



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

संदर्भ सं. भाविप्रा/बीओ/उप.महा.प्र.(ईजी-विधुत)/AMC-I Ops Area/डब्ल्यू-06/2020-2021/ 389
Ref. No.: AAI/BO/DGM(E-E)/ AMC-I Ops Area /W-06/2020-2021/ 389

दिनांक: 10.12.2020
DATE: 10.12.2020

By E-mail

सेवा में,
मेसर्स अभिषेक एसोशिएट,
8, पारुल नगर शॉपिंग सेंटर,
भूयंगदेव क्रॉस रोड,
सोला रोड, घाटलोडिया,
अहमदाबाद - 380061

To,
M/s. Abhishek Associates,
8, Parul Nagar Shopping Centre,
Bhyangdev Cross Road,
Sola Road, Ghatlodiya,
Ahmedabad -380061.

कार्य का नाम : " वडोदरा हवाई अड्डे पर नये सर्विस ब्लॉक, ऑपरेशनल एरिया एवं कॉलोनी के इलेक्ट्रिकल और मैकेनिकल प्रतिष्ठान का संचालन और रखरखाव का ठेका (2 वर्ष के लिए) (2020-21 और 2021-22) ".

Name of Work : "Operation and Maintenance Contract of Electrical & Mechanical Installations at New Service Block, Operational area & Colony at Vadodara Airport, Vadodara (for 2 year) (Yr 2020-21 & 2021-22)."

Tender ID :- 2020_AAI_60631_1

महोदय,

1. कृपया उपरोक्त टेंडर आई.डी. से संबंधित आपके टेंडर का अवलोकन करें।

1. Kindly refer your tender submission i.r.o above tender I.D.

2. उपरोक्त उल्लिखित कार्य हेतु आपका टेंडर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है। आपके द्वारा बताए आइटम मूल्यों पर आपका टेंडर कुल रु. 1,71,88,790/- (रुपये एक करोड़ इकहत्तर लाख अठ्ठासी हजार सात सौ नब्बे मात्र) (जी.एस.टी रहित) है, जो कि टेंडरकी अनुमानित राशि / न्योचित राशि रु. 1,96,97,677/- (जी.एस.टी रहित) से 12.74% कम है। वास्तविक के अनुसार GST का भुगतान किया जाएगा। भारतीय विमानपत्तन प्राधिकरण का गुजरात राज्य के लिए GST संख्या : 24AAACA6412D1ZE है।

2. Your Tender for the above work mentioned above is hereby accepted on behalf of the chairman, Airports Authority of India at the item rates quoted by you totaling to **Rs. 1,71,88,790/-** (Rupees One Crore Sevnety One Lakh Eighty Eight Thousand Seven Hundread Ninety only) (Excluding GST), which is 12.74% below than the estimated cost / Justified cost **Rs. 1,96,97,677 /-** (Excluding GST). GST shall be paid as per actual. The GST No.of Airports Authority of India for Gujrarat state is **24AAACA6412D1ZE**.

3. उपमहाप्रबंधक (अभि-विधुत), भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट, वडोदरा कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है कि अपनी ओर से एक विश्वसनीय प्रतिनिधि नियुक्त करें जो करारनामे पर हस्ताक्षर करने तथा उसे पूरा करने के लिए दिनांक 25.12.2020 तक उपमहाप्रबंधक (अभि-विधुत) भारतीय

Cont page:- 2/-

नागर विमानक्षेत्र वडोदरा /Civil Aerodrome, Vadodara

दूरभाष/Phone: 0265-2485356 , फैंक्स/Fax:0265-2464249 ई-मेल/E-Mail: apdvadodara@aai.aero



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

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विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट, वडोदरा के कार्यालय में उपस्थित हो। ठेके का करारनामा ₹.100/-के नॉनजुडिशियल स्टैम्प पेपर पर निष्पादित किया जाएगा, तथा स्टैम्प पेपर का खर्च आपके द्वारा उठाया जायेगा।

