



भारतीय विमानपत्तन प्राधिकरण

बिरसा मुण्डा विमानपत्तन, राँची - 834002

AIRPORTS AUTHORITY OF INDIA

BIRSA MUNDA AIRPORT, RANCHI - 834002

Ref: AAI/RC/JGM(Engg.-E)/WO-05/2022-23/ 63-70

Date : 18.09.2023

सेवा में, मेर्सस शिनरियो सुविधा इंजीनियर्स इंडिया प्राइवेट लिमिटेड लिमिटेड, 73, काली मंदिर के पास, जमशेदपुर पूर्वी सिंहभूम, झारखंड-831008	To, M/s SHINRYO SUVIDHA ENGINEERS INDIA PVT. LTD., 73, NEAR Kali Mandir, Jamshedpur East Singhbhum, Jharkhand-831008
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विषय : वर्ष 2023-2025 के लिए बिरसा मुंडा एयरपोर्ट राँची में सेंट्रल एयर कंडीशनिंग प्लांट (4 X 300 टीआर) का व्यापक रखरखाव और संचालन अनुबंध।

Subject : Comprehensive Maintenance & Operation Contract of central Air-conditioning plant (4 X 300 TR) at B.M. Airport Ranchi for the year of 2023-25.

संदर्भ : (i) CPP Portal Bid No: 2023_AAI_163876_1

(ii) Your Price Bid on CPP portal - 05.09.2023

(iii) Your email undertaking & confirmation Letter dtd. 07.09.23

महोदय,

1. उपर्युक्त कार्य हेतु आपकी निविदा अध्यक्ष, भा0वि0प्रा0 की ओर से एतद्वारा इस आधार पर स्वीकार की जाती है कि आपके द्वारा उद्धृत आइटम दरों पर कुल योग, 1,07,42,245/- रु. (एक करोड़ सात लाख बयालीस हजार दो सौ पैंतालीस रुपया मात्र) जी.एस.टी. को छोड़कर जो कि 28.03% न्यायसंगत दर 1,49,25,244/-रु0 (एक करोड़ उनचास लाख पचीस हजार दो सौ चवालीस रुपया मात्र) से कम है।

Your tender for the work mentioned above hereby accepted on behalf of the Chairman, AAI, at the item rates quoted by you totaling to Rs. 1,07,42,245.00 (Rupees One Crore Seven Lakhs Forty Two Thousand and Two Hundred Forty Five Only) excluding GST which is 28.03% below from the estimate cost put in tender Rs. 1,49,25,244.00 (Rupees One Crore Forty Nine Lakhs Twenty Five Thousand and Two Hundred Forty Four Only).

2. कृपया ध्यान दें कि कार्य को पूरा करने के लिए अनुमत समय चौबीस महीने का है। काम के शुरू होने की अवधि SOQ अनुबंध-I के अनुसार 22.09.2023 से होगी।

Please note that the time allowed for carrying out the work is 24 (Twenty Four) months. The commencement period of contract for the work shall be as per SOQ from 22.09.2023 as per Annexure-I.

3. अनुबंध दस्तावेजों के ईएनआईटी-02 के अनुसार बयाना राशि आपकी निविदा के साथ प्राप्त रु. 2,98,505.00 (दो लाख अठानवे हजार पांच सौ पांच मात्र) को सुरक्षा जमा के हिस्से के रूप में परिवर्तित कर दिया गया है। कृपया 7,75,720.00 (सात लाख पचहत्तर हजार सात सौ बीस मात्र) रुपये जमानत राशि के रूप में इस पत्र के जारी होने की तिथि से 15 दिनों के भीतर जमा करा दें, ऐसा न करने पर शर्त के अनुसार आपके चल रहे बिलों से कटौती की जाएगी। 1(ए) अनुबंध दस्तावेजों के पेज जीसीसी-16 पर।

As per eNIT-02 of the contract documents, Earnest Money amount of Rs. 2,98,505.00 (Rupees Two Lacs Ninty Eight Thousand Five Hundred and Five Only) received along with your tender has been converted as part of security deposit. Please deposit Rs. 7,75,720.00 (Rupees Seven Lacs Seventy Five Thousand Seven Hundred and Twenty Only) towards security deposit within 15 days from the date of issuing of this letter, failing which, the same will be deducted from your running bills as per condition I(A) on page GCC-16 of the contract documents.

