

संदर्भ सं. भाविप्रा/बीओ/उप.महा.प्र.(ईजी-विधुत)/Service Block/डब्ल्यू-20/2022-23 /533
Ref. No.: AAI/BO/DGM(E-E)/Service Block/W-20/2022-23

दिनांक : 25.02.2023
DATE : 25.02.2023

By Speed Post / E-mail

सेवा में,
मेसर्स भारत इलेक्ट्रिक
113, सिंधी कॉलोनी,
गुरु संगत दरबार के पास, खामला,
नागपुर - 4440025

To,
M/s. Bharat Electric
113, Sindhi Colony,
Nr. Gurusangat Darbar, Khamla,
Nagpur-4440025

कार्य का नाम : वडोदरा हवाई अड्डे पर न्यू सर्विस ब्लॉक, सीआईएसएफ बैरक और आवासीय कॉलोनी के इलेक्ट्रिकल और यांत्रिक प्रतिस्थानों का संचालन और रखरखाव अनुबंध (2 वर्ष की अवधि के लिए) (वर्ष 2023 और 2024)।

Name of work :- Operation & Maintenance Contract of Electrical & Mechanical Installations at New Service Block, CISF Barrack & Residential Colony at Vadodara Airport (For 2 Year period)(Yr. 2023 & 2024)

संदर्भ : दिनांक : 11.01.2023 को खोली गई निविदा आईडी : 2022_AAI_136614_1

महोदय,

- 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.
- 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. **1,32,52,000/-** (रुपये एक करोड़ बत्तीस लाख बावन हजार मात्र) (जी.एस.टी रहित) है, जो कि टेंडरकी अनुमानित / न्योचित राशि रु.**1,58,91,000/-** (जी.एस.टी रहित) से 16.61 % कम है। वास्तविक के अनुसार GST का भुगतान किया जाएगा। भारतीय विमानपत्तन प्राधिकरण का गुजरात राज्य के लिए GST संख्या : **24AAACA6412D1ZE** है।
- Your Tender for the 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. 1,32,52,000/- (Rupees One Crore Thirty Two Lakh Fifty Two Thousand only) (Excluding GST)**, which is **16.61 % below** than the estimated / Justified cost **Rs.1,58,91,000/- (Excluding GST)**. **GST shall be paid as per actual.** The GST No.of Airports Authority of India for Gujrarat state is 24AAACA6412D1ZE.
- 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 **31.03.2023** तक उपमहाप्रबंधक (अभि-विधुत) भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट, वडोदरा के कार्यालय में उपस्थित हो। ठेके का करारनामा ₹ 100/- के नॉनजुडीशियल स्टैम्प पेपर पर निष्पादित किया जाएगा, तथा स्टैम्प पेपर का खर्च आपके द्वारा उठाया जायेगा।



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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 attend the office of the Dy.Gen. Manager (Engg-E), Airports Authority of India, Vadodara Airport, Vadodara by **31.03.2023** to sign and complete the contract agreement. The contract agreement shall be executed on a non - judicial stamp paper of value ₹ 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 सिक्योरिटी डिपॉजिट के लिए राशि ₹ 13,25,200/- (रुपये तेरह लाख पच्चीस हजार दो सौ मात्र) केवल जमा कर दे, अन्यथा इतनी ही राशि आपके रनिंग बिलों से काट ली जाएगी।
4. Please deposit ₹ **13,25,200/- (Rupee Thirteen Lakh Twenty Five Thousand Two Hundred 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.
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 **02 वर्ष (दो साल)** है जोकि दिनांक **16.03.2023** 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 **02 Years (Two Years)** which shall be reckoned from the **date 16.03.2023**.
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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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 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 03 months from the certified date of completion 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.

संलग्नक: Schedule of Quantity & Form-III

धन्यवाद / Thanking you,

भवदीप / Yours Faithfully,

—Sd—

(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.

