

Sl. No	DESCRIPTION OF EQUIPMENT/ ITEM	QTY	UOM	UNIT F.O.B. PRICE (INCLUDING PACKING AND HANDLING AND TRANSPORTATION TO VENDORS OWN PORT.) (CURRENCY)	TOTAL F.O.B. PRICE (INCLUDING PACKING AND HANDLING AND TRANSPORTATION TO VENDORS OWN PORT.) (CURRENCY)	OCEAN FREIGHT (CURRENCY)	OCEAN / MARINE INSURANCE (CURRENCY)	CUSTOM DUTY AFTER AVAILING CENAT 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' /SEII (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.B. SITE PRICE (INR)	EAC, ACCEPTANCE TEST AT SITE AND PERFORMANCE/ GUARANTEE TESTS CHARGES (INR)	SERVICE TAX @ % (INR)	EAC, ACCEPTANCE TEST AT SITE AND PERFORMANCE/ GUARANTEE TESTS CHARGES INCLUDING SERVICE TAX (INR)	TOTAL LUMP SUM PRICE FOR SUPPLY AND EAC WITH SERVICE TAX. (INR)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
a*	186:	500	SCM*							7-2-3-5+6										
b*	205:	500	SCM*																	
c*	225:	600	SCM*																	
d*	245:	1300	SCM*																	
e*	Supply air diffuser with VCD (Extruded Aluminium).	30	SCM*																	
f*	Return air diffuser without VCD (Extruded Aluminium).	30	SCM*																	
g*	GI Volume control dampers for Duct	50	SCM*																	
h*	Acoustic insulation of the first of ducting from AHU outlets.	10	SCM*																	
i*	Thermal insulation of supply air duct & return air duct with finish as specified.	1	LOT																	
j*	Field instruments like pressure gauge, temperature gauge, pressure switch, differential pressure switch, flow switch, flow meters, and other required instruments as per specifications.	1	LOT																	
k*	fire optic cable	250	Rmt*																	
l*	AC System for Aux. Building																			
1*	Air Cooled PAC Unit complete with all accessories as specified. The package unit shall be complete with all accessories like duct heaters, pan humidifier, filters, acoustic insulation of duct for 5m from PU, drain piping with insulation upto nearest drain, required instrumentation etc																			
a)*	10 TR net capacity	1	No*																	
b)*	15TR net capacity	1	No*																	
3*	Air cooled split type AC units consisting of outdoor unit (having compressor condenser coil with fan and motor), indoor unit (having evaporator coil, fan with motor), inter connecting refrigerant piping as per site requirement & fittings with insulation, cordless remote electrical power cord upto the nearest available point along with isolator/MCB, fixing frame for indoor & out door unit, stabilizer etc. (Minimum BEE Rating 5 Star for non ductable units).																			
a)*	5.0 TR capacity (ductable type, 415 V, 3 phase with isolation switch).	2	No*																	
b)*	2.0 TR capacity (non-ductable type, 240 V, 1 phase isolation switch) with isolation switch, i.e. MCB of suitable rating as specified.	20	No*																	
c)*	1.5 TR capacity (non-ductable type, 240 V, 1 phase isolation switch) with isolation switch, i.e. MCB of suitable rating as specified.	30	No*																	
4*	Manually operated, platform trolley of 1 Ton capacity with base area 2m x 1.5m	2	No																	
5	Total lumpsum price for special tools & tackle for maintenance inclusive of packing forwarding, transportation up to site, etc. (Bidder shall submit item-wise price break-up).	1	LOT																	
6	Total lumpsum price for commissioning spare inclusive of packing forwarding, transportation up to site, etc. (Bidder shall submit item-wise price break-up).	1	LOT																	
7	Total lumpsum price for Mandatory Spare for air conditioning inclusive of packing forwarding, transportation up to site, etc. (Bidder to submit item-wise price break-up).	1	LOT																	
8	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 items (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 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.