4. एजेंसी अधिकतम उद्धृत राशि के @10% की दर से सुरक्षा जमा के खिलाफ बैंक गारंटी जमा करेगी और डीएलपी अवधि + 03 महीने की दावा अवधि तक कुल अनुबंध के लिए वैध होगी। यदि एजेंसी बैंक गारंटी जमा नहीं करती है, तो उस स्थिति में, सुरक्षा जमा @10% चालू और अंतिम बिल से काट लिया जाएगा। सुरक्षा जमा राशि दोष देयता अवधि के संतोषजनक पूरा होने के बाद ही वापस की जाएगी।

The agency shall submit the Bank Guarantee against the Security Deposit @ 10% of quoted amount and be valid for total contract up to DLP period plus 03 months claim period. If the agency do not

टेली फेक्स : 0651 - 2252042 (का), दुरभाष : 0651 - 2250107

Tele Fax: 0651-2252042(O) Telephone: 0651 - 2250107



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submit the Bank Guarantee, in that case, the Security Deposit @ 10% will be deducted from running and final bills. The security seposit shall be refunded only after satisfactory completion of defects liability period.

5. संमहाप्रबंधक(अभि.-विद्युत), भा0वि0प्रा0 बिरसा मुण्डा हवाई अड्डा राँची कार्य के प्रभारी अभियंता होंगे। आप कृपया अपने प्राधिकृत एवं संविदा-करार पर हस्ताक्षर करने में सक्षम प्रतिनिधि को हस्ताक्षर एवं करार पूरा करने हेतु वरिष्ठ प्रबंधक(अभि.-विद्युत), भारतीय विमानपत्तन प्राधिकरण, बिरसा मुण्डा हवाई अड्डा, राँची के कार्यालय में 03.10.2023 तक भेजे। संविदा करार आप द्वारा उपलब्ध कराए गए 100/- रु (सौ रुपये) के गैर अदालती पक्के कागज पर सम्पादित किया जाएगा।

Jt. General Manager (Engg.-E), AAI, BM Airport, Ranchi, shall be the Engineer-in-charge of the work. You are requested to depute your accredited representative empowered to sign the contract agreement on your behalf to attend the office of Jt. General Manager (Egg.-E), Airports Authority of India, BM Airport, Ranchi by 03.10.2023 to sign and complete the agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs. 100/- and cost of the stamp paper shall be borne by you.

6. आपसे अनुरोध है कि आप संविदा श्रम (नियमन व समापन) अधिनियम-1970 के प्रावधानों तथा संविदा श्रम (नियमन व समापन) केन्द्रीय नियम, 1971, एवं केन्द्र व राज्य सरकारों के तत्सम्बन्धी न्यूनतम मजदूरी अधिनियम व नियमों का पालन करें You are requested to comply with the provisions of Contract Labour (Regulation & Abolition) Act. of 1970 and Contract Labour (Regulation & Abolition) Central Rules-1971 & Minimum Wages Act., & rules thereof of Central and State Governments.

7. आपकी निविदा एवं इस कार्य के संदर्भ में उल्लिखित पत्र, इस अवार्ड पत्र सहित करार का हिस्सा होंगे। कृपया नोट करें कि दोष दायित्व अवधि (06) छः महीने होगी।

Your tender mentioned above under the reference for this work shall form part of the agreement along with this awarded letter. Please note that the defect liability period shall be **(06) Six Months** with effect from actual date of completion.

8. भविष्य में संविदा से संबंधित कोई भी पत्राचार संयुक्त महाप्रबंधक (अभि.-विद्युत), भारतीय विमानपत्तन प्राधिकरण, बिरसा मुण्डा हवाई अड्डा, राँची से किया जाए। Any further correspondence in connection with the contract shall normally be addressed to the Jt.GM (Engg.-E), BM Airport, Ranchi.

