



सेवा में/ To,

मेसर्स चेन्नई के इंजीनियर/ M/s. Chennai Engineers,
प्लॉट नंबर 30, दरवाजा नंबर 1-536/ Plot No 30, Door No.1-536,
कृष्णा नगर 1st स्ट्रीट/ Krishna Nagar 1st Street,
मनपक्कम, चेन्नई/ Manapakkam, Chennai.
चेन्नई/ Chennai – 600 125.

विषय/ Subject:-" एआरएमओ 2019-20, SH: पंपों की विविध मरम्मत और सेवाएँ, हबबॉलि
एयरपोर्ट पर दिन के पुर्जों की पेंटिंग और आपूर्ति / ARMO 2019-20, SH: Miscellaneous repair
and services of Pumps sets, Painting and supply of day to day spares at Hubballi Airport.

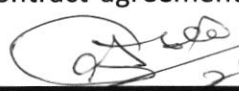
Ref:- Tender ID :2020_AAI_39506_1

महोदय/ Dear Sir,

1. उपर उल्लेखित कार्य के लिए आपका प्रस्ताव, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से बातचीत के पश्चात, आइटम दरों में आपके द्वारा उद्धृतकुल **₹.13,71,326.00/-** प्लस लागू जीएसटी के साथ एतद्वारा स्वीकार किया जाता है/ On behalf of the Chairman, Airports Authority of India, I hereby accept your offer for the work mentioned above at the item rates quoted by you **Rs.13,71,326.00 (Rupees Thirteen Lakhs Seventy One Thousand Three Hundred and Twenty Six Only) Plus applicable GST.**

2. सहायक महाप्रबंधक (ई-इंजीनियरिंग), एएआई, हुबबल्ली हवाई अड्डे के कार्य के प्रभारी इंजीनियर होंगे। आपसे अनुरोध है कि आप इस पत्र के जारी होने की तारीख से 10 दिनों के भीतर के कार्यालय में अनुबंध पर हस्ताक्षर करने और पूरा करने के लिए महाप्रबंधक (ई-इंजीनियरिंग), एएआई, हुबबल्ली हवाई अड्डा, हुबबल्ली में उपस्थित हो। अनुबंध समझौते को ₹.100.00 के गैरपर निष्पादित किया (केवल एक सौ रुपये) न्यायिक स्टाम्प पेपर-जाएगा और स्टॉप पेपर की लागत आपके द्वारा वहन की जाएगी।/

Assistant General Manager (Engg-E), AAI, Hubballi Airport shall be the Engineer-in-Charge for the work. You are requested to attend the office of Asst. General Manager (Engg-E), AAI, Hubballi Airport, Hubballi, within 10 days from the date of issue of this letter to sign and complete the contract agreement. The contract agreement shall be


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executed on a non-judicial stamp paper of value Rs.100.00 (Rupees One Hundred only) and the cost of the stamp paper shall be borne by you.

3. आपको संलग्न अनुसूची -'ए' के अनुसार कार्य करने हेतु निर्देशित किया जाता है कार्य का निष्पादन विशेष नियमों और शर्तों के अनुसार किए जायेगा, जो की इस पत्र के साथ संलग्न है। / You are directed to start the work at once as per Annexure-A attached. The work shall be executed as per terms and conditions mentioned as per the Special Term and Condition of the Contract enclosed herewith.
4. अनुबंध की अवधि 6 महीने की है जो दिनांक 01.03.2020 से 31.08.2020 तक मान्य होगी। / Period of completion of the work is 6 Months which shall be reckoned from 01.03.2020 to 31.08.2020.
5. कार्य प्रभारी अभियंता के निर्देशानुसार निष्पादित किया जाएगा और जो महा प्रबंधक (इंजी -वि) द्वारा चरणों में अनुमोदित किया जाएगा। प्रभारी अभियंता द्वारा अस्वीकृत सामग्री का उपयोग कार्य निष्पादित करने में नहीं किया जाएगा। / The work shall be executed as per the direction of Engineer-In-Charge with up to date correction slip and shall be approved in stages by the AGM (Engg-E), who will be the Engineer-In-Charge for this job. Manager (Engg-E) will be the authorised representative for this job. Material not approved by the Engineer-In-Charge shall not be used in executing the work. You can approach Manager (Engg-E), who will hand over the site.
6. काम पूरा होने पर, आपके द्वारा या आपके अधिकृत प्रतिनिधि और अभियंता-प्रभारी या उनके प्रतिनिधि द्वारा संयुक्त रूप से कार्य के प्रत्येक आइटम को मापा जाएगा, और माप पुस्तिका में दर्ज किया जाएगा। / On completion of work, each item of work shall be jointly measured by you or your authorized representative and the Engineer-In-Charge or his representative, and to be entered into the measurement book.
7. कार्य के संतोषजनक सामपन के पश्चात् आपके द्वारा बिल प्रभारी इंजीनियर को प्रस्तुत किया जायेगा, तथा इसकी निम्नलिखित दस्तावेजों के साथ कार्रवाई की जाएगी। / On satisfactory completion of work, bill shall be submitted by you to the Engineer-In-Charge and same shall be processed with following documents:
 - a. संयुक्त रूप से आपके और इंजीनियर-प्रभारी या उनके प्रतिनिधि द्वारा हस्ताक्षरित माप पुस्तिका/ Measurement book jointly signed by you and Engineer-In-Charge or his representative
 - b. डिलीवरी चालान / Delivery challan if applicable.


