



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

Ref No: - AAI/RHQ/NR/ENGG (E)/AGRA-ARMO HVAC/WO-01/2021-22//61

Date: 09.06.2021

By Speed post/ E-mail
(panpolarengineers@yahoo.co.in)

सेवा में,
मैसर्स पैन पोलर इंजीनियर्स प्रा. लि.,
यूजीएसआर 1-डी, अंसल प्लाज़ा माल,
वैशाली गाज़ियाबाद (उ.प्र.) - 201010,

To,
M/s. Pan Polar Engineers Pvt. Ltd.,
UGSR 1-D, Ansal Plaza Mall,
Vaishali, Ghaziabad (UP)-201010

कार्य का नाम :- एनुयल ऑपरेशन एंड कॉम्प्रेहेंसिव मटेनेंस ऑफ एच. वी. ए. सी. सिस्टम इन्स्टाल्ड एट आगरा एयरपोर्ट (2021-23)

Name of work: - Operation & Comprehensive Maintenance Contract of HVAC system at Agra Airport (2021-23).

संदर्भ: - आपकी निविदा (Tender ID: 2021_AAI_72824_1) वित्तीय बिड दिनांक 25.05.2021 को खोली गयी।

Ref:- Your e-Bid Tender ID: 2021_AAI_72824_1 Financial Bid opened on dated. 25.05.2021.

1. उपरोक्त उल्लेखित कार्य के लिए आपका ई-टेन्डर आपके द्वारा बताए गये मद मूल्यों पर कुल राशि रु. 36,18,600/- (रुपये छत्तीस लाख अठारह हजार और छह सौ मात्र) जीएसटी रहित जो कि न्यायोचित लागत रु. 53,98,234/- जो टेण्डर में दी गई है से 32.97 प्रतिशत नीचे है, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है।

Your e-tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India at the item rates totaling to **Rs. 36,18,600/- (Rupees Thirty Six Lac Eighteen Thousand and Six Hundred Only)** excluding GST which is 32.97% below the justified cost of Rs. 53,98,234/-.

2. उप. महाप्रबंधक (अभि.-विद्युत), उ.क्षे., भारतीय विमानपत्तन प्राधिकरण, प्रचालन कार्यालय, गुरुग्राम रोड, नई दिल्ली-37 इस कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है आप करारनामे पर हस्ताक्षर करने के लिए दिनांक 21.06.2021 तक उप. महाप्रबंधक (अभि.-विद्युत), नई दिल्ली के कार्यालय में उपस्थित हो तथा करारनामे को पूरा करें। ठेके का करारनामा रु 100/- (रु एक सौ मात्र) के नोन ज्युडिशियल स्टैम्प पेपर पर निष्पादित किया जाएगा जिसका खर्चा आपके द्वारा उठाया जाएगा।

Dy. Gen. Manager (E-E), NR, Airports Authority of India, Operational Offices, Gurugram Road, New Delhi-37 shall be Engineer-in-Charge of the work. You are requested to attend the office of Dy. Gen. Manager (E-E), New Delhi by 21.06.2021 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value of **Rs.100/-** (Rs. One Hundred only) and the cost of the stamp paper shall be borne by you.

3. आपने बयाना राशि के रूप में कोई भी राशि जमा नहीं की है। अतः कृपया इस पत्र के जारी होने की तिथि से 07 दिनों के अंदर जमानत राशि ₹ 3,61,860/- (रु. तीन लाख इकसठ हजार आठ सौ साठ मात्र) जमा कर दें, अन्यथा ठेके के दस्तावेज के अनुसार उपरोक्त राशि आपके रनिंग बिल से काट ली जायेगी। सुरक्षा राशि का भुगतान त्रुटि दायित्व अवधि, जोकि कार्य समाप्ती की तिथि से गिना जाएगा, के पूरे होने पर कर दिया जाएगा।

You have not submitted any amount against EMD. Therefore, please deposit an amount of **Rs. 3,61,860/- (Rupees Three Lac Sixty One Thousand Eight Hundred Sixty Only)** towards security deposit within 07 days of issue of this letter, failing which, the same will be deducted from your running bill as per conditions of the contract document. The Security deposit amount will be released after defect liability period which shall be reckoned from the date of completion of work.