9. E.P.F. & E.S.I. की दिशा में भुगतान सीधे मौजूदा नियमों के अनुसार ठेकेदार द्वारा सीधे संबंधित शासी निकायों को किया जाएगा और भुगतान के लिए मासिक आधार पर बयान का प्रमाण AAI को प्रस्तुत किया जाएगा। The payment towards E.P.F. & E.S.I. shall be paid by the contractor directly to the concerned governing bodies as per existing rules and the proof of the statement shall be submitted to AAI on monthly basis for payment.

10. अन्य सभी नियम और शर्तें एनआईटी के अनुसार होंगी। Rest all other Terms & Condition shall be as per NIT.

11. कृपया पावती भेजें। Please acknowledge the receipt of the same.

धन्यवाद / Thanking,

Encl: 1. Schedule of Quantity Annexure-I - 06 pages.

भवदीय,

18/09/2023

सं0म0प्रा0(अभि0-वि0)

अध्यक्ष की ओर से और उनके लिए

भा0वि0प्रा0, बि0मु0एयरपोर्ट

राँची-834 002

AIRPORTS AUTHORITY OF INDIA
B. M. AIRPORT, RANCHI
SCHEDULE OF QUANTITY

Name of work:- Comprehensive Maintenance & Operation Contract of central Air-conditioning plant (4 X 300 TR) at B.M. Airport Ranchi for the year of 2023-25.

Sl. No.	Description of item	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	PART-A:- (Operation & CMC of HVAC plant)				
1	Operation of the high side and low side of 4X300 TR Central Air conditioning plant comprising of all machinery equipments installed in A.C plant room and NITB i.e cooling towers,AHUs, pipeline,L.T Panels , In line fans,Hot water generator, FCU's,cassette units, Aircurtains, hand drier,Kitchen Scrubbers & air washer, CHW & condenser water pumps etc as per condition of contract & as per maintenance shedule along with providing minimum 01 no. supervisor, 02 Nos. Highly skilled , 02 Nos. skilled & 02 nos. semi skilled manpower (i/c reliever) per day for operation in two shifts of 8 hours each shift including Sundays and holidays as per direction of EIC.				
(a)	For first year	1	Yearly	2184374.00	2184374.00
(b)	For second year	1	Yearly	2184374.00	2184374.00
2	Providing Comprehensive maintenance services (preventive & breakdown) of the high & low side of 4 x 300 TR Central Air conditioning plant comprising of all machinery equipments installed in A.C. plant room and NITB i.e Chillers, cooling towers, Hot water generator, AHUs, Pumps with VFD , motorized valve , water type cassettee units , Inline fans, FCU's & Kitchen Scrubbers & L.T panels etc. as required & as per technical specifications & special condition of contract.				
(a)	For first year.	1	Yearly	834087.00	834087.00

Sl. No.	Description of item	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
(b)	For second year	1	Yearly	834087.00	834087.00
3	Providing maintenance services with up keeping all records of building management systems as per installation details and maintenance schedule as well as attending the complaint in line with requirements as per special condition of contract along with providing minimum 02 Nos. Highly skilled per day including Sundays and holidays as per direction of EIC.				
(a)	For first year	1	Yearly	1105942.00	1105942.00
(b)	For second year	1	Yearly	1116757.00	1116757.00
	PART-B:- (Repairs of unserviceable chiller 03 & 04)				
4	Rectification work of unserviceable chillers with comprasing the following activity.Dismantling of condenser dome, drawout/flushing out the water from both side of evaporator and condenser shell.Identify the leakage in copper water tube of condenser and evaporator tube by nitrogen pressure testing .If the leakage is found, the leakage shall be arrested with brass bullet and the pressure holding test shall be done to find out the more leakage if any.After pressure holding test, the nitrogen flushing in both chamamber to be carried out to remove the moisture / water & the vacuuming the whole chiller & compressor oil shall be replaced . If the filter drier is faulty the same shall be replaced.After vacuuming the chiller, the refrigerant charging shall be done if required with appropriate refrigerant (R134A) & perssure shall be measured.The pressure transducer shall be changed if required.	2	job	92000.00	184000.00
	PART-C:- (Replacement of BMS Items)				
5	Replacement of following BMS accesseries with upto date ammendment etc as required.				

