

गेल (इंडिया) लिमिटेड
(भारत सरकार का उपक्रम - महारत्न कम्पनी)
GAIL (India) Limited
(A Govt. of India Undertaking - A Maharatna Company)

ANNEXURE-I TO FOA NO. GAIL/NOIDA/CNP/MAINT/22161/068 DATED 13.03.2023								
PRICE BREAKUP/SCHEDULE OF RATES [SOR]								
SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF PRECISION AIR CONDITIONERS (13TR & 10TR) AT GAIL NOIDA UNDER BUYBACK BASIS								
Name of Contractor →					APEX INFRANET PVT LTD			
S. No.	Description	UoM	Qty	Unit Rate excluding GST	Amount (INR)	GST (in %)	GST (INR)	Total Amount including GST (INR)
1	2	3	4	6	7	8	9 = 7 x 8	10 = 7 + 8
1.00	Cat (A) -New PAC System Items							
2.00	SUPPLY PART							
3.00	13 Tr. Precision Air Conditioning Units Supply of Floor Mounted, Bottom discharge, Air Cooled DX type CRAC units for server room application, equipped with most advanced technology, guaranteeing precise control of Data Centers and server room. The units shall be selected on the basis of following parameters: i) 27 Deg C / 36% RH of return air ii) Supply air in between 15 - 17 Deg C iii)45 Deg C of Design Ambient temperature iv) Precision Air-Conditioner will have green refrigerant (R407C/410A). v) Specific Power consumption shall be low as per site design conditions including compressor, evaporator fans and condensers The Indoor unit shall comprise of Digital Scroll Compressor, Fiberglass corrosion resistant EC fans, Evaporator DX Cooling Coil with hydrophilic coating, Microprocessor controllers, TXV, Driers, G4 Filter, Suction and Discharge piping, Internal power and Control wiring, Crankcase heaters, Infrared Humidifier, Heaters, HP/LP Cutouts, Power and Control contactors, water leak detectors and Other Electrical accessories. The Outdoor Condenser unit shall comprise of Condenser fans & motor, Condenser cooling coil (Copper coil with aluminum fins), Fan speed controller, Isolator switch. The unit shall be suitable for operation on 415 Volts, (+/-5%) 50 Hz, 3 Phase, 4 Wire AC supply. Each unit should be having individual display panel, which shall display date, time, actual & set values, operating conditions, signal faults, collective faults, limiting values and PAC wellness alarm / service alarm to reduce the down time and unit memory shall hold the 400 most recent events with ID number, time and date stamp for each event. The dimensions of the unit shall not be more than 1200 mm x 890mm x 1950mm (L x D x H) Team Mode feature for PAC units controller for synchronizing the Multiple No. of units to work as single system for all above units. Bidders are requested to visit the site before quoting to see the compatibility of the available space with the units being offered. Load sharing mode feature Cascading Effect Sequencing of above Units	EA	2.00	10,09,453.13	20,18,906.25	28%	5,65,293.75	25,84,200.00
4.00	10 Tr. Precision Air Conditioning Units Supply of Floor Mounted, Bottom discharge, Air Cooled DX type CRAC units for server room application, equipped with most advanced technology, guaranteeing precise control of Data Centers and server room. The units shall be selected on the basis of following parameters: i) 27 Deg C / 36% RH of return air ii) Supply air in between 15 - 17 Deg C iii)45 Deg C of Design Ambient temperature iv) Precision Air-Conditioner will have green refrigerant (R407C/410A). v) Specific Power consumption shall be low as per site design conditions including compressor, evaporator fans and condensers The Indoor unit shall comprise of Digital Scroll Compressor, Fiberglass corrosion resistant EC fans, Evaporator DX Cooling Coil with hydrophilic coating, Microprocessor