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- c. मुल बिल / GST Tax Invoice.
- d. अन्य संबंधित दस्तावेज (यदि कोई है तो)/ Service reports & Other relevant documents, if any.
8. **सुरक्षाजमा :-** बिल के कुल मूल्य का 10% सुरक्षाजमा के रूप में बिल से काटा जायेगा। सुरक्षाजमा केवल दोष दायित्व अवधि, जो की भौतिक रूप से कार्य पूरा होने की तारीखसे 06 महीने तक की है, की समाप्ति के पश्चात, वापस हो जाएगा। रु 28,605.00 की इ.एम.डी जो की आपकी निविदा के साथ प्राप्त हुयी थी जी सी सी क्लॉज 1A के अनुसार सुरक्षा जमा में परिवर्तित की जाएगी तथा डी एल पी के पश्चात् ही जारी की जाएगी। /
- Security Deposit:-**
- a. 10 % of the gross value of the bill shall be deducted from the bill as security deposit.
- b. **The Earnest Money amount of Rs.28,605.00 (Rupees Twenty Eight Thousand Six Hundred and Five Only)** received along with your tender shall be converted as security deposit as per clause no 1A of GCC and SD will be release after completion of defect liability period only.
- c. The Security deposit shall be refundable only after expiry of the defects liability period, which shall be for a period of 06 months, from the date of physical completion of work including extended completion period, if any.
9. भुगतान टी.डी.एस एवं सेस की कटौती के पश्चात किया जायेगा। /The payment will be released after deducting TDS & Cess. Wherever applicable, other deductions/ recoveries & Penalties if applicable.
10. ठेकेदार को जीसीसी के क्लॉज 46 के अनुसार बीमा पॉलिसी प्रदान करनी है, जिसमें विफल रहने पर आनुपातिक राशि बिलों से वसूल की जाएगी।/ Contractor has to provide CAR policy as per clause 46 of GCC, failing which the proportionate amount shall be recovered from the Bills.
11. इस कार्य आदेश को number **AAI/HUB/ENGG-E/Spare/WO-05/2019-20/1157** Dated: 24.02.2020 क्रम आवंटित किया गया है, जो आपके द्वारा इस कार्य के संबंध में भविष्य के सभी पत्राचार मे उद्धृत किया जाएगा।/ This work order is allotted with the number **AAI/HUB/ENGG-E/Spare/WO-05/2019-20/1157** Dated:24.02.2020 which shall be quoted by you for all future correspondence in connection with this work.
12. इस ठेके के संबंध में आगे का कोई भी पत्राचार प्रभारी अभियंताप्रभारी-,विद्युत विभाग,भाप्रा.वि., हुबल्ली विमानक्षेत्र, हुबल्ली - 580030 के पते पर किया जाए।/ Any

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correspondence in connection with the contract should normally be addressed to the AGM(Engg-E), Airports Authority of India, Hubballi Airport, Hubballi-580030.

13. कृपया इस पत्र के पावती को हस्ताक्षर करने के पश्चात स्विकृती के रूप निम्नहस्तोक्षरीत को भेजा जाए।/ Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as a token of acceptance.

स महा प्रबंधक (इंजी. – वि.)/ Asst. General Manager (Engg-E)
भारतीय विमानपत्तन प्राधिकरण/ Airports Authority of India,
हुब्बल्ली हवाई अड्डा/ Hubballi Airport
हुब्बल्ली/ Hubballi – 580030.