प्रतिलिपि/ Copy To : (NOO)

1. महाप्रबंधक (अभि), भारतीय विमानपत्तन प्राधिकरण, आरएचक्यू, पश्चिम क्षेत्र, इंटेग्रेटेड प्रशासनिक भवन, पारसी वाड़ा के सामने, सहार रोड, विले पार्ले(पूर्व), मुंबई - 400 099.
General Manager (Engg), Airports Authority of India, RHQ, Western Region, Integrated Administrative Building, Opp. Parsiwada, Sahar Road, Vile Parle (E), Mumbai - 400099.
2. संयुक्त महाप्रबंधक(सतकर्ता), भारतीय विमानपत्तन प्राधिकरण, आरएचक्यू, पश्चिम क्षेत्र, इंटेग्रेटेड प्रशासनिक भवन, पारसी वाड़ा के सामने, सहार रोड, विले पार्ले(पूर्व), मुंबई - 400 099.
Jt.Gen.Manager (Vigilance), Airports Authority of India, RHQ, Western Region, Integrated Administrative Building, Opp. Parsiwada, Sahar Road, Vile Parle (E), Mumbai - 400099.



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नागर विमानक्षेत्र वडोदरा /Civil Aerodrome, Vadodara

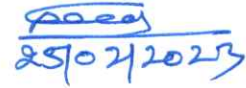
दूरभाष/Phone: 0265-2485356 , फैक्स/Fax:0265-2464249 ई-मेल/E-Mail: apdvadodara@aai.aero

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3. संयुक्त महाप्रबंधक (अभि-विद्युत), भारतीय विमानपत्तन प्राधिकरण, आरएचक्यू, पश्चिम क्षेत्र, इंटीग्रेटेड प्रशासनिक भवन, पारसी वाड़ा के सामने, सहार रोड, विले पार्ले(पूर्व), मुंबई - 400 099.
Jt.Gen.Manager (Engg.-Elect), Airports Authority of India, RHQ, Western Region, Integrated Administrative Building, Opp. Parsiwada, Sahar Road, Vile Parle (E), Mumbai - 400099.
4. क्षेत्रीय श्रम आयुक्त, चंद्रप्रभा फ्लैट नंबर-2, कृष्णा नगर सोसाइटी, मोती बाग पैलेस के सामने, वडोदरा - 390001.
Regional Labour Commissioner, Chandraprabha Flat No.2, Krishna Nagar Society, Opp. Moti Baugh Palace, Vadodara - 390 001.
5. क्षेत्रीय भविष्य निधि आयुक्त, भविष्य निधि भवन, वीएमसी वार्ड -6 कार्यालय के पीछे, अकोटा स्टेडियम रोड, अकोटा, वडोदरा -390020
Regional P.F Commissioner (I), Bhavishyanidhi Bhawan, Behind VMC Ward-6 Office, Akota Stadium Road, Akota, Vadodara - 390020.

आंतरिक विवरण / INTERNAL: (By E-mail)

1. विमानपत्तन निदेशक, भाविप्रा, नागरविमान क्षेत्र, वडोदरा/Airport Director, Airports Authority of India, CA, Vadodara- सूचनार्थ ।
2. सहायक महाप्रबंधक (वित्त) / AGM (Fin), Airports Authority of India, CA, Vadodara.
3. सहायक महाप्रबंधक (अभि-विद्युत)/ AGM(E-E), Airports Authority of India, CA, Vadodara- कार्य निष्पादन हेतु।
4. कार्य फाइल / Work File
5. करारनामा फाइल / Agreement File
6. हिन्दीगार्ड फाइल / Hindi Guard File



(आर. बी एस कुशवाहा)
(R.B S Kushwaha)

उपमहाप्रबंधक (अभि-विद्युत)

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.

