



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

संदर्भ संख्या :

Ref. No. : AAI/RHQ/NER/DGM (E-E)/TEZ--WO-03/2019-20/

दिनांक :

Date. : 17.03.2020.

सेवा में /To,
M/s Hygienic World,
Parnashree Apartment,
Flat 4/B-2, Kannwachal Road,
Silpukhuri, Guwahati-781003

विषय : "तेजपुर हवाई अड्डे पर पुराने जल उपचार संयंत्र का प्रतिस्थापन।"

Sub: Work Order for "Replacement of Old Water Treatment Plant at Tezpur Airport."

रेफरी: ई-Bid 2020_AAI_41834_1 आपकी कीमत बोली 28.02.2020 को खोली गई।

Ref: E-Bid no. 2020_AAI_41834_1, your price bid opened on 28.02.2020.

महाशय/Dear Sir(s),

1. ऊपर उल्लिखित कार्य के लिए आपका टेंडर, अध्यक्ष, एएआई द्वारा आपके मोल भाव द्वारा उद्धृत आइटम दरों पर, रु। 23,48,280.00 (रुपए तेईस लाख अड़तालीस हजार दो सौ अस्सी केवल) की राशि के लिए स्वीकार किया जाता है। जो GST को छोड़कर है।

Your tender for the work mentioned above is hereby accepted on behalf of the Chairman, AAI at the item negotiation rates quoted by you, for an amount of Rs. 23,48,280.00 (Rupees Twenty Three Lakhs Forty Eight Thousand Two Hundred and Eighty Only) Excluding GST.

2. उप. महाप्रबंधक (अभि-विद्युत), भारतीय विमानपत्तन प्राधिकरण, आरएचक्यू, एनईआर, गुवाहाटी - 781015 कार्य के इंजीनियर-इन-चार्ज हैं और सहा. प्रबंधक (अभि-विद्युत), एएआई, तेजपुर हवाई अड्डे, उनके अधिकृत प्रतिनिधि होंगे। आपसे अनुरोध है कि आप उप. महाप्रबंधक (अभि-विद्युत), भारतीय विमानपत्तन प्राधिकरण, आर एच क्यू-उत्तर पूर्वी क्षेत्र, गुवाहाटी - 781015 के कार्यालय में अपनी ओर से हस्ताक्षर करने के लिए अधिकार प्राप्त प्रतिनिधि को अनुबंधित समझौते पुर्न करने के लिए 27.03.2020 तक तैनात करें। करार। अनुबंध को रु। 100/- के गैर-न्यायिक स्टाम्प पेपर पर निष्पादित किया जाएगा। और स्टॉप पेपर की लागत आपके द्वारा वहन की जाएगी।

Contd...2/-

Handwritten signature and date 17/3/20
DGM(E-E)

The Dy. General Manager (E-E), Airports Authority of India, RHQ, NER, Guwahati - 781015 is the Engineer-In-Charge of the work and Asstt. Manager (E-E), AAI, Tezpur Airport will be his authorized representative. You are requested to depute your accredited representative empowered to sign the contract agreement on your behalf to attend the office of the Dy. General Manager (E-E), Airports Authority of India, RHQ, NER, Guwahati - 781015 by 27.03.2020 to sign and complete the agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs. 100/- and the cost of the stamp paper shall be borne by you.

3. कृपया सुरक्षा जमा राशि रुपये 1,69,958.00 (रुपए एक लाख उनहत्तर हजार नौ सौ अठ्ठावन केवल) इस पत्र के जारी होने की तारीख से 10 (दस) दिनों के भीतर जमा करें। ऐसे न करने पर संविदा दस्तावेज, के पृष्ठ 16 पर दी गई खंड संख्या 1(ए) की शर्त के अनुसार रूनिंग बिल में से काट दिया जाएगा।

Please deposit Rs. 1,69,958.00 (Rupees One Lakhs Sixty Nine Thousand Nine Hundred and Fifty Eight only) towards security deposit within 10 (Ten) days from the date of issue of this letter, failing which, the same will be deducted from your running bill as per Tender Clause No. 1(A) on page 16 of the Contract document.

4. आपसे अनुरोध है कि अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम 1970 और अनुबंध श्रम (विनियमन और उन्मूलन) केंद्रीय नियम, 1971 और न्यूनतम मजदूरी अधिनियम और नियम केंद्र / राज्य सरकारों के प्रावधानों 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 and Rules thereof Central/ State Governments.