controllers, TXV, Driers, G4 Filter, Suction and Discharge piping, Internal power and Control wiring, Crankcase heaters, Infrared Humidifier, Heaters, HP/LP Cutouts, Power and Control contactors, water leak detectors and Other Electrical accessories. The Outdoor Condenser unit shall comprise of Condenser fans & motor, Condenser cooling coil (Copper coil with aluminum fins), Fan speed controller, Isolator switch. The unit shall be suitable for operation on 415 Volts, (+/-5%) 50 Hz, 3 Phase, 4 Wire AC supply. Each unit should be having individual display panel, which shall display date, time, actual & set values, operating conditions, signal faults, collective faults, limiting values and PAC wellness alarm / service alarm to reduce the down time and unit memory shall hold the 400 most recent events with ID number, time and date stamp for each event. The dimensions of the unit shall not be more than 1200 mm x 890mm x 1950mm (L x D x H) Team Mode feature for PAC units controller for synchronizing the Multiple No. of units to work as single system for all above units. Bidders are requested to visit the site before quoting to see the compatibility of the available space with the units being offered. Load sharing mode feature Cascading Effect Sequencing of above Units	EA	4.00	9,20,031.25	36,80,125.00	28%	10,30,435.00	47,10,560.00
5.00	INSTALLATION, ERECTION & COMMISSIONING OF 2 NOS. OF PAC UNITS. (13 Tr.)							
6.00	Installation & commissioning of Precision AC units comprising of	Nos.	2.00	55,000.00	1,10,000.00	18%	19,800.00	1,29,800.00
7.00	Lifting, shifting & positioning of units to site with help of crane	Nos.	2.00	15,000.00	30,000.00	18%	5,400.00	35,400.00
8.00	Commissioning of the system							
9.00	Indoor Unit	Nos.	2.00	9,000.00	18,000.00	18%	3,240.00	21,240.00
10.00	Outdoor Unit Structure	Kgs	2.00	9,000.00	18,000.00	18%	3,240.00	21,240.00
11.00	Initial charge of R-410a refrigerant gas & oil.	Kgs	50.00	1,400.00	70,000.00	18%	12,600.00	82,600.00
12.00	Interconnecting Copper piping between indoor & outdoor unit. Copper piping will be duly insulated with in the AC space along with Tray (@30RMT/Ckt)							
13.00	Hot gas line	mtr	30.00	1,400.00	42,000.00	18%	7,560.00	49,560.00
14.00	Liquid line	mtr	30.00	1,400.00	42,000.00	18%	7,560.00	49,560.00
15.00	Interconnecting copper cabling between indoor & outdoor unit along with cable tray - 3C x 2.5 sqmm	mtr	300.00	325.00	97,500.00	18%	17,550.00	1,15,050.00
16.00	Incoming Copper Cabling from Incoming Isolator to CRAC Unit (@5RMT/Unit) - 4C x 10 sqmm	mtr	10.00	1,150.00	11,500.00	18%	2,070.00	13,570.00
17.00	Condensate drain piping with CPVC pipes (@5RMT/Unit)	mtr	20.00	450.00	9,000.00	18%	1,620.00	10,620.00
18.00	Humidifier water piping with CPVC pipes (@5RMT/Unit)	mtr	20.00	550.00	11,000.00	18%	1,980.00	12,980.00
19.00	Extension piping kit	Nos.	2.00	12,000.00	24,000.00	18%	4,320.00	28,320.00
20.00	Misc, Civil, Tile cutting and adjustment	LS	1.00	15,000.00	15,000.00	18%	2,700.00	17,700.00
21.00	INSTALLATION, ERECTION & COMMISSIONING OF 4 NOS. OF PAC UNITS. (10 Tr.)							
22.00	Installation & commissioning of Precision AC units comprising of	Nos.	4.00	45,000.00	1,80,000.00	18%	32,400.00	2,12,400.00
23.00	Lifting, shifting & positioning of units to site with help of crane	Nos.	4.00	15,000.00	60,000.00	18%	10,800.00	70,800.00
24.00	Commissioning of the system							
25.00	Indoor Unit	Nos.	4.00	9,000.00	36,000.00	18%	6,480.00	42,480.00
26.00	Outdoor Unit structure	Kgs	4.00	9,000.00	36,000.00	18%	6,480.00	42,480.00
27.00	Initial charge of R-410a refrigerant gas & oil.	Kgs	120.00	1,400.00	1,68,000.00	18%	30,240.00	1,98,240.00