प्रतिलिपि/ Copy To : आंतरिक/ Internal

1. सयुक्त महाप्रबंधक, भाविप्रा(वित्त) , चेन्नई/ Jt. General Manager (Fin.), AAI, Chennai.
2. विमानपत्तन निर्देशक, भाविप्रा, हुब्बल्ली हवाई अड्डा/ APD, AAI, Hubballi Airport.
3. उप महाप्रबंधक (इंजी.-वि.), भाविप्रा, चेन्नई/ DGM. Engg (E), AAI, Chennai,
4. प्रबंधक (इंजी.-वि.), भाविप्रा, हुब्बल्ली हवाई अड्डा/ Manager, Engg (E), AAI, Hubballi Airport, Hubballi
5. प्रभारी भाविप्रा(वित्त) , हुब्बल्ली हवाई अड्डा/ In-Charge (Fin), AAI, Hubballi Airport, Hubballi.
6. कार्य आदेश फाइल/ Work Order File.

स महा प्रबंधक(इंजी. – वि.)/ Asst. General Manager (Engg-E)
भारतीय विमानपत्तन प्राधिकरण/ Airports Authority of India,
हुब्बल्ली हवाई अड्डा / Hubballi Airport
हुब्बल्ली/Hubballi – 580030.

WORK ORDER

Name of work: ARMO 2019-20, **SH:** Miscellaneous repair and services of Pumps sets, Painting and supply of day to day spares at Hubballi Airport.

Name of office: O/o of Asst. General Manager (Engg-E), AAI, Hubballi Airport, Hubballi – 580 030.

Work Order No: AAI/HUB/ENGG-E/Spare/WO-05/2019-20/1157-63 **Dated:** 24.02.2020

Order for work described below has been awarded to M/s.Chennai Engineers, Chennai-600125.

To be executed as per conditions attached at the rates given below.

Time of completion : **06 Months**

Schedule of Work – A

Item No.	Description of Item	Unit	Qty.	Rate	Amount
1.00	SH : 1 Painting of Panel, Poles and Fire Hydrant Boxes.				
1.10	Painting of electrical LT indoor, Outdoor panels, Fire hydrant boxes, Exposed Fire hydrant pipe line, Diesel pipe line, Exposed Water, pumps, earth pit covers etc located in powerhouse, AC Plant, switch rooms, fire pump room, pump room etc., with one or more coats of spray painting with synthetic Enamel paint of Approved brand and manufacturer, including cleaning of surface with rust removal material etc before painting, of required color, as approved by E-I-C, to give an even shade complete as required.	sqmtr	100	209.00	20900.00
1.20	Painting of Street Light poles of 7 mtr height and approx with one or more coats of spray painting with synthatic Enamel paint of Approved brand and manufacturer to give an even shade, including cleaning of surface with rust removal material etc before painting, of required color , as approved by E-I-C, to give an even shade complete as required.	Jobs	82	399.00	32718.00
1.30	Painting of Street Light poles of 5 mtr height and approx with one or more coats of spray painting with synthetic Enamel paint of Approved brand and manufacturer to give an even shade, including cleaning of surface with rust removal material etc , of required color , as approved by E-I-C, to give an even shade complete as required.	Jobs	661	369.00	243909.00

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Item No.	Description of Item	Unit	Qty.	Rate	Amount
1.40	Painting of Street Light poles of 2ft height and approx with one or more coats of spray painting with synthetic Enamel paint of Approved brand and manufacturer , including cleaning of surface with rust removal material etc before painting , of required color, as approved by E-I-C, to give an even shade complete as required.	Jobs	88	99.00	8712.00
2.00	SH : 2 - HT & LT Breaker/ Panel Overhauling.				
2.10	Servicing of 5 Panel 11 KV VCB (Make:-ABB, Model:- VD4 12.12.25) through OEM/ its Authorized Dealer by clearing, Checking, tightening, adjusting, replacing defective components, aligning, lubricating, greasing etc complete as required without spare parts. (VCB Capacity-800A, I/C-2nos, O/G-2nos & B/C-01no)	job	1	49999.00	49999.00
2.20	Servicing and Repairing of Panel inbuilt Diesel Engine auto starting mechanism cum Battery charger of 12 volts/ 24 Volts, through OEM/ its Authorized Dealer by cleaning, Checking, tightening, adjusting, replacing defective components etc including minor repair complete as required without major repair & spare parts.	job	1	7999.00	7999.00
3.00	SH : 3 : Testing of MV Air Circuit Breaker.				
3.10	Servicing of 630 Amps -2500 Amps ABB Make MV Circuit Breaker through OEM or its authorized dealer by cleaning , checking, tightening, adjusting replacing defective components greasing oiling etc complete as required but without spare parts i/c Over load, Earth Fault, Short Circuit and Megger Testing through secondary injection kit etc complete as required.	job	22	6999.00	153978.00
4.00	SH :-4 Servicing of Pump Set. Servicing of Various type of Mono block/ submersible water/ sewage pump/ hydro Penumatic Pump, motor etc of following capacity as and when required including all other associated works like bearing replacement shaft work, Basic Service etc except major repair and major spares through OEM/its Authorized Dealer, complete as required.				