5. आपको सहा. प्रबंधक (अभि-विद्युत), एएआई, तेजपुर हवाई अड्डे, से तुरंत संपर्क करने के लिए निर्देशित दिया जाता है जो आपको साइट सौंपने की व्यवस्था करेगा। कृपया ध्यान दें कि कार्य पूरा होने के लिए अनुमत समय 05 (पांच) महीना है जिसे 27.03.2020 से गीणना जायेगा।

You are also directed to contact the Asstt. Manager (E-E), AAI, Tezpur Airport, immediately who will arrange to handover the site to you. Please note that the time allowed for completion of the work is 05 (Five) Months which shall be reckoned from 27.03.2020.

6. इस काम के लिए आपकी निविदा इस पुरस्कार पत्र के साथ समझौते का हिस्सा बन जाएगी। अन्य सभी नियम एवं शर्तें एनआईटी के अनुसार होंगी।

Your tender for this work shall form part of the agreement along with this award letter. All other terms & conditions shall be as per NIT.

Contd... 3/-

13/3/20
DGM(E-E)

7. अनुबंध के संबंध में आगे कोई पत्राचार आम तौर पर उप. महाप्रबंधक (अभि-विद्युत), भारतीय विमानपत्तन प्राधिकरण, आरएचक्यू, एनईआर, गुवाहाटी - 781015 को संबोधित किया जाना चाहिए।

Any further correspondence in connection with the contract should normally be addressed to the Dy. General Manager (E-E), AAI, RHQ, NER, Guwahati Airport - 781015.

8. कृपया रसीद को स्वीकार करें और इस स्वीकृति के टोकन के रूप में आपके द्वारा विधिवत हस्ताक्षरित और मुद्रांकित इस आदेश की डुप्लिकेट प्रतिलिपि वापस करें।

Please acknowledge the receipt and return the duplicate copy of this order duly signed & stamped by you as a token of your acceptance.

9. यदि कोई विसंगति पाई जाती है तो अंग्रेजी भाषा ही मान्य होगी।

In case any discrepancy is found, then English version will be taken as correct.

धन्यवाद /Thanking you,

Yours faithfully

उप. महाप्रबंधक (अभि-विद्युत) /Dy. General Manager(E-E)
अध्यक्ष के लिए और और से/For and on behalf of CHAIRMAN
भारतीय विमानपत्तन प्राधिकरण/Airports Authority of India
आरएचक्यू-एनईआर, गुवाहाटी - 15/RHQ-NER, Guwahati -15.

अनुलग्नक/ Encl : मात्रा का बिल/ Bill of Quantities.

SCHEDULE OF QUANTITIES

Work: Replacement of old Water Treatment Plant at Tezpur Airport.

Order ID: 2020_AAI_41834_1

Sl.No	Description of Work / Item(s)	Qty	Units	Rate	Amount
	SH-I SITC WORK AT AIRPORT SITE				
1	Design, Supply, Installation, testing and Commissioning of Heavy duty Electronic Dosing Pump set with Charging of Liquid Chlorin and Soda Ash of required grade including non-return valve tubing and related piping between dosing pumps to water storage tank etc. complete as per site requirement.				
a)	Automatic Chlorine Dozer, an electronic pump using solenoid, controlled by internal circuit to drive a reciprocating diaphragm for Disinfection comprising of as specified as under. Tank: 200 litres, Preferably HDPE tank with lid. Solution: 1 charge of liquid chlorine of required grade. Suction & Discharge Tubing: 6/8 mm OR 4/6 mm diameter UVPC. Electrical: 230 volts AC (+/-10%) 50 HZ Dosing rate: 15 Liters per Hour at 4-5 kg/cm2 Strokes/Minute: min 60/50 to max 400-500 Valves & Fittings & Accessories: 1 Lot	1	No	35000.00	35000.00
b)	Automatic Soda Ash Dozer, an electronic pump using solenoid, controlled by internal circuit to drive a reciprocating diaphragm for PH correction comprising of as specified as under: Tank: 200 litres, Preferably HDPE tank with lid. Solution: 1 charge of soda ash liquid of required grade. Electrical: 230 volts AC (+/-10%) 50 HZ Suction & Discharge Tubing: 6/8 mm OR 4/6 mm diameter UVPC. Dosing rate: 15 Liters per Hour at 4-5 kg/cm2 Strokes/Minute: min 60/50 to max 400-500 Fuse: 600 mA or as per OEM PH Value maintaining capability: 7 to 7.5 Valves & Fittings & Accessories: 1 Lot	1	No	35000.00	35000.00