3. Dy.Gen. Manager (Engg-E), Airports Authority of India, Vadodara Airport, Vadodara 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 the Dy.Gen. Manager (Engg-E), Airports Authority of India, Vadodara Airport, Vadodara by 25.12.2020 to sign and complete the contract 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.
4. कृपया इस पत्र के जारी होने के 15 दिनों के भीतर निविदा की सामान्य शर्तों पृष्ठ संख्या GCC-129 के Schedule -E, para (iii) के अनुसार सिक्युरिटी डिपॉजिट के लिए राशि **₹. 17,18,879 /-** (सत्रह लाख अठारह हजार आठ सौ उनासी मात्र) केवल जमा कर दे, अन्यथा निविदा के पृष्ठ जीसीसी - 129 पर दी शर्त Schedule -E, para (iii) के अनुसार इतनी ही राशि आपके रनिंग बिलो से काट ली जाएगी।
4. Please deposit **Rs.17,18,879 /-(Rupees Seventeen lakh Eighteen Thousand Eight Hundred Seventy Nine only)** towards security deposit as per Schedule -E para (iii) on page GCC-129 of tender document within 15 days from the date of issue of this letter, failing which the same will be deducted from your running bill as per clause Schedule -E, para (iii) on page GCC - 129 of the tender document.
5. आपसे निवेदन है कि आप केन्द्रीय और राज्य सरकारों के 1970 के अधिनियम अनुबंध श्रम नियम तथा उन्मूलन तथा 1971 के कन्द्रीय नियम तथा उन्मूलन एवं न्यूनतम वेतन अधिनियम और नियम के प्रावधानों का अनुपालन करें।
5. You are requested to comply with the provision of contract labour (Regulation and abolition) Act of 1970 and contract labour (Regulation and abolition) Central rules 1971 and minimum wages Act & rules thereof central and state Governments.
6. आपको निर्देश दिया जाता है कि आप तुरंत सहायक महाप्रबंधक (अभि-विधुत), भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट, वडोदरा से संपर्क करें, जोकि आपको साइट सोपने कि व्यवस्था करेंगे। कृपया नोट करले कि काम करने का अनुमत समय **24 (चोबीस महीने)** है। जोकि तारीख **01.01.2021** के दिन से गिना जाएगा।
6. You are also directed to contact AGM (Engg-E), Airports Authority of India, Vadodara Airport, Vadodara 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 the **01.01.2021**.
7. ठेकेदार द्वारा किसी सुरक्षा विनियमों का उलंघन करते पाये जाने पर उसे ब्लैक लिस्टेड कर दिया जाएगा और अन्य कानूनी कार्यवाही की जाएगी।
7. If Contractor is found to violate any of security regulations, he shall be black listed and will be subjected to other legal proceedings.

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नागर विमानक्षेत्र वडोदरा /Civil Aerodrome, Vadodara

दूरभाष/Phone: 0265-2485356 , फैक्स/Fax:0265-2464249 ई-मेल/E-Mail: apdvadodara@aai.aero



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8. इस ठेके के संबंध में आगे का कोई भी पत्राचार उपमहाप्रबंधक (ईजी-विधुत), भाविप्रा, वडोदरा एयरपोर्ट, वडोदरा - 390022 के पते पर किया जाए।
8. Any further correspondences in connection with the contract should normally be addressed to the Dy. Gen. Manager (Engg-E), AAI, Vadodara Airport, Vadodara -390022.
9. उपरोक्त कार्य के लिए त्रुटि दायित्व की अवधि संविदा खण्ड के पृष्ठ **GCC-133 Schedule - F** के **Clause- 17** के अनुसार 03 माह होगी जो कार्य के प्रमाणित समाप्ति के दिन से गिनी जाएगी।
9. The defects liability period for the above-mentioned work shall be as per **Schedule – F, Clause 17** of Page No. GCC-133, i.e Defect Liability period will be 03 months from the certified date of completion of work.
10. उपरोक्त हिन्दी एवं अंग्रेजी के पाठ्य में मतभेद होने पर अंग्रेजी लिपि में लिखित पाठ्य मान्य होगा।
10. In case of discrepancy in Hindi and English text then English text will be taken as correct.
11. कृपया पावती भेजे।
11. Please acknowledge the receipts.