4. आपसे निवेदन है कि आप केन्द्रीय और राज्य सरकारों के 1970 के अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम के प्रावधान और अनुबंध श्रम (विनियमन और उन्मूलन) के केन्द्रीय नियम 1971, बालश्रम (निषेध और विनियमन) अधिनियम 1986, निर्माण श्रमिक (रोजगार और सेवा की शर्त का विनियमन) अधिनियम 1996, भवन और अन्य निर्माण श्रमिक कल्याण उपकार अधिनियम 1996 आदि जैसा कि निविदा दस्तावेज़ और केन्द्रीय एवं राज्य सरकार के नियमों में निर्दिष्ट प्रावधानों का अनुपालन करें।

You are requested to comply with the Provisions of Contract Labour (Regulation and Abolition) Act of 1970 and Contract Labour (Regulation & Abolition) Central Rules 1971, Child Labour (Prohibition & Regulation) Act 1986, Contruction Workers (Regulation of Employment & Condition of Service) Act 1996, Building and other contruction Workers Welfare Cess Act 1996 as specified in the tender document and rules of Central and State Government.

5. आपको निर्देशित किया जाता है कि तुरंत क. कार्यपालक (अभि-विद्युत), सी.ए.टी., आगरा हवाई अड्डा से मिले वह आप को साइट सौंपने की व्यवस्था करेंगे। कृपया नोट कर ले कि काम करने का निर्धारित समय 24 महीना है जोकि 16.06.2021 से गिना जाएगा।

You are directed to contact **Jr. Executive (Engg. Elect), CAT, Agra Airport** immediately who will arrange to hand over the site to you. Please note that the time allowed for carrying out the work is **24 (Twenty Four) Months** which shall be reckoned from **16.06.2021**.

6. ठेके के त्रुटि दायित्व अवधि 06 महीने हे जो की कार्य समाप्ती की वास्तविक तिथि जो कि माप पुस्तिका मे दर्ज है, से गिना जाएगा।

The defect liability period shall be of **Six (06) months** from actual completion date as recorded in measurement book.

7. इस अनुबंध के संबंध में कोई और पत्राचार सामान्य रूप से उप. महाप्रबंधक (विद्युत-अभि), उ.क्षे., भारतीय विमानपत्तन प्राधिकरण, प्रचालन कार्यालय, गुरुग्राम रोड, नई दिल्ली -37 को संबोधित किया जाये।

Any further correspondence in connection with this contract should normally be addressed to Dy. Gen. Manager (E-E), NR, Airports Authority of India, Operational Offices, Gurugram Road, New Delhi-37.

8. कृपया पावती भेजें और इस पत्र की डुप्लिकेट कॉपी हस्ताक्षर करने के बाद स्वीकृति के टोकन के रूप में अधोहस्ताक्षरी को लौटाएं।

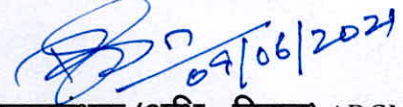
Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned either via email or post as a token of acceptance.

9. उपरोक्त संदर्भित सभी पत्र इस ठेके का भाग होंगे ।

All the letters referred above shall form part of contract.

नोट : हिंदी अथवा अंग्रेजी संस्करण में अंतर पाये जाने पर अंग्रेजी संस्करण मान्य होगा।

NOTE: If there any discrepancy is observed in Hindi and English version, the English version will be considered.



उप महाप्रबंधक (अभि.- विद्युत) / DGM (Engg. - E)

भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India

क्षे. मु.- उ. क्षे. / RHQ-NR, प्रचालन कार्यालय / Operational Office

गुड़गाँव रोड / Gurgaon Road, रंगपुरी, नई दिल्ली / Rangpuri, New Delhi

कृते तथा की ओर से अध्यक्ष / For and on behalf of the Chairman

संलग्न:- मात्रा की अनुसूची (Pg. 1 to 7)

Enclosed:- Schedule of Quantities (Pg. 1 to 7)

SCHEDULE OF WORKS

Name of Work:- Annual Operation & Comprehensive Maintenance of HVAC System installed at Agra Airport (2021-23).