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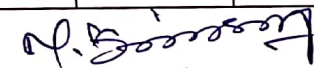
Sl.No	Description of Work / Item(s)	Qty	Units	Rate	Amount
2	Supplying, Installation & Commissioning of Iron Removal Filter of 15 m3/h, vertical cylindrical type, FRP vessel including pipeline 80 mm dia, valves of suitable size filled with filter media alongwith making suitable RCC Platform. The shell thickness shall be of min 10 mm. The shell shall also be provided with adequate size of air vent line as required. MOC: FRP, COMPOSITE STRUCTURAL Flow rate: 15 M3/Hr. Make: Pentair/Ion exchange/Zeolite/Thermax/ Equivalent. Dimension: Minimum 1200 mm dia. X 2400 mm height Pipe Line Size: 80 mm diameter frontal UPVC pipelines with Suitable number of Valves and Pressure Gauge for Service, Back washing and rinse etc. aeration valve for air purging. MOC of pipeline: UPVC. No. of Valves: As per site requirement/Direction of E-I-C.. Stamped On Vessels: NSF, ASME/ANSI Standard, CE certified/ISO Certification. FRP vessel with Manhole, Handhole and Bed Plate facility : As per OEM Design Opening : 6" Top & Bottom flanged Flanged Strainers : Top-Bottom HUB Lateral dual type Strainer Base : FRP Tripod Filter Media : MNO2 lumps, Anthracite, 16/32 mesh Barakar sand, Fine sand, Gravels and Pebbles 3 Grades Aeration Valve: Provided for air purging. Max Operating Pressure : 10 Kg/ Sq.cm Installation & Service: As per OEM	1	Job	280000.00	280000.00
3	Overhauling of existing Filter comprising of as specified as under: (a) Unloading of media from the vessels of existing filter. (b) Cleaning of the vessels, Painting inside with epoxy/zinc chromate and outside of the vessel with sy. enamelled paint. (c) Supply & loading of new charge of Sand, Silex, Pebbles, Zeofil, Gravel etc for existing filter-1 Lot (d) Supply & Installation of Rubber Packing, Nuts & Bolts-1 Lot (e) Replacement or Provision of defective /Unserviceable Service/Back wash/Aeration valve, Pressure Gauge, Pipe Lines, Base for Vessels etc.	1	Job	80000.00	80000.00


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 DGM (EE)

	Description of Work / Item(s)	Qty	Units	Rate	Amount
	Supplying, Installation & Commissioning of Activated Carbon Filter, vertical cylindrical type, FRP vessel including pipeline 80 mm dia, valves of suitable size filled with activated carbon media alongwith making suitable RCC Platform. The shell thickness shall be min. 10 mm. The shell shall also be provided with adequate size of air vent line with valve etc as required. MOC: FRP, COMPOSITE STRUCTURAL Flow rate: 15 M3/Hr. Make: Pentair/Ion exchange/Zeolite/Thermax/ Equivalent. Dimension: Minimum 1200 mm dia. X 2400 mm height Pipe Line Size: 80 mm diameter frontal UPVC pipelines with Suitable number of Valves and Pressure Gauge for Service, Back washing and rinse etc. aeration valve for air purging. MOC of Pipeline: UPVC No. of Valves: As per site requirement/Direction of E-I-C. Stamped On Vessels: NSF, ASME/ANSI Standard, CE certified/ISO Certification. FRP vessel with Manhole, Handhole and Bed Plate facility : As per OEM Design Opening : 6" Top & Bottom Flanged Flanged Strainers : Top Bottom HUB Lateral dual type Strainer Base: FRP Tripod Filter Media: Activated Carbon Best Quality and Barakar sand white sand 8/16 support Media, Gravels & Pebbles. Aeration Valve : Provided for air purging Max Operating Pressure : 10 Kg/ Sq.cm Installation & Service: As per OEM	1	Job	320000.00	320000.00
5	Provision of Interconnecting pipelining work of sizes of 80 mm dia of B-Class GI pipe in SUCTION AND DISCHARGE Lines of Pump Set alongwith accessories like Tee, union, flanges, bend, socket, nipple etc. complete as per site requirements.	50	Mtr	800.00	40000.00
6	Supply of following media:				
a)	Soda Ash (112Kg X 4 years)	448	Kg	70.00	31360.00
b)	Chlorine (150 Litre X 4 Years)	600	Litre	50.00	30000.00
	SH-II : AMC WORKS AT AIRPORT SITE				
7	Annual Maintenance Contract of Iron removal water Plant consisting of PFOC, IRF, ACF, Chlorine Dozer, Soda Ash Doser, Motor pump etc. by deploying of manpower for carrying out Monthly Preventive Maintenance, Attending Unlimited breakdown call, repairing of leakages, backwash, maintaining maintenance record/report, data compilation, Conducting of both Raw and Treated water quality test from Govt. Laboratories/Approved labs once in every month, replacing the damaged parts like Valves, Guage, Pipe Lines and other minor part and carrying out Quaterly/Semi-Annually/Annual maintenance of all installed units related to Iron removal Plant, safe disposal of spent media, back wash waste water. The Annual Comprehensive maintenance contract shall start after the completion of DLP of 1 year.				
a)	For 1st year	1	Annum	144000.00	144000.00
b)	For 2nd Year (including Change of Filter media)	1	Annum	144000.00	144000.00
c)	For 3rd Year	1	Annum	144000.00	144000.00