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Item No.	Description of Item	Unit	Qty.	Rate	Amount
4.10	Fire Pump Set Make:- Kirlosker Bros Ltd, Type:- DV100/26, 3 ph, 55 kw, 75 HP, Head:- 70M	Job	1	7999.00	7999.00
4.20	Jockey Pump Set (hydro Penumatic) Make:- Kirlosker Bros Ltd, Model:- KOIL10-19, 3ph, 4 kw, 5 HP ,Head:- 80 M	JOB	1	8499.00	8499.00
4.30	Water Supply pumps (hydro Penumatic) Sets Make:- Grundfose, Model:- A96500968P11638 Head:-61.2 M, 2.20 Kw	Job	6	4999.00	29994.00
5.00	Sub Head-5: Supply of spares.				
5.10	LAMPS Supply of Following Type of T-5/CFL/HPSV/MH lamps, suitable for operation on 230 Volts, 50 Hz, AC System as required as per site requiremen. and as per AAI Approved Make)				
5.20	28W (T5) 4 feet Fluorescent Tube Light	Each	150	99.00	14850.00
5.30	14W (T5) 2 feet Fluorescent Tube Light	Each	5	99.00	495.00
5.40	18W, 4 Pin, PL-C type non retrofit, cool day light CFL lamp	Each	150	99.00	14850.00
5.50	36W 4 pin PL-L36 cool day light CFL lamp	Each	25	129.00	3225.00
5.60	65W CFL lamp cool day light with B22 base	Each	30	549.00	16470.00
5.70	Halogen Lamp 1000W	Each	15	69.00	1035.00
5.80	400W Tubular HPSV lamp	Each	20	399.00	7980.00
6.00	IGNITORS AND BALLAST				
6.10	Supply of 150/ 250/ 400 Watt Electronic Ignitor suitable for HPSV & Metal Hallide lamp for operation on 230 Volts,50 Hz, AC System as per site requirement and AAI approved make, (Sample.Model :- Type - BJ- IGN-HPSV/MH-1 Bajaj or Equivalent.	Each	15	169.00	2535.00
6.20	Suply of 400 watt Copper Ballast/ conventional type Electromagmetic suitable for operation on 230 V,50 Hz, AC System as per site requirement and AAI approved make. (Sample Model:K- Lite KL SV/MH BJOS OMH 400).	Each	15	1399.00	20985.00
6.30	Suply of Electronic ballast suitable for 2 x 28 W T5 suitable for operation on 230 V,50 Hz, AC System as per site requirement and AAI approved make.	Each	45	469.00	21105.00