Sl.No.	Descriptions	Qty	Unit	Rate	Amount
1	Provision of manpower for operation of 2 X 300 TR capacity HVAC system alongwith all associated accessories e.g. hot water generator, Chillers, cooling tower, chilled water pump, condensers pump, AHUs, FCUs etc. The contractor is required to deploy following minimum manpower in shift of eight hours on all days except on weekly off day : a) A/C Mechanic-cum Electrician- 01 No. (Skilled) b) A/C operator - 01 No. (semi-skilled) c) Helper - 02 Nos. (Un-skilled)	24	Month	80,000.00	1,920,000.00
2	Operation of 2X 300 TR capacity HVAC system alongwith all associated accessories e.g. hot water generator, Chillers, cooling tower, chilled water pump, condensers pump, AHUs, FCUs etc. during extended watch hours beyond 8 hours of one shift by deploying following minimum manpower : a) A/C operator - 01 No. (Semi skilled) b) Helper - 01 No. (Un-skilled)	50	Hours	160.00	8,000.00
3.01	Annual all inclusive comprehensive maintenance contract of 2X300 TR (York make) water cooled centrifual type chillers including carrying out routine/preventive maintenance, unlimited breakdown maintenance, repair/replacement of all defective components etc as per OEM/AAI specifications, maintenance of records/documentation etc. in all days i/c Sundays & holidays etc. complete as required. i) 1st Year	12	Month	32,000.00	384,000.00
3.02	Annual all inclusive comprehensive maintenance contract of 2X300 TR (York make) water cooled centrifual type chillers including carrying out routine/preventive maintenance, unlimited breakdown maintenance, repair/replacement of all defective components etc as per OEM/AAI specifications, maintenance of records/ documentation etc. in all days i/c Sundays & holidays etc. complete as required. ii) 2nd Year	12	Month	32,000.00	384,000.00

Sl.No.	Descriptions	Qty	Unit	Rate	Amount
4.01	Annual all inclusive comprehensive maintenance contract of following equipments and other accessories other than chillers including carrying out routine/preventive maintenance, unlimited breakdown maintenance, repair/replacement of all defective components etc as per OEM/AAI specifications, maintenance of records/documentation etc. in all days i/c Sundays & holidays etc. complete as required. Equipments a) Water Heating Plant , 100 KW (approx) - 02 Nos b) 40 HP Condenser water pumps-02 Nos. c) 40 HP Chiller water pumps- 02 Nos. d) AHU's with all accessories - 09 Nos. e) 175 TR FRP induced draft cooling towers -03 Nos. f) All electrical panel boards in plant room, AHU's control panel complete as mean for A/C Plant g) Fan coil units 1.5 TR/2.0 TR - 02 Nos. i) 1st Year	12	Month	20,000.00	240,000.00
4.02	Annual all inclusive comprehensive maintenance contract of following equipments and other accessories other than chillers including carrying out routine/preventive maintenance, unlimited breakdown maintenance, repair/replacement of all defective components etc as per OEM/AAI specifications, maintenance of records/documentation etc. in all days i/c Sundays & holidays etc. complete as required. Equipments a) Water Heating Plant , 100 KW (approx) - 02 Nos b) 40 HP Condenser water pumps-02 Nos. c) 40 HP Chiller water pumps- 02 Nos. d) AHU's with all accessories - 09 Nos. e) 175 TR FRP induced draft cooling towers -03 Nos. f) All electrical panel boards in plant room, AHU's control panel complete as mean for A/C Plant g) Fan coil units 1.5 TR/2.0 TR - 02 Nos. ii) 2nd Year	12	Month	20,000.00	240,000.00