Sl. No.	Description of item	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
(i)	SITC of Stand-alone UL Listed, Modular DDC Controller with latest version equivalent to existing DDC PXC 64 U(expandable upto Maximum 200 points for Inline Ventilation fans compatible with existing IO modules and BMS system i/c some modification with wiring etc as required & as per direction of EIC. All Controllers shall be hooked up with existing IO modules with upto date ammendment etc as required.	2	job	270172.00	540344.00
(ii)	SITC of Stand-alone UL Listed, Modular DDC Controller equivalent to existing DDC PXC 36D,PXC 22 D (expandable upto Maximum 80 points for AHU & STP/ MWTP compatible with existing BMS system i/c some modification with wiring etc as required & as per direction of EIC. Controllers shall be supplied with required IO modules to meet the existing IO requirement.	2	job	178247.00	356494.00
(iii)	SITC of RA Temperature + RH% Sensor etc as required & suitable for HVAC Plant.	4	Nos	21119.00	84476.00
(iv)	SITC of Room CO2 Sensor etc as required & suitable for HVAC Plant.	1	Nos	25182.00	25182.00
(v)	SITC of Supply Air Temperature Sensor etc as required & suitable for HVAC Plant.	1	Nos	12070.00	12070.00
(vi)	SITC of Immersion Temperature Sensor etc as required & suitable for HVAC Plant.	9	Nos	4785.00	43065.00
	PART-D:- (Replacement of Vaves, strainer & Bellows)				
6	Replacement of existing items with new one of following valves, strainers, gauges (In the chilled water & condensor line) plumbing duly insulated to the same specifications as the connected piping and adequately supported as per specifications & when as required at site.				
(a)	suction guide stainer Mesh				
(i)	250 mm dia.	4	each	2750.00	11000.00
(ii)	200 mm dia.	8	each	2750.00	22000.00
(b)	Expansion Bellow with rotation flanges made with EPDM suitable for sustenable pressure 10kg/sqcm.				
(i)	300 mm dia.	8	each	24939.00	199512.00

Sl. No.	Description of item	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
(ii)	200 mm dia.	8	each	13570.00	108560.00
(iii)	150 mm dia	8	each	10102.00	80816.00
7	Replacement of filter dryer with new one in chillers units etc as required.	12	nos.	1650.00	19800.00
8	Providing and fixing in position the industrial type pressure gauges with gun metal / brass valves complete as required.	51	each	1870.00	95370.00
9	Providing & fixing in position the mercury glass industrial type thermometers.	43	each	1045.00	44935.00
10	Provided the water test report of filter water from authorised NABL accredited laboratory / Government agency etc as required.	50	per month	1100.00	55000.00
11	Supply of compressor oil suitable for Mcquay chiller unit as per OEM approved etc as required. The item shall be executed as when as required.	100	ltr	4400.00	440000.00
12	Supply of refrigerent R134A suitable for Mcquay chiller unit as per OEM approved etc as required. The item shall be executed as when as required.	125	kg	440.00	55000.00
13	Supply of fins required for 03 nos. cooling towers etc as required & as direction of EIC.	3	set	35000.00	105000.00
Total					10742245.00

Note: Rate is Comprehensive and excluding of GST.

Say Rs.1,07,42,245.00 (One Crore Seven Lakh Forty Two Thosand and Two Hundred Forty Five Only)

JGM (Engg-E)
AAL, B.M.Airport, Ranchi

Signature
18/10/2023

Signature Not Verified

Digitally signed by RIJENDRA KUMAR
Date: 2023.10.03 12:37:00 IST
Location: eProcurement System for Central PSUs