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Sl.No	Description of Work / Item(s)	Qty	Units	Rate	Amo
	SH-III : SITC WORK AT COLONY SITE				
8	Design, Supply, Installation, testing and Commissioning of Heavy duty Electronic Dosing Pump set with Charging of Liquid Chlorin and Soda Ash of required grade including non-return valve tubing and related piping between dosing pumps to water storage tank etc. complete as per site requirement.				
a)	Automatic Chlorine Dozer, an electronic pump using solenoid, controlled by internal circuit to drive a reciprocating diaphragm for Disinfection comprising of as specified as under: Tank: 200 litres, Preferably HDPE tank with lid. Solution: 1 charge of liquid chlorine of required grade. Electrical: 230 volts AC (+/-10%) 50 HZ Suction & Discharge Tubing : 6/8 mm OR 4/6 mm diameter UVPC. Dosing rate: 8 Litres per Hour at 4-5 kg/cm2 Strokes/Minute: min 60/50 to max 400-500 Fuse: 600 mA or as per OEM Valves & Fittings & Accessories: 1 Lot	1	No	35000.00	35000.00
b)	Automatic Soda Ash Dozer, an electronic pump using solenoid, controlled by internal circuit to drive a reciprocating diaphragm for PH correction comprising of as specified as under: Tank: 200 litres, Preferably HDPE tank with lid. Solution: 1 charge of soda Ash liquid of required grade. Electrical: 230 volts AC (+/-10%) 50 HZ Suction & Discharge Tubing: 6/8 mm OR 4/6 mm diameter UVPC. Dosing rate: 8 Litres per Hour at 4-5 kg/cm2 Strokes/Minute: min 50/60-max 500 Fuse: 600 mA or as per OEM PH Value maintaining capability: 7 to 7.5 Valves & Fittings & Accessories: 1 Lot	1	No	35000.00	35000.00


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	Description of Work / Item(s)	Qty	Units	Rate	Amount
	Supplying, Installation & Commissioning of Iron Removal Filter of 8 m³/h, vertical cylindrical type, FRP vessel including pipeline 50mm dia, valves of suitable size filled with filter media alongwith making suitable RCC Platform. The shell thickness shall be of 10 mm. The shell shall also be provided with adequate size of air vent line as required. MOC: FRP, COMPOSITE. Flow rate: 8 M³/Hr. Make: Pentair/Ion exchange/Zeolite/Thermax/ Equivalent. Dimension: Minimum 900 mm X 1800 mm. Pipe Line Size: 50 mm diameter frontal UPVC pipelines with Suitable number of Valves and Pressure Gauge for Service, Back washing and rinse etc. aeration valve for air purging. MOC of pipeline: UPVC. No. of Valves: As per site requirement/Direction of E-I-C.. Stamped On Vessels: NSF, ASME/ANSI Standard, CE certified/ISO Certification FRP vessel with Manhole, Handhole and Bed Plate facility : As per OEM Design Opening : 4" Top & Bottom Threaded Threaded Strainers : Top-Bottom HUB Lateral dual type Strainer Base : FRP Tripod Filter Media : MNO₂ lumps, Anthracite, 16/32 mesh Barakar sand, Fine sand, Gravels and Pebbles 2 Grades (better) Aeration Valve: Provided for air purging. Max Operating Pressure : 10 Kg/ Sq.cm Installation & Service: As per OEM	1	Job	160000.00	160000.00
10	Overhauling of existing Filter comprising of as specified as under: (a) Unloading of media from the vessels of existing filter. (b) Cleaning of the vessels, Painting inside with epoxy/zinc chromate and outside of the vessel with sy. enamelled paint. (c) Supply & loading of new charge of Sand, Silex, Pebbles, Zeofil, Gravel etc for existing filter-1 Lot (d) Supply & Installation of Rubber Packing, Nuts & Bolts-1 Lot (e) Replacement or Provision of defective /Unserviceable Service/Back wash/Aeration valve, Pressure Guage, Pipe Lines, Base for Vessels etc.	1	Job	60000.00	60000.00