Sl.No.	Descriptions	Qty	Unit	Rate	Amount
5.01	Annual all inclusive comprehensive maintenance contract of 1.5 TR capacity window type of different makes AC including carrying out routine/preventive maintenance, unlimited breakdown maintenance, repair/replacement of all defective components such as compressor/ condensor coil etc, Gas charging and any other defective accessories by providing all necessary consumables and spares , maintenance of records/documentation etc. as per special condition of contract and technical specifications etc complete as required. Note: 1 Job is equivalent to comprehensive maintenance of 1 No machine per month. i) 1st Year	72	Job	260.00	18,720.00
5.02	Annual all inclusive comprehensive maintenance contract of 1.5 TR capacity window type of different makes AC including carrying out routine/preventive maintenance, unlimited breakdown maintenance, repair/replacement of all defective components such as compressor/ condensor coil etc, Gas charging and any other defective accessories by providing all necessary consumables and spares , maintenance of records/documentation etc. as per special condition of contract and technical specifications etc complete as required. Note: 1 Job is equivalent to comprehensive maintenance of 1 No machine per month. ii) 2nd Year	72	Job	260.00	18,720.00
6.01	Annual all inclusive comprehensive maintenance contract of 1.5 TR capacity split type of different makes AC alongwith voltage stablizers including carrying out routine/preventive maintenance, unlimited breakdown maintenance, repair/replacement of all defective components such as compressor/ condensor coil etc, Gas charging and any other defective accessories by providing all necessary consumables and spares , maintenance of records/documentation etc. as per special condition of contract and technical specifications etc complete as required. Note: 1 Job is equivalent to comprehensive maintenance of 1 No machine per month. i) 1st Year	324	Job	280.00	90,720.00



Sl.No.	Descriptions	Qty	Unit	Rate	Amount
6.02	Annual all inclusive comprehensive maintenance contract of 1.5 TR capacity split type of different makes AC alongwith voltage stablizers including carrying out routine/preventive maintenance, unlimited breakdown maintenance, repair/replacement of all defective components such as compressor/ condensor coil etc, Gas charging and any other defective accessories by providing all necessary consumables and spares , maintenance of records/documentation etc. as per special condition of contract and technical specifications etc complete as required. Note: 1 Job is equivalent to compehensive maintenance of 1 No machine per month. ii) 2nd Year	324	Job	280.00	90,720.00
7.01	Annual all inclusive comprehensive maintenance contract of storage type water cooler of capacity 40/40 Ltrs of different makes including repair/replacement of all defective components such as compressor/ condensor coil etc, Gas charging and any other defective accessories by providing all necessary consumables and spares , maintenance of records/documentation etc. as per special condition of contract and technical specifications etc complete as required. Note: 1 Job is equivalent to compehensive maintenance of 1 No machine per month. i) 1st Year	36	Job	300.00	10,800.00
7.02	Annual all inclusive comprehensive maintenance contract of storage type water cooler of capacity 40/40 Ltrs of different makes including repair/replacement of all defective components such as compressor/ condensor coil etc, Gas charging and any other defective accessories by providing all necessary consumables and spares , maintenance of records/documentation etc. as per special condition of contract and technical specifications etc complete as required. Note: 1 Job is equivalent to compehensive maintenance of 1 No machine per month. ii) 2nd Year	36	Job	300.00	10,800.00



Sl.No.	Descriptions	Qty	Unit	Rate	Amount
8.01	Annual all inclusive comprehensive maintenance contract of storage type water cooler of capacity 60/120 Ltrs of different makes including repair/replacement of all defective components such as compressor/ condensor coil etc, Gas charging and any other defective accessories by providing all necessary consumables and spares , maintenance of records/documentation etc. as per special condition of contract and technical specifications etc complete as required. Note: 1 Job is equivalent to comprehensive maintenance of 1 No machine per month. i) 1st Year	72	Job	330.00	23,760.00
8.02	Annual all inclusive comprehensive maintenance contract of storage type water cooler of capacity 60/120 Ltrs of different makes including repair/replacement of all defective components such as compressor/ condensor coil etc, Gas charging and any other defective accessories by providing all necessary consumables and spares , maintenance of records/documentation etc. as per special condition of contract and technical specifications etc complete as required. Note: 1 Job is equivalent to comprehensive maintenance of 1 No machine per month. ii) 2nd Year	72	Job	330.00	23,760.00
9.01	Annual all inclusive comprehensive maintenance contract of reverse osmosis water purifier system of capacity 25 LPH installed at various locations of Agra Airport. Job includes routine/preventive maintenance, attending to complaints/ faults/ unlimited breakdowns and taking rectification action, repair/replacement of all defective accessories by providing all necessary consumables and spares , periodical replacemnt of all filters/ candles as per OEM recommandations / special condition of contract and technical specifications etc complete as required. Note: 1 Job is equivalent to comprehensive maintenance of 1 No machine per month. i) 1st Year	48	Job	700.00	33,600.00