धन्यवाद / Thanking you,

संलग्नक: Schedule of Quantity

भवदीप / Yours Faithfully,


10/12/2020

(आर. बी. एस. कुशवाहा)

(R.B S Kushwaha)

उपमहाप्रबंधक (अभि.-विधुत)

Dy. General Manager (Engg-E)

कृते तथा ओर से अध्यक्ष

For and on behalf of chairman,

भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट.

Airports Authority of India, Vadodara Airport.

नागर विमानक्षेत्र वडोदरा / Civil Aerodrome, Vadodara

दूरभाष/Phone: 0265-2485356 , फैक्स/Fax: 0265-2464249 ई-मेल/E-Mail: apdvadodara@aai.aero

SCHEDULE OF QUANTITY

Name of Work : Operation and Maintenance Contract of Electrical & Mechanical Installations at New Service Block, Operational area & Colony at Vadodara Airport, Vadodara (for 2 year) (Yr 2020-21 & 2021-22).

Tender ID: 2020_AAI_60631_1

Sr. no	Description of work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1	Annual Preventive Maintenance, Repair and Operations of Electrical & Mechanical Installations at New Power House, All operational area, CISF Barrack & Residential colony by attending complaints / faults / breakdown & ensuring serviceability, satisfactory working condition of all the systems, up keeping all records as per preventive maintenance schedule etc. by providing the adequate & suitable man power with tools & tackles in shifts as mentioned in the special conditions of contract complete as required on all days including sundays & holidays.	Months	24	586666.00	14079984.00
2.01	Provision of additional man hour required for operations due to delay in flight, emergency, major maintenance works. Beyond the scope of item no. 1 on daily basis. a) Hi-Skilled	Hours	100	97.13	9713.00
2.02	Provision of additional man hour required for operations due to delay in flight, emergency, major maintenance works. Beyond the scope of item no. 1 on daily basis. b) Skilled	Hours	100	88.38	8838.00
2.03	Provision of additional man hour required for operations due to delay in flight, emergency, major maintenance works. Beyond the scope of item no. 1 on daily basis. c) Semi-Skilled	Hours	100	75.38	7538.00
2.04	Provision of additional man hour required for operations due to delay in flight, emergency, major maintenance works. Beyond the scope of item no. 1 on daily basis. d) Un-skilled	Hours	100	66.75	6675.00

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Sr. no	Description of work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
3	Inspection, servicing and testing of 3 Pole, 630A, 18.4 KA, 11KV, HT Vacuum circuit Breakers (1 No. Incoming + 04 Nos. Outgoing) (Make: Kirloskar Electric Co.Ltd.) installed at New power house at Vadodara Airport including carrying out the following tests & preventive maintenance alongwith submission of the test reports from the authorised service dealer of Kirloskar / L&T / Simens / Areva / Jyoti complete as per site requirement. (a) General inspection (b) Wiring check including control circuit and indications (c) IR test between poles to poles, between poles to earth in closed condition and between pole to pole in open condition. (d) Continuity of power contacts. (e) Continuity of auxiliary contacts (f) Resistance measurement of tripping coil (g) Closing, tripping and inter- locking testing (h) Tripping through relay operation (i) Inspection, Servicing and testing of CT & PT	Job	2	44000.00	88000.00
4	Inspection, Servicing and Testing of Schnider Make, MICOM P111-L Microprocessor based 3 O/C +1 E/F with IDMT, INST Characteristics & RS485 PORT relay Installed at HT Panel of new power house at Vadodara Airport from ERDA including carrying out the following and submitting test reports complete as per the site requirement. (a) General inspection (b) Wiring check (c) IR value test (d) Continuity of plug shifting taps and plug bridge shorting contacts (e) Secondary injection test including pick up current of IDMT element etc.	Set	10	3900.00	39000.00
5	Inspection, Servicing and Testing of Schnider Make - Micom P127 Multifunction, CTR/5A, Aux Supply 24V DC (Under & Over frequency, restricted earth fault, trip ckt supervision, U/C, Reverse power relay) for LT Panel of New Power house at Vadodara Airport from ERDA including carrying out the following and submitting test reports complete as per the site requirement. (a) General inspection (b) Wiring check (c) IR value test (d) Continuity of plug shifting taps and plug bridge shorting contacts (e) Secondary injection test including pick up current of IDMT element etc.	Set	10	6500.00	65000.00

