.) (CURRENCY)	OCEAN FREIGHT (CURRENCY)	OCEAN / MARINE INSURANCE	CUSTOM DUTY AFTER AVAILING CENVAT BENEFIT IF APPLICABLE (INR)	INLAND FREIGHT CHARGES (INCLUDING SERVICE TAX) (INR)	F.O.R. SITE IMPORTED ITEMS SUPPLY PRICE (CURRENCY) + (INR)	UNIT EX- WORKS PRICE (DULY PACKED) (INR)	TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' /E/II (INR)		FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)
A	MECHANICAL		1	2	3	4	5	6	7=2+3+5+6	8	9	10	11	12	13=8+10+11+12	14 = 7+13
1	CENTRIFUGAL FANS															
1.1	V-BELTS	1 SET														
1.2	BLOWER BEARING	1 SET														
1.3	BLOWER MOTOR BEARINGS	1 SET														
1.4	GASKET	1 SET														
1.5	MOTOR	1 NO														
2	AXIAL FANS/ ROOF EXTRACTOR (FOR EACH SIZE)															
2.1	FAN BEARINGS	1 SET														
2.2	FAN MOTOR BEARING	1 SET														
2.3	FAN MOTOR	1 NO														
1.1	V-BELTS	1 SET														
1.2	BLOWER BEARING	1 SET														
1.3	BLOWER MOTOR BEARINGS	1 SET														
1.4	GASKET	1 SET														
1.5	MOTOR	1 NO														
2	AXIAL FANS/ ROOF EXTRACTOR (FOR EACH SIZE)															
2.1	FAN BEARINGS	1 SET														
2.2	FAN MOTOR BEARING	1 SET														
2.3	FAN MOTOR	1 NO														
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	Bidder must submit prices in the Pro Forma duly filled in signed and stamped on every page without any ambiguity. The price shall be written against each item. Term such as "refer covering letter" etc. are not acceptable. Extra sheet may be attached if the space provided is not sufficient.															
3	Price format shall not be changed by the bidder as the bidder may get disqualified by doing so.															


 Shantanu
 Project Engineer
 Yelahanka CPP
 1 X 370 MW
 27.05.2016



DEVIATION SHEET (COST OF WITHDRAWAL)

**PROJECT:- 370 MW YELAHANKA CCPP
PACKAGE:- VENTILATION SYSTEM SYSTEM**

TENDER ENQUIRY REFERENCE:-PE/PG/YE1/E-5240/2016, DTD-27.05.2016

NAME OF VENDOR:-

SL NO	VOULME/ SECTION	PAGE NO.	CLAUSE NO.	TECHNICAL SPECIFICATION / TENDER DOCUMENT	COMPLETE DESCRIPTION OF DEVIATION	COST OF WITHDRAWAL OF DEVIATION	REFERENCE OF PRICE SCHEDULE ON WHICH COST OF WITHDRAWAL OF DEVIATION IS APPLICABLE	NATURE OF COST OF WITHDRAWAL OF DEVIATION (POSITIVE/ NEGATIVE)	REASON FOR QUOTING DEVIATION
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TECHNICAL DEVIATIONS

COMMERCIAL DEVIATIONS

PARTICULARS OF BIDDERS/ AUTHORISED REPRESENTATIVE

NAME	DESIGNATIONS	SIGN & DATE

NOTES:

- For self manufactured items of bidder, cost of withdrawal of deviation will be applicable on the basic price (i.e. excluding taxes, duties & freight) only.
- For directly dispatchable items, cost of withdrawal of deviation will be applicable on the basic price including taxes, duties & freight.
- All the bidders have to list out all their Technical & Commercial Deviations (if any) in detail 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.
- 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. Payment terms, Liquidated damages, Firm prices and submission of E1/ E2 forms before claiming 10% payment, if a bidder chooses not to give any cost of withdrawal of deviation loading as per Annexure-VIII of GCC, Rev-06 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 withdrawl is to be given seperately for each deviation. In no event bidder should club cost of withdrawl of more than one deviation else cost of withdrawl of such deviations which have been clubbed together shall be considered as NIL.
- In case nature of cost of withdrawl (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.

Shenani

NIT REF NO-PE/PG/YE1/E-5240/2016, DTD-27.05.2016

1 X 370 MW YELAHANKA CCPP

VENTILATION SYSTEM - GAURANTEE POWER CONSUMPTION

S.NO.	DESCRIPTION OF EQUIPMENT	NO OF EQUIPMENT		TOTAL GUARANTEED POWER CONSUMPTION FOR EACH EQUIPMENT AT MOTOR INPUT TERMINAL AND CONTROL PANEL (IN KW)	DUTY FACTOR	TOTAL KW
		WORKING	STANDBY			
		3A	3B	4	5	6=3Ax4x5
1	VENTILATION SYSTEM FOR TG BUILDING					
1.1	Centrifugal Fan of cap. 1, 00,000 CMH at 65 mmwc static pr for air washers.	10	0			
1.2	RE Units 50,000 CMH at 15mmwc	10	0			
				TOTAL (KW)		370

NOTES:

1 Estimated power consumption (EPC) figure for the system (for working drives only) has been considered as **390 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 136000/-per KW** of additional power over EPC.

2 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 136000/-per KW** shall be levied on vendor.

Shuman