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Item No.	Description of Item	Unit	Qty.	Rate	Amount
6.40	Suply of Electronic ballast suitable for 2 x 36W CFL suitable for operation on 230 V,50 Hz, AC System as per site requirement and AAI approved make.	Each	30	439.00	13170.00
7.00	SWITCH, SOCKET, PVC BOXES & PLATES				
7.10	16A 3 pin plug top.	Each	10	49.00	490.00
7.20	6A 3 pin plug top.	Each	10	39.00	390.00
7.30	6A modular switch	Each	20	69.00	1380.00
7.40	6A modular socket	Each	20	129.00	2580.00
7.50	6/16A modularl socket	Each	20	199.00	3980.00
7.60	16A modular switch	Each	20	139.00	2780.00
8.00	Supplying of following sizes ISI marked PVC insulated, single core , FRLSH grade standrad copper cables of 1100 volts grade confirming to relevant IS of standard length etc as required				
8.10	1.5 Sq. mm (90Mtr Roll)	Roll	8	999.00	7992.00
8.20	2.5 Sq. mm (90Mtr Roll)	Roll	8	1499.00	11992.00
8.30	4.0 Sq.mm (90Mtr Roll)	Roll	4	2299.00	9196.00
9.00	Supplying of following sizes ISI marked PVC insulated, three core , 1100 volts grade standard copper cables of confirming to relevant IS of standard length etc as required				
9.10	3 x 1.5 Sq. mm (100 Mtr Roll)	Roll	5	3699.00	18495.00
9.20	3 x 2.5 Sq. mm (100 Mtr Roll)	Roll	5	5999.00	29995.00
9.30	3 x 4.0 Sq.mm (100 Mtr Roll)	Roll	2	8999.00	17998.00
10.00	CONTACTORS AND RELAYS				
10.10	supply of 3 Pole Capacitor Switching Contactor along with add on block with insertion of damping resistors etc. suitable for existing panel mounting arrangment complet as per site requirement and AAI approved make. (Sample Model :- ABB, UA 30-30-10 RA)	Nos	5	2299.00	11495.00
10.20	supply of 1-pole NC auxiliary contact blocks (Front mounting) suitable for existing panel mounting arrangment and AAI approved make. (Sample Model :- ABB, CA 5-10)	Nos	5	89.00	445.00

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Item No.	Description of Item	Unit	Qty.	Rate	Amount
10.30	supply of 5A, 240V AC Controled relay with base suitable for existing panel mounting arrangement complete as per site requirement and AAI approved make (Sample Model :- PLA, PMY-2C-240V AC)	Nos	5	169.00	845.00
11.00	CAPACITORS				
11.10	Supply of 3phase 25 kvar MKK480-D-28.1-04 type PhaseCap Super Heavy Duty Resin filled Capacitor suitable for existing panel mounting arrangement complete as per site requirement and AAI approved make , (sample Model :- Epcos, B25675L4282J180)	Nos	5	6999.00	34995.00
11.20	Supply of 3phase 10 kvar MKK480-D-11.0-04 type PhaseCap Super Heavy Duty Resin filled Capacitor suitable for existing panel mounting arrangement complete as per site requirement and AAI approved make, (Sample Model :- Epcos, B25675L4112J 80)	Nos	2	2499.00	4998.00
11.30	Supply of 3phase 5 kvar MKK480-D-6.3-04 type PhaseCap Super Heavy Duty Resin filled Capacitor suitable for existing panel mounting arrangement complete as per site requirement and AAI approved make. (Sample Model :- Epcos, B25675L4062J380)	Nos	2	1399.00	2798.00
12.00	INDICATION LAMPS Supply of Round shape Pilot light /Indication Lamp of dia: Ø 22.5 mm (22.3 +0.4/0) suitable for work in 240 V AC, 50/60 Hz power supply complete as per site requirement and AAI approved make				
12.10	Green LED Pilot light /Indication Lamp (Sample Model:- Schneider / XB7EV03MP)	Nos	5	109.00	545.00
12.20	Red LED Pilot light /Indication Lamp, (Sample Model :- Schneider / XB7EV04MP)	Nos	10	109.00	1090.00
12.30	Yellow LED Pilot light /Indication Lamp (Sample Model :- Schneider / XB7EV05MP)	Nos	10	109.00	1090.00
12.40	Blue LED Pilot light /Indication Lamp(Sample Model :- Schneider / XB7EV06MP)	Nos	10	299.00	2990.00
12.50	Orange LED Pilot light /Indication (Sample Model :- Schneider / XB7EV08MP)	Nos	5	109.00	545.00