SCHEDULE OF QUANTITY

Name of Work :- Operation and Maintenance Contract of Electrical & Mechanical Installations at New Service Block, CISF Barrack & Residential colony at Vadodara Airport.(For 2 year Period) (Yr 2023 & 2024).

Sl.No	Description of Work / Item(s)	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
1	Annual Preventive Maintenance, Repair and Operations of Electrical & Mechanical Installations at New Service block, CISF Barrack & Residential colony and old terminal building 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.	24	Month	480000.00	11520000.00
2.01	Provision of additional man hour required for operations due to any unforeseen situation as delay in flight, breakdown emergency, major maintenance works etc. Beyond the scope of item no. 1 on daily basis. (High-Skilled)	100	Hours	125.00	12500.00
2.02	Provision of additional man hour required for operations due to any unforeseen situation as delay in flight, breakdown emergency, major maintenance works etc. Beyond the scope of item no. 1 on daily basis. (Skilled)	100	Hours	115.00	11500.00
2.03	Provision of additional man hour required for operations due to any unforeseen situation as delay in flight, breakdown emergency, major maintenance works etc. Beyond the scope of item no. 1 on daily basis. (Semi-Skilled)	100	Hours	100.00	10000.00
2.04	Provision of additional man hour required for operations due to any unforeseen situation as delay in flight, breakdown emergency, major maintenance works etc. Beyond the scope of item no. 1 on daily basis. (Un-Skilled)	100	Hours	85.00	8500.00



Sl.No	Description of Work / Item(s)	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
3	Inspection, servicing and testing of 3 Pole, 630A, 18.4 KA, 11KV, HT Vacuum circuit Breakers (1 No. Incoming + 05 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) Insection, servicing and testing of CT & PT	2	Job	10000.00	20000.00
4	Inspection, Servicing and Testing of Schnider Make, MICON 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 NABL/Government approved agency 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.	10	Set	1000.00	10000.00



Sl.No	Description of Work / Item(s)	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
5	Inspection, Servicing and Testing of Siemens Make, SIPROTEC 4 Multifunctional protective relay with local control 7SJ66 Microprocessor based O/L, E/F and S/C with 24 v DC supply IDMT Characteristics Installed at HT Panel of new power house at Vadodara Airport from NABL/Government approved agency 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.	10	Set	1000.00	10000.00
6	Inspection, Servicing and Testing of Schneider 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 NABL/Government approved agency 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.	10	Set	1000.00	10000.00
7	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 NABL/Government approved agency 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	34	Job	1000.00	34000.00

2024

Sl.No	Description of Work / Item(s)	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
8	Inspection, Servicing and Testing of instantaneous Earth fault relay (Type- CAG) LT Panel of New Power House at Vadodara Airport from NABL/Government approved agency 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	8	Job	2500.00	20000.00
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 NABL/Government approved agency 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	4	Set	2000.00	8000.00
10	Inspection, Servicing and Testing of 14 Stage intelligent microprocessor based APFC Relays WITH inbuilt power factor meter installed in 500 KVAR APFC panel at new power house at Vadodara Airport from NABL/Government approved agency 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	4	Set	2000.00	8000.00



Sl.No	Description of Work / Item(s)	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
11	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 checking 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-buit thermal and magnetic release and calibration of the same	76	Job	1000.00	76000.00
12	Dehydration and filtration of transformer oil at AA1 site including testing the BDV and acidity before and after testing and submission of test reports etc. as required for following Transfores.{1500 KVA Transformer (Make: Alstom / Kirloskar) }	6	Job	3000.00	18000.00
13	Supply and topping of transformer oil complete as per the site requirement.	100	Ltr	100.00	10000.00
14.01	Rewinding of the following Fans & Pumps with copper wire of required size including alignment, bearing, less for dismantled copper wire, etc. complete as reqd. (a). Ceiling Fans 36"/48"/56" , 230V	100	Each	300.00	30000.00
14.02	Rewinding of the following Fans & Pumps with copper wire of required size including alignment, bearing, less for dismantled copper wire, etc. complete as reqd. (b). Wall fans 60-100W, 230V	50	Each	300.00	15000.00