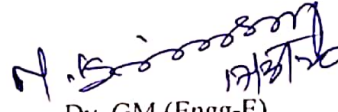

17/10/20
Jm (EE)

Sl.No	Description of Work / Item(s)	Qty	Units	Rate	Am
11	Supplying, Installation & Commissioning of Activated Carbon Filter, vertical cylindrical type, FRP vessel including pipeline 50mm dia, valves of suitable size filled with activated carbon media alongwith making suitable RCC Platform. The shell thickness shall be of 10 mm . The shell shall also be provided with adequate size of air vent line with valve etc as required. MOC: FRP,COMPOSITE. Flow rate: 8 M3/Hr. Make: Pentair/Ion exchange/Zeolite/Thermax/ Equivalent. Dimension: Minimum 900 mm X 1800 mm. Pipe Line Size: 50 mm diameter frontal UPVC pipelines with Suitable number of Valves and Pressure Gauge for Service, Back washing and rinse etc. aeration valve for air purging. MOC of pipeline: UPVC. No. of Valves: As per site requirement/Direction of E-I-C. Stamped On Vessels: NSF, ASME/ANSI Standard, CE certified/ISO Certification FRP vessel with Manhole ,Handhole and Bed Plate facility : As per OEM Design Opening : 6" Top & Bottom Threaded/Flanged Strainers : Top Bottom HUB Lateral dual type Strainer Base : FRP Tripod Filter Media: Activated Carbon best quality and Barakar sand white sand 8/16 support Media, Gravels & Pebbles. Aeration Valve : Provided for air purging Max Operating Pressure : 10 Kg/ Sq.cm Installation & Service: As per OEM	1	Job	180000.00	180000.00
12	Supply,installation,Testing & commissioning of 3 phases monoblock Pump having Flow Rate : 8 M3/hr, 3.0 HP / 2900 RPM, approx 35 m Head with mechanical seal , CI Casting and Impeller, Carbon Steel Shaft connected to a TEFC Induction Motor of suitable rating to operate on 415V,3 pH, 50Hz. AC supply complete with vibration isolator, common MS base frame, foundation, IP 44 protection, insulaion class B i/c DOL starter suitable for 3 HP capacity pump with all accessories complete as required.	2	Nos	50000.00	100000.00
13	Provision of Interconnecting pipelining work of sizes of 50 mm dia of B-Class GI pipe in SUCTION and DISCHARGE Line of Pump Set alongwith accessories like Tee, union, flanges, bend, socket, nipple etc. complete as per site requirements.	50	Mtr	500.00	25000.00
14	Supply of following media:				
a)	Soda Ash (64Kg X 4 years)	256	Kg	70.00	17920.00
b)	Chlorine (100 LitreX 4 Years)	400	Litre	50.00	20000.00
	SH-II : AMC WORKS AT COLONY SITE				
15	Annual Maintenance Contract of Iron removal water Plant consisting of PFOC, IRF, ACF, Chlorine Dozer, Soda Ash Doser, Motor pump etc. by deploying of manpower for carrying out Monthly Preventive Maintenance, Attending Unlimited breakdown call, repairing of leakages, backwash, maintaining maintenance record/report, data compilation, Conducting of both Raw and Treated water quality test from Govt. Laboratories/Approved labs once in every month, replacing the damaged parts like Valves, Guage, Pipe Lines and other minor part and carrying out Quaterly/Semi-Annually/Annual maintenance of all installed units related to Iron removal Plant, safe disposal of spent media, back wash waste water. The Annual Comprehensive maintenance contract shall start after the completion of DLP of 1 year.				

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[Handwritten Initials]

Description of Work / Item(s)	Qty	Units	Rate	Amount
For 1st year	1	Annum	144000.00	144000.00
For 2nd Year (including Change of Filter media)	1	Annum	144000.00	144000.00
For 3rd Year	1	Annum	144000.00	144000.00
Total Amount				2348280.00
Say Rs.				2348280.00

(Rupees Twenty Three Lakhs Forty Eight Thousand Two Hundred and Eighty Only)


Dy. GM (Engg-E)
AAI, RHQ, NER, Guwahati

Signature Not Verified

Digitally signed by KEISHING HONPAM
Date: 2020.03.18 05:12:41 IST
Location: eProcurement System for
Central PSUs