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Sr. no	Description of work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
6	Inspection, servicing and Testing of auxiliary and tripping relays (Type-VAA/VAX/VAJ/VAJH) at New power house (HT/LT/DG Syn.Panel) at Vadodara Airport from ERDA including carrying out the following and submitting test reports complete as per the site requirement . (a) General inspection (b) Wiring check (c) IR value test (d) Tripping check	Job	34	2340.00	79560.00
7	Inspection, Servicing and Testing of instantaneous Earth fault relay (Type- CAG) LT Panel of New Power House at Vadodara Airport from ERDA including carrying out the following and submitting test reports complete as per the site requirement . (a) General inspection (b) Wiring check (c) IR value test (d) Tripping check	Job	8	9360.00	74880.00
8	Inspection, Servicing and Testing of IDMT Relays (set of 2 over current plus 1 earth fault) old power house LT Panel at Vadodara Airport from ERDA including carrying out the following and submitting test reports complete as per the site requirement . (a) General inspection (b) Wiring check (c) IR value test (d) Tripping check	Set	4	7020.00	28080.00
9	Inspection, Servicing and Testing of IDMT Relays (set of 2 over current plus 1 earth fault) old power house LT Panel at Vadodara Airport from ERDA including carrying out the following and submitting test reports complete as per the site requirement . (a) General inspection (b) Wiring check (c) IR value test (d) Tripping check	Set	4	6500.00	26000.00

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Sr. no	Description of work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
10	Inspection, Servicing & Testing of LT Air circuit breakers (2500/2000 /1250 Amp/ 1000 Amp./ 800 Amp) at New Power House and Old Power House at Vadodara Airport from authorized service dealer of L&T including carrying out the following and submitting test reports complete as per the site requirement. (a) General inspection (b) Wiring cheking including control and indications (c) IR test between poles to poles and poles to earth. (d) Continuity of power contacts. (e) Continuity of auxiliary contacts (f) Resistance measurement of tripping coil (g) Closing, tripping and inter- locking testing (h) Tripping through relay operation (i) Secondary injection test of In-bult thermal and magnetic release and calibration of the same.	Job	76	2500.00	190000.00
11	Dehydration and filtration of transformer oil at AAI site includnig testing the BDV and acidity before and after testing and submission of test reports etc. as required for following Transformses. a) 1500 KVA Transformer (Make: Alstom / Kirloskar)	Job	6	5000.00	30000.00
12	Supply and topping of transformer oil complete as per the site requirement.	Liter	100	90.00	9000.00
13	Annual Servicing i.e healthcheckup of CCR of 4KW to 30 KW capacity of NASU make by OEM.The scope of item includes inspection of all lthe parts of CCR, servicing , checking of wiring for healthiness etc. and submission of test reports complete as per site requirement.	Job	18	5500.00	99000.00
14.01	Rewinding of the following Fans & Pumps with copper wire of required size including alignment, bearing, less for dismentled copper wire, etc. complete as reqd. a)Celling Fans 48"/56", 230V	Each	100	450.00	45000.00
14.02	Rewinding of the following Fans & Pumps with copper wire of required size including alignment, bearing, less for dismentled copper wire, etc. complete as reqd. b)Wall fans 100W, 230volt	Each	50	475.00	23750.00
14.03	Rewinding of the following Fans & Pumps with copper wire of required size including alignment, bearing, less for dismentled copper wire, etc. complete as reqd. c)Exhaust Fans/ Air cooler	Each	30	350.00	10500.00
14.04	Rewinding of the following Fans & Pumps with copper wire of required size including alignment, bearing, less for dismentled copper wire, etc. complete as reqd. d)2HP Horizontal submersible Pump Motor	Each	6	1200.00	7200.00