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28.00	Interconnecting Copper piping between indoor & outdoor unit. Copper piping will be duly insulated with in the AC space along with Tray (@30RMT/Ckt)							
29.00	Hot gas line	mtr	160.00	1,400.00	2,24,000.00	18%	40,320.00	2,64,320.00
30.00	Liquid line	mtr	160.00	1,400.00	2,24,000.00	18%	40,320.00	2,64,320.00
31.00	Interconnecting copper cabling between indoor & outdoor unit along with cable tray - 3C x 2.5 sq mm	mtr	170.00	325.00	55,250.00	18%	9,945.00	65,195.00
32.00	Incoming Copper Cabling from Incoming Isolator to CRAC Unit (@5RMT/Unit) - 4C x 10 sqmm	mtr	20.00	1,150.00	23,000.00	18%	4,140.00	27,140.00
33.00	Condensate drain piping with CPVC pipes (@5RMT/Unit)	mtr	20.00	450.00	9,000.00	18%	1,620.00	10,620.00
34.00	Humidifier water piping with CPVC pipes (@5RMT/Unit)	mtr	20.00	550.00	11,000.00	18%	1,980.00	12,980.00
35.00	Extension piping kit	Nos.	4.00	9,000.00	36,000.00	18%	6,480.00	42,480.00
36.00	Misc., Civil, Tile cutting and adjustment	LS	1.00	15,000.00	15,000.00	18%	2,700.00	17,700.00
	TOTAL FOR NEW ITEMS :				72,74,281.25		18,79,273.75	91,53,555.00
37.00	Cat (B) - Buy Back Exisiting PAC System Items							
38.00	BUY-BACK: BUY-BACK OF PRECISION ACs AS PER ANNEXURE G					GST as quoted		
39.00	Buy back of the existing PAC System (Serial Number 90340130121) (8.5 TR)	No.	1	10,000.00	10,000.00	18%	1,800.00	11,800.00
40.00	Buy back of the existing PAC System (Serial Number 50130128104) (7.9 TR)	No.	1	10,000.00	10,000.00	18%	1,800.00	11,800.00
41.00	Buy back of the existing PAC System (Serial Number 50130128103) (8.5 TR)	No.	1	10,000.00	10,000.00	18%	1,800.00	11,800.00
42.00	Buy back of the existing PAC System (Serial Number 50230128105) (7.9 TR)	No.	1	10,000.00	10,000.00	18%	1,800.00	11,800.00
43.00	Buy back of the existing PAC System (9.95 TR)	No.	1	10,000.00	10,000.00	18%	1,800.00	11,800.00
44.00	Buy back of the existing PAC System (9.95 TR)	No.	1	10,000.00	10,000.00	18%	1,800.00	11,800.00
	TOTAL FOR BUY-BACK ITEMS :				60,000.00		10,800.00	70,800.00

VINOD
KUMAR
BHAT

Digitally signed by VINOD KUMAR BHAT
DN: c=IN, o=GAIL INDIA LIMITED,
ou=Contract & Procurement,
2.5.4.20=0884b47a48492042a7d9e2d9f
ae25c19c748e7df569e6ae1481c063fbc0
da10d, postalCode=201301, st=Uttar
Pradesh,
serialNumber=872b3baca69eb3e61ef3e
aa5d42a55a373f748413e66ac1dac3178
bb152f17d4, cn=VINOD KUMAR BHAT
Date: 2023.03.13 18:03:53 +05'30'

Signature Not Verified

Digitally signed by VINOD KUMAR BHAT
Date: 2024.03.14 12:48:33 IST
Location: eProcurement System for Central PSUs