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Item No.	Description of Item	Unit	Qty.	Rate	Amount
13.00	SELECTOR SWITCHES AND MULTY FUNCTION METERS Supply of Following Rotary Switch suitable for panel mounting with Yellow Front Plate Red Knob suitable for work in 10A/440V AC 50/60 Hz power supply suitable for existing panel mounting arrangement complete as required.				
13.10	2 way with OFF 3 Position 60° Rotary Cam Switch	Nos	5	129.00	645.00
13.20	3 way with OFF 4 Position Voltage selector switch	Nos	5	219.00	1095.00
13.30	3 way with OFF 4 Position Ammeter selector switch	Nos	5	219.00	1095.00
13.40	Supply of 0-500 V analog voltmeter, Acc. class 1 with 90 deg defl. Scale suitable for existing panel mounting arrangement complete as per site requirement and AAI Approved Makes.	Nos	5	279.00	1395.00
13.50	Supply of 0-1200 A analog ammeter Acc. class 1 with 90 deg defl. scale suitable for existing panel mounting arrangement complete as per site requirement and AAI Approved Makes.	Nos	5	279.00	1395.00
13.60	Supply of Multi Function Meter (V,A, F,PF, KW, KVA, KWH) meter having RS 485 communication facilities suitable for work in 440V AC 50/60 Hz power supply suitable for existing panel mounting arrangement complete as required.	Nos	5	3399.00	16995.00
14.00	MCB, RCCB AND MCCB's				
14.10	Supply of following 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load complete as required as per AAI Approved Make.				
14.20	Single pole MCB	Nos	20	119.00	2380.00
14.30	Double Pole MCB	Nos	10	309.00	3090.00
14.40	Triple pole	Nos	5	499.00	2495.00
14.50	Four pole	Nos	5	679.00	3395.00
14.60	Supply of 4A, 240/ 415 volts C curve SP MCB, complete as per site requirement and AAI Approved Makes.	Nos	5	179.00	895.00
14.70	Supply of following rating residual current circuit breaker having earth leakage protection (RCCB) complete as per site requirement and AAI Approved Makes, as required.				


 24/02/2020

Item No.	Description of Item	Unit	Qty.	Rate	Amount
14.80	4 pole 63 amps. (415 Volts), 300mA sensitivity.	Nos	5	1999.00	9995.00
14.90	4 pole 40 amps. (415 Volts), 300mA sensitivity.	Nos	5	1699.00	8495.00
15.00	2 pole 40 amps. (240 Volts), 100mA sensitivity.	Nos	5	1239.00	6195.00
15.10	2 pole 25 amps. (240 Volts), 300mA sensitivity.	Nos	5	1239.00	6195.00
15.20	2 pole 16 amps. (240 Volts), 300mA sensitivity	Nos	5	2209.00	11045.00
15.30	Supply of 10 KA, Miniature circuit breakers 40 A to 63A FP MCB, C-curve, miniature circuit breaker complete as per site requirement and AAI Approved Makes,as required. As per the following Qty. a) 40 A : 06 nos b) 63 A : 09 nos	Nos	15	969.00	14535.00
15.40	Supply of 630A, 4P 50kA MCCB with microprocessor based adjustable release with OL & SC protection suitable for existing panel mounting arrangment complete as per site requirement and AAI Approved Makes,as required. Frame size and termination should match with the existing arrangement.	Nos	1	29009.00	29009.00
15.50	Supply of 400A, 4P 36kA MCCB with microprocessor based adjustable release with OL & SC protection suitable for existing panel mounting arrangment complete as per site requirement and AAI Approved Makes,as required. Frame size and termination should match with the existing arrangement.	Nos	1	21009.00	21009.00
15.60	Supply of 250 A, 4P 36kA MCCB with microprocessor based adjustable release with OL & SC protectionsuitable for existing panel mounting arrangment complet as required. (Make/Model :- ABB / max T4N 250 or eqvalent) Frame size and termination shall match with the ABB Model	Nos	1	16999.00	16999.00
15.70	Supply of 125A, TP 36kA MCCB with Thermal Magnetic based adjustable release with OL & SC protection suitable for existing panel mounting arrangment complet as required.(Make/Model :- ABB / Tmax T2N160 or eqvalent) Frame size and termination shall match with the ABB Model	Nos	1	6699.00	6699.00