ASG

Sr. no	Description of work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
14.05	Rewinding of the following Fans & Pumps with copper wire of required size including alignment, bearing, less for dismantled copper wire, etc. complete as reqd. e) 3HP submersible Pump Motor	Each	6	1500.00	9000.00
14.06	Rewinding of the following Fans & Pumps with copper wire of required size including alignment, bearing, less for dismantled copper wire, etc. complete as reqd. f) 5HP Horizontal Submersible Pump Motor	Each	10	2000.00	20000.00
14.07	Rewinding of the following Fans & Pumps with copper wire of required size including alignment, bearing, less for dismantled copper wire, etc. complete as reqd. g) 7.5HP Horizontal Submersible Pump Motor	Each	6	2500.00	15000.00
14.08	Rewinding of the following Fans & Pumps with copper wire of required size including alignment, bearing, less for dismantled copper wire, etc. complete as reqd. h) 10HP Horizontal Submersible Pump Motor	Each	6	3000.00	18000.00
14.09	Rewinding of the following Fans & Pumps with copper wire of required size including alignment, bearing, less for dismantled copper wire, etc. complete as reqd. i) 0.5 HP Borewell/Openwell submersible Pump Motor	Each	6	1500.00	9000.00
14.1	Rewinding of the following Fans & Pumps with copper wire of required size including alignment, bearing, less for dismantled copper wire, etc. complete as reqd. j) Siron Motor / Grass cutting motor (Upto 2.5 HP)	Each	6	2000.00	12000.00
15.01	Painting of following poles in 2 coats by using Aluminium paint of approved make (Asian / Berger) including pole boxes, cleaning of surface etc., as required including rewriting the identification SI.No. a) 50 mm GI pipe pole of length not exceeding 3 Mt.	Each	20	85.00	1700.00
15.02	Painting of following poles in 2 coats by using Aluminium paint of approved make (Asian / Berger) including pole boxes, cleaning of surface etc., as required including rewriting the identification SI.No b) Tubular street light poles of length not exceeding 10 Mt.	Each	248	300.00	74400.00
15.03	Painting of following poles in 2 coats by using Aluminium paint of approved make (Asian / Berger) including pole boxes, cleaning of surface etc., as required including rewriting the identification SI.No c) Lattice type flood light mast of length not exceeding 10 Mt.	Each	16	2000.00	32000.00
15.04	Painting of following poles in 2 coats by using Aluminium paint of approved make (Asian / Berger) including pole boxes, cleaning of surface etc., as required including rewriting the identification SI.No d) Perimeter lighting pole 75mm dia up to 3Mt.	Each	124	120.00	14880.00
15.05	Painting of following poles in 2 coats by using Aluminium paint of approved make (Asian / Berger) including pole boxes, cleaning of surface etc., as required including rewriting the identification SI.No e) Perimeter lighting pole 75mm dia up to 6Mt.	Each	606	185.00	112110.00