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Sl.No	Description of Work / Item(s)	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
14.03	Rewinding of the following Fans & Pumps with copper wire of required size including alignment, bearing, less for dismantled copper wire, etc. complete as reqd. (c).Exhaust Fans/ Air cooler Fans	30	Each	400.00	12000.00
14.04	Rewinding of the following Fans & Pumps with copper wire of required size including alignment, bearing, less for dismantled copper wire, etc. complete as reqd. (d).2HP Horizontal submersible Pump Motor	6	Each	1000.00	6000.00
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	6	Each	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/ Vertical Submersible Pump Motor	10	Each	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	6	Each	2000.00	12000.00
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	6	Each	2500.00	15000.00
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	6	Each	1000.00	6000.00



Sl.No	Description of Work / Item(s)	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
14.10	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)	6	Each	1500.00	9000.00
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 Sl.No. and filling of putty all over the concrete base of the pole which is above the ground than painting with one coat of primer and two coats of weather proof paint of the shade decided by EIC complete as per site requirement.(50 mm GI pipe pole of length not exceeding 3 Mt.)	10	Each	50.00	500.00
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 Sl.No. and filling of putty all over the concrete base of the pole which is above the ground than painting with one coat of primer and two coats of weather proof paint of the shade decided by EIC complete as per site requirement..(Tubular street light poles of length not exceeding 10 Mt.)	125	Each	70.00	8750.00
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 Sl.No. and filling of putty all over the concrete base of the pole which is above the ground than painting with one coat of primer and two coats of weather proof paint of the shade decided by EIC complete as per site requirement..(Lattice type flood light mast of length not exceeding 10 Mt.)	10	Each	500.00	5000.00
16	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.	200	Square Meter	50.00	10000.00

Sl.No	Description of Work / Item(s)	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
17	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.	200	Square Meter	50.00	10000.00
18	Provision / Hiring of one number AC Vehicle (Mahendra imperio, Double cabin / Isuzu-D-Max / TATA Yodha, Double cabin) with Driver (Skilled) for 16 hours basis subject to maximum runs of 2000 Kms in a month or 24000 km per year on all days and 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. Vehicle should not be older than 2021 model registration.	24	Month	40000.00	960000.00
19.01	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 AA1). (High Mast Tower of length not exceeding 14 Mtr.)	6	Each	3000.00	18000.00
19.02	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 AA1). (High Mast Tower of length not exceeding 18 Mtr..)	3	Each	3000.00	9000.00
19.03	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 AA1). (High Mast Tower of length not exceeding 10 Mtr..)	3	Each	3000.00	9000.00
20.01	Supply of spare for repairing of High mast. (a). Wire rope	75	Mtr	50.00	3750.00
20.02	Supply of spare for repairing of High mast. (b). Oil (Gear oil)	30	Ltr	150.00	4500.00

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Sl.No	Description of Work / Item(s)	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
20.03	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).	100	Mtr	175.00	17500.00
21	Supply of 3 Phase, 25KVAR Capacitor, (Model No. Neptune Ducati -DUCA Power - XD) or equivalent.(As an when required)	15	Nos	2000.00	30000.00
22.01	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	2	Job	1000.00	2000.00
22.02	Calibration of following instruments from NABL approved lab including minor repair etc. complete including submission of test certificate as required. (b). Multi-meter	2	Job	1000.00	2000.00
22.03	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)	2	Job	1000.00	2000.00
22.04	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)	2	Job	1000.00	2000.00
22.05	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)	2	Job	1000.00	2000.00
22.06	Calibration of following instruments from NABL approved lab including minor repair etc. complete including submission of test certificate as required. (f). Vernier caliper	2	Job	1000.00	2000.00
23.01	Supply of following components in the existing HT/LT Panel boards including connections, returning of dismantled items to AAI store, setting / programming of meters etc complete as required. a) Supply of LED type indication lamps of 24V DC/AC (Red/ Green/ Amber/Yellow / Clear) suitable for existing HT panels as per requirement.	100	Each	100.00	10000.00