Sl.No.	Descriptions	Qty	Unit	Rate	Amount
9.02	Annual all inclusive comprehensive maintenance contract of reverse osmosis water purifier system of capacity 25 LPH installed at various locations of Agra Airport. Job includes routine/preventive maintenance, attending to complaints/ faults/ unlimited breakdowns and taking rectification action, repair/replacement of all defective accessories by providing all necessary consumables and spares , periodical replacemnt of all filters/ candles as per OEM recommandations / special condition of contract and technical specifications etc complete as required. Note: 1 Job is equivalent to compehensive maintenance of 1 No machine per month. ii) 2nd Year	48	Job	700.00	33,600.00
10.01	Annual all inclusive comprehensive maintenance contract of reverse osmosis water purifier system of capacity 50/60 LPH installed at various locations of Agra Airport. Job includes routine/preventive maintenance, attending to complaints/ faults/ unlimited breakdowns and taking rectification action, repair/replacement of all defective accessories by providing all necessary consumables and spares , periodical replacemnt of all filters/ candles as per OEM recommandations / special condition of contract and technical specifications etc complete as required. Note: 1 Job is equivalent to compehensive maintenance of 1 No machine per month. i) 1st Year	72	Job	400.00	28,800.00
10.02	Annual all inclusive comprehensive maintenance contract of reverse osmosis water purifier system of capacity 50/60 LPH installed at various locations of Agra Airport. Job includes routine/preventive maintenance, attending to complaints/ faults/ unlimited breakdowns and taking rectification action, repair/replacement of all defective accessories by providing all necessary consumables and spares , periodical replacemnt of all filters/ candles as per OEM recommandations / special condition of contract and technical specifications etc complete as required. Note: 1 Job is equivalent to compehensive maintenance of 1 No machine per month. ii) 2nd Year	72	Job	400.00	28,800.00
11	Dismantling of 1.5 TR window type AC units including submission of dismantled AC units to AAI store etc complete as required.	2	Job	700.00	1,400.00



Sl.No.	Descriptions	Qty	Unit	Rate	Amount
12	Dismantling of 1.5 TR split type AC units including submission of dismantled AC units to AAI store etc complete as required.	4	Job	700.00	2,800.00
13	Installation, testing & commisioning of 1.5 TR window AC at new location in the existing opening including refrigrant gas charging, minor civil work etc. complete as required.	2	Job	3,000.00	6,000.00
14	Installation, testing & commisioning of 1.5 TR split AC at new location including refrigrant gas charging, providing foundation/fixing of angle iron frame, minor civil work etc. complete as required.	4	Job	2,500.00	10,000.00
15	Supply and fixing of PVC drain pipe (25 mm) nominal etc complete as required.	20	Mtr.	80.00	1,600.00
16	Supply and fixing of AC copper pipes (1/4 inch & 1/2 inch) nominal including insulation, taping etc complete as required.	20	Mtr.	400.00	8,000.00
	Total				3,618,600.00
	(Rupees Thirty Six Lac Eighteen Thousand and Six Hundred Only)				


 Dy Gen. Manager (Engg. - E), NR,
 AAI, Operational Offices,
 Gurugram Road, New Delhi-37

Signature Not Verified

Digitally signed by KAMLESH ANAND
 Date: 2021.06.23 11:29:24 IST
 Location: eProcurement System for Central
 PSUs