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**ANNEXURE - II TO NIT REF NO-PE/PG/YE1/E-5239/2016, DTD-26/05/2016
1 X 370 MW YELAHANKA CCPP**

SI No	DESCRIPTION OF EQUIPMENT/ ITEM	QTY/LOM	PRICE SCHEDULE FOR AIR CONDITIONING SYSTEM - MANDATORY SPARES										GRAND TOTAL			
			IMPORTED ITEMS (Supply not from Indian Territory)					INDIGENEOUS ITEMS (Supply from Indian Territory)								
			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' /EIEI (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R. SITE PRICE (INR)	TOTAL LUMP SUM PRICE FOR SUPPLY OF MANDATORY SPARES. (INR)
A	MECHANICAL		1	2	3	4	5	6	7=2+3+5+6	8	9	10	11	12	13=9+10+11+12	14 = 7+13
1.0	Vapour Compression chiller															
1.1	Oil filter -O' ring	1 set														
1.2	Refrigerant filter	1 set														
1.3	Master solenoid valve	1 No														
1.4	Master solenoid valve coil	1 set														
2.0	Refrigerant condenser															
2.1	Gasiket	1 set														
3.0	Refrigerant chiller															
3.1	Gasiket	1 set														
4.0	Air Handling Unit															
4.1	V-Belt for AHU Blower	1 set														
4.2	AHU Blower bearing	1 set														
4.3	Filters	1 sq m / AHU														
4.4	Motor for each size of AHU	1 no.														
5.0	Induced draft FRP cooling tower															
5.1	Fan Impeller	1 no.														
5.2	Spray Nozzles	1 set														
6.0	Horizontal centrifugal pump (for each model)															
6.1	Impeller	1 no of each type														
6.2	Shaft Sleeve	1 set														
6.3	Bearings	1 set														
6.4	Motor Bearing	1 set														
B	ELECTRICAL SPARES															
1.0	Control panel															
1.1	Air break switch	1 no of each rating														
1.2	Aux relays, contactors	2 nos of each type														
1.3	Clustered type LED's of different colours	20 nos														
1.4	Push buttons	6 nos														
1.5	Fuses for power & control circuit	5 sets of each type														
1.6	Control switches	1 of each type														
C	CAI SPARES															
1.0	Control panel	1 no or 10% of the quantity of each type and range, whichever is higher.														
2.0	Measurement and control system															
2.1	Input / output module	1 no or 10% of the quantity of each type, whichever is higher.														
2.2	Each type of fuse	5 nos or 30% of each type, whichever is higher.														
3.0	CPU for main machine interface															
3.1	CPU cards, memory modules, any other PCB modules	1 no or 10% of the quantity of each type, whichever is higher.														
3.2	Power supply module	1 no or 10% of the quantity of each type, whichever is higher.														
4.0	Panel, local panels															
4.1	Fuses of each type and rating	25 nos														
4.2	Mod of each type and rating	5 nos														
4.3	Terminal of each type	5 nos														

NOTES
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ANNEXURE - III

1 X 370 MW YELAHANKA CCPP (KPCL)

IMPORT CONTENT - PRICE SCHEDULE FOR AC SYSTEM PACKAGE

NIT REF NO-PE/PG/YE1/E-5239/2016, DTD-26/05/2016

SL NO	DESCRIPTION OF EQUIPMENT/ ITEM	ALL INCLUSIVE PRICE (As per tender)
1.0	Total price (in terms of `Euro/US \$' and correspondingly in INR as on date) for supply of import content, as required, for total scope defined as per technical specification and terms & conditions of tender taking into account all clarifications, confirmations and agreements till date. (Bidder shall furnish item-wise break-up in a separate sheet)	
1.1.1	In Euro.	
1.1.2	In INR (Corresponding to 1.1.1).	
1.2.1	In US \$.	
1.2.2	In INR (Corresponding to 1.2.1).	
1.3	Total in INR (1.1.2 + 1.2.2).	
NOTE		
1.0	Bidder's quoted price in various schedules shall be inclusive of above total price for import component at sl no 1.3 above.	
2.0	Bidder shall furnish item-wise break-up of imported items.	

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NIT REF NO-PE/PG/YE1/E-5239/2016, DTD-26/05/2016

1 X 370 MW YELAHANKA CCPP

AIR CONDITIONING 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 3A	STANDBY 3B			
				4	5	6=3Ax4x5
1	AC-Plant-1: (CENTRAL CHILLED WATER SYSTEM FOR MAIN CCR AREAS,CER,UPS ETC AC areas of Power house building)					
1.1	Water chilling machine -Screw chiller	1	1		1	0
1.2	AHUs for Common control room areas, CER, computer room etc.	1	1		1	0
1.3	Cooling tower fans for AC plant	1	1		1	0
1.4	Condenser water pumps for AC plant	1	1		1	0
1.5	Chilled water pumps for AC plant	1	1		1	0
1.6	Fresh air fans for above AHU room	1	0		1	0
						TOTAL (KW)
						260
NOTES:						
1	Estimated power consumption (EPC) figure for the system (for working drives only) has been considered as 260 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.					

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