Sr. no	Description of work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
16.01	Painting of GLF fitting including base plate in installation position with two coats of synthetic enamel paint of yellow colour of make (Asian / Burzer) to given an even shade including cleaning the surface with detergent etc, as required. a) H - indicator	Each	2	1700.00	3400.00
16.02	Painting of GLF fitting including base plate in installation position with two coats of synthetic enamel paint of yellow colour of make (Asian / Burzer) to given an even shade including cleaning the surface with detergent etc, as required. b)PAPI Units.	Each	16	325.00	5200.00
17	Spray Painting of sheet metal enclosures of electrical panels inside the power house, Pump room & ATC building & terminal building including cleaning the surface and one coats of grey or any other colour of make (Asian / Berger) including rewriting the identification the circuit, Protecting and covering the electrical accessories during painting and removing after work is over etc., as reqd.	Square Meter	200	150.00	30000.00
18	Painting of sheet metal enclosures of electrical equipments such as feeder pillars, distribution boards, electrical panel, frame etc. including cleaning the surface and two coats of grey or any other colour of make (Asian / Berger) including rewriting the identification the circuit, Protecting and covering the electrical accessories during painting and removing after work is over etc., as reqd.	Square Meter	200	150.00	30000.00
19.01	Calibration of following instruments from NABL approved lab including minor repair etc. complete including submission of test certificate as required. a) 500/1000/5000 Volts insulation testing meggar	Job	2	720.00	1440.00
19.02	Calibration of following instruments from NABL approved lab including minor repair etc. complete including submission of test certificate as required. b) Multi-meter	Job	2	1440.00	2880.00
19.03	Calibration of following instruments from NABL approved lab including minor repair etc. complete including submission of test certificate as required. c)Clip on meter (Clamp tester)	Job	2	900.00	1800.00
19.04	Calibration of following instruments from NABL approved lab including minor repair etc. complete including submission of test certificate as required. d) Micro meter (0-25mm)	Job	2	280.00	560.00
19.05	Calibration of following instruments from NABL approved lab including minor repair etc. complete including submission of test certificate as required. e) Micro meter(25-50mm)	Job	2	340.00	680.00
19.06	Calibration of following instruments from NABL approved lab including minor repair etc. complete including submission of test certificate as required. f) Vernier caliper	Job	2	280.00	560.00

Sr. no	Description of work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
20	Provision / Hiring of one number Vehicle (Mahendra imperio, Double cabin / Isuzu-D-Max / TATA Yodha, Double cabin) with Driver on 16 hours basis on all days including all other expenditure i.e cost of fuel, insurance, vehicle maintenance etc.as per details provided in special conditions, complete as per site requirement.	Month	24	57888.00	1389312.00
21.01	Repair and Maintenance of High Mast Tower of different Height job includes Winch repairing, Winch replacement, Wire rope changing, motor alignment, cable changing, oiling etc as required (Material will be provided by AAI). a) High Mast Tower of length not exceeding 14 Mtr.	Each	6	8000.00	48000.00
21.02	Repair and Maintenance of High Mast Tower of different Height job includes Winch repairing, Winch replacement, Wire rope changing, motor alignment, cable changing, oiling etc as required (Material will be provided by AAI). b) High Mast Tower of length not exceeding 18 Mtr.	Each	3	10000.00	30000.00
21.03	Repair and Maintenance of High Mast Tower of different Height job includes Winch repairing, Winch replacement, Wire rope changing, motor alignment, cable changing, oiling etc as required (Material will be provided by AAI). c) High Mast Tower of length not exceeding 10 Mtr.	Each	3	8000.00	24000.00
22.01	Supply of spare for repairing of High mast a) Wire rope	Meter	75	140.00	10500.00
22.02	Supply of spare for repairing of High mast. b) Oil (Gear oil)	Liter	30	280.00	8400.00
22.03	Supply of spare for repairing of High mast. c) 5 Core x 4 sqmm Annealed tinned Copper flexible trailing cable, with Heat Resisting elastomer compound Type (Ethylene propylene rubber).	Meter	100	450.00	45000.00
23	Supply of 3 Phase, 25KVAR Capacitor, (Model No. Neptune Ducati -DUCA Power -XD) or equivalent.(As an when required)	Nos	15	3750.00	56250.00
24	Execution / carryout the work for items covered / listed in CPWD Scheduled of rates (Electrical)- 2018 published by CPWD as per CPWD specifications for an amount of Rs.3,00,000/- [Excluding GST] as required. (Agency has to execute schedule item listed in CPWD S/R(Electrical) 2018 as and when required by AAI.	Job	1	255000.00	255000.00
TOTAL					17188790.00


10/12/2020
(R.B.S.Kushwaha)
DGM(E-E)
AAI,CA,Vadodara