Sl.No	Description of Work / Item(s)	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
23.02	Supply of following components in the existing HT/LT Panel boards including connections, returning of dismantled items to AAI store, setting / programming of meters etc complete as required. b) Supply of LED type indication lamps of 24V DC/AC (Blue / White) suitable for existing HT panels as per requirement.	50	Each	100.00	5000.00
23.03	Supply of following components in the existing HT/LT Panel boards including connections, returning of dismantled items to AAI store, setting / programming of meters etc complete as required. c) Supply of LED type indication lamps of 24V DC/AC (Red/ Green/ Amber/Yellow/Clear) suitable for existing LT panels as per requirement.	100	Each	100.00	10000.00
23.04	Supply of following components in the existing HT/LT Panel boards including connections, returning of dismantled items to AAI store, setting / programming of meters etc complete as required. d) Supply of LED type indication lamps of 24V DC/AC (White/Blue) suitable for existing LT panels as per requirement.	50	Each	100.00	5000.00
23.05	Supply of following components in the existing HT/LT Panel boards including connections, returning of dismantled items to AAI store, setting / programming of meters etc complete as required. e) Supply of LED push button type indication lamps of 230 V (Red/ Green/ Amber/Yellow/ White/ Clear/Blue) suitable for existing APFC panel as per requirement.	5	Each	100.00	500.00
24	Supply of Digital flush type Multi Function Meter (V, A, PF, kW, kWh) with RS485, Class 0.5 accuracy (Make :- Schneider, Model no :- EM6400NG+ or its equivalent) as per requirement.	3	Each	1000.00	3000.00
25	Supply of Digital flush type Multi Function Meter (V, A, PF, kW, kWh) with RS485, Class 0.5 accuracy (Make :- SECURE, Model no :- ELITE 440-443 or its equivalent) as per requirement.	5	Each	1000.00	5000.00
26	Supply of 3 phase Digital Ammeter with inbuilt selector switch, Class 1.0 accuracy. (Make :- Schneider, Model no :- CONZERV DM3110 or its equivalent) as per requirement.	5	Each	1000.00	5000.00

Sl.No	Description of Work / Item(s)	Qty	Unit	Rate (In Rs.)	Amount (In Rs.)
27	Supply of 3 phase Digital Voltmeter with inbuilt selector switch, Class 1.0 accuracy (Make :- Schneider, Model no :- CONZERV DM3210or its equivalent) as per requirement.	5	Each	1000.00	5000.00
28	Supply of Rotary handle of MCCBs of 160A-250A capacity of all makes (Direct) suitable for use in existing LT panels as per requirement.	5	Each	500.00	2500.00
29	Supply of Rotary handle of MCCBs of 315A-400A capacity of all makes (Direct) suitable for use in existing LT panels as per requirement.	5	Each	500.00	2500.00
30	Execution / carryout the work for items covered / listed in Delhi Scheduled of rates (DSR E&M-2022) published by CPWD as per CPWD specifications for an amount of Rs.3,00,000/- [Excluding GST] as required. <u>(Agency has to execute schedule item listed in CPWD DSR E&M-2022 as and when required by AAI.</u>	1	Job	180000.00	180000.00
	TOTAL				13252000.00

(Rupees One Crore Thirty Two Lakh Fifty Two Thousand Only)

Note :- GST shall be paid as per actual.

(R.B.S.Kushwaha)
DGM(E-E)
AAI,CA,Vadodara

25/02/2023

Signature Not Verified

Digitally signed by RAVINDER SINGH MEHROK

Date: 2023.04.01 11:05:51 IST

Location: eProcurement System for Central PSUs