24/02/2020

Item No.	Description of Item	Unit	Qty.	Rate	Amount
15.80	Supply of 63 A, 3P 36kA MCCB with Thermal Magnetic based adjustable release with OL & SC protection suitable for existing panel mounting arrangement complete as per site requirement and AAI Approved Makes,as required. Frame size and termination should match with the existing arrangement.	Nos	2	4229.00	8458.00
15.90	Supply of 40 A, 3P 36kA MCCB with Thermal Magnetic based adjustable release with OL & SC protection suitable for existing panel mounting arrangement complet as required.(Make/Model :- ABB /Tmax T2N160 or eqvalent) Frame size and termination shall match with the ABB Model	Nos	2	4229.00	8458.00
16.00	Supply of 32A, 36kA, TP MCCB with adjustable thermal magnetic release with OL & SC protection.suitable for existing panel mounting arrangement complete as per site requirement and AAI Approved Makes,as required. Frame size and termination should match with the existing arrangement.	Nos	2	4229.00	8458.00
16.10	FAN AND RO WATER PURIFIERS.				
16.20	Supply of Pedestal Fan of 400 mm sweep including suitable metal stand and base,suitable for working on 230 volts,50Hz Ac with sufficient length power cords etc complete as required.	Each	4	2209.00	8836.00
16.30	Supply of Multistage RO water Purifier of 15LPH Capacity of Model. Kent-Ace or equivalent.	Each	1	19999.00	19999.00
17.00	BATTERIES				
17.10	Supply of 12 V 180 AH lead acid tubular batteries complete with first Charge as per site requirement and AAI Approved Makes,as required.	Nos	4	16999.00	67996.00
17.20	Supply of 12 V 150 AH lead acid tubular batteries complete with first Charge as per site requirement and AAI Approved Makes,as required.	Nos	1	11999.00	11999.00
18.00	FIRE FIGHTING & FIRE ALARM SYSTEM				


 24/07/2020

Item No.	Description of Item	Unit	Qty.	Rate	Amount
18.10	Supply of single headed internal/external hydrant valve with instantaneous gun metal couplings of 63 mm dia with cast iron ISI marked conformed to IS 5290 (Type A) with blank Gunmetal cap and chain suitable for existing mounting arrangement complete as per site requirement and AAI Approved Makes.	Each	5	6999.00	34995.00
18.20	Supply of 15 mm size quartzoid bulb type standard sprinklers of rating 68 degree C pendant with required accessories, K value for the sprinklers shall be 5.6 suitable for existing mounting arrangement complete as per site requirement and AAI Approved Makes.	Each	10	399.00	3990.00
18.30	Supply of 15mm size quartzoid bulb type Up right sprinklers of rating. 68 degree C pendant with required accessories suitable for existing mounting arrangement complete as per site requirement and AAI Approved Makes.	Each	5	409.00	2045.00
18.40	Supply of Analogue Addressable type Multi sense detector (photoelectric and fixed temperature type) complete with all accessories like standard base, junction box etc. The detector shall be with Visible color LED and shall blink every time the detector is addressed and illuminate steady on alarm and suitable for replacement of existing model Morley IAS:- MI-PTSE-S2-IV, complete as per site requirement.	Each	10	3699.00	36990.00
18.50	Supply of Analogue Addressable type Heat detector (rate of rise and fixed temperature type) complete with all accessories like standard base, junction box etc. The detector shall be with Visible color LED and shall blink every time the detector is addressed and illuminate steady on alarm, suitable for replacement of existing model Morley IAS:- MI-RHSE-IV complete as per site requirement.	Each	5	3199.00	15995.00
19.00	ALUMINIUM LUGS Supplying of following sizes Aluminium lugs for Cables.				
19.10	10 sq. mm	Each	30	2.99	89.70
19.20	16 sq. mm	Each	30	2.99	89.70
19.30	25 sq. mm	Each	30	5.99	179.70
19.40	35 sq. mm	Each	30	5.99	179.70

9500
24/05/2020

Item No.	Description of Item	Unit	Qty.	Rate	Amount
19.50	50 sq. mm	Each	30	8.99	269.70
19.60	70 sq. mm	Each	30	13.99	419.70
19.70	95 sq. mm	Each	30	14.99	449.70
19.80	120 sq. mm	Each	30	21.99	659.70
19.90	150 sq. mm	Each	30	26.99	809.70
20.00	185 sq. mm	Each	30	39.00	1170.00
20.10	240 sq. mm	Each	30	49.00	1470.00
20.20	300 sq. mm	Each	30	59.00	1770.00
20.30	Supply of TP+N Type 1+2 rating AC Surge protection device with high discharge current, pluggable cartridges, End of life Indicator, suitable for operation in AC 50hz supply, etc	Each	12	9999.00	119988.00

Total Amount 1371326.30

Rupees (Thirteen Lakhs Seventy One Thousand Three Hundred and Twenty Six Only) Plus applicable GST.

Note: Terms and conditions as per attached.

Name of Agency : **M/s. Chennai Engineers, Chennai-600125.**


 सहायक महाप्रबंधक (इंजी. – वि.)/ Asst. General Manager (Engg-E)
 भारतीय विमानपत्तन प्राधिकरण/ Airports Authority of India,
 हुबल्ली हवाई अड्डा/ Hubballi Airport