



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

कलिकट अंतर्राष्ट्रीय विमानपत्तन / CALICUT INTERNATIONAL AIRPORT

कलिकट विमानपत्तन (पो.ओ.) कलकट / Calicut Airport (P.O.), Kerala - 673 647

☎ Phone : 0483 2719475, फैक्स / Fax : 0483 2711406, ई-मेल / E-mail : dgmelect_calicut@aai.aero

By Regd.AD/E-mail

Ref. No. AAI/CL/ENGG(E)/75/WO-63/

Date: 26.06.2020

**M/s Chennai Engineering Services,
Plot 30, Door No.1-536,
Krishna Nagar,
1st Street, Manapakkam,
Chennai - 600 125**

Name of Work : ARMO of E&M Installations at Calicut International Airport for the year 2020-21.
SH: : Operation and Maintenance of Electrical and Mechanical Installations of Terminal Buildings, Technical Block, Residential Colony, Car Park, Street Lights, Water Supply, Fire Fighting etc. of Calicut International Airport during 2020-22.
Ref: : Your financial bid opened on 15.06.2020.

Dear Sir(s),

1. Your e-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.2,17,57,633/- (Rupees Two Crores Seventeen Lakhs Fifty Seven Thousand Six hundred and Thirty Three Only)**
2. Jt. Gen. Manager (Engg-Elect), AAI, Calicut International Airport shall be the Engineer-in-Charge of the work. You are requested to attend the office of Jt. Gen. Manager (Engg-Elect), AAI, Calicut International Airport by **06.07.2020** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value **Rs.200/- (Rupees Two Hundred only)** and the cost of the stamp paper shall be borne by you.
3. The earnest money amount of **Rs.4,66,450/- (Rupees Four Lakhs Sixty Six thousand Four hundred and Fifty only)** received along with your tender will be treated and converted as part of security deposit as per Clause No.1A on page No. GCC14 of contract document. Please deposit **Rs.17,09,313/- (Rupees Seventeen lakhs Nine thousand Three hundred and Thirteen only)** towards security deposit within 10 days from the date of issue of this letter failing which, the same will be deducted as per condition of Clause No.1 A at page No. GCC 14 of contract document.
4. Within 30 days of issue of acceptance letter, you shall submit to AAI, a Performance Guarantee as per condition of clauseon page.....for an amount of **Rs.17,09,313/- (Rupees Seventeen lakhs Nine thousand Three hundred and Thirteen only)** in the form of Bank Guarantee on the Proforma appended at Annexure ...onof Contract Document (If it is applicable).



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कलिकट विमानपत्तन(पी.ओ.) केरल / Calicut Airport (P.O), Kerala - 673 647

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5. You are requested to comply with the provisions of Contract Labour (Regulation and Abolition) Act of 1970 and Contract Labour (Regulation and Abolition) Central Rules 1971 Child Labour (Prohibition & Regulation) Act 1986, Construction of Works (Regulation of Employment and Condition of Services) Act 1996, Building and other construction Workers Welfare Cess Act 1996 as specified in Clause 37 on Page No.64 & 86 of GCC of tender and rules of Central and State Government.
6. You are also directed to contact Manager (Engg-Elect)- II, AAI, Calicut International Airport immediately who will arrange to hand over the site.
7. Please note that the time allowed for carrying out the work shall be **24 (Twenty Four) Months** and same shall be reckoned from **01.08.2020**.
8. Any further correspondence in connection with the contract should normally be addressed to the Engineer- In- Charge.
9. Please note that the awarded rate is exclusive of GST and you are required to submit valid GST invoices for effecting payment.
10. 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.

Thanking you,

Encl: SOQ

Yours faithfully,

Asst. General Manager (Engg-Elect) -II
For and on behalf of the Chairman
Airports Authority of India

Validate Print Help

Item Rate BoQ

Tender Inviting Authority: Asst. General Manager (E-E) - II

Name of Work: ARMO of E&M Installations at Calicut International Airport for the year 2020- 21.

SH: Operation and Maintenance of Electrical & Mechanical Installations of Terminal Building, Technical block, Residential Colony, Car Park, Street Lights, Water Supply, Fire Fighting etc of Calicut International Airport during 2020-22

Ref No: AAI/CL/Engg(E)/2020-21/NIT-01

Name of the Bidder/ Bidding Firm / Company : CHENNAI ENGINEERING SERVICES						
PRICE SCHEDULE						
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT WITHOUT GST	TOTAL AMOUNT In Words
1	2	3	4	5	8	10
1	Operation and periodic maintenance of all Electrical and Mechanical installations at different buildings/installations of airport such as Terminal building, Residential Colony, Pump Houses including but not limited to: operation of pumps for water supply and firefighting, lift, escalator, different switchgears, Carpark/street lighting including rectifying defects/faults/breakdowns in round the clock shifts, on all days including Sundays, all Holidays including preparation & maintenance of associated log books and records etc, complete as required.	24	month	834999.00	20039976.00	INR Two Crore Thirty Nine Thousand Nine Hundred & Seventy Six Only
2	Engaging of unskilled labour for carrying out casual/unspecified works like clearing of site, shifting of inventory, and other miscellaneous Electrical works as per instructions from Engineering in charge (1 man day = 8 hours of work).	50	Man Day	549.00	27450.00	INR Twenty Seven Thousand Four Hundred & Fifty Only
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	750	metre	129.00	96750.00	INR Ninety Six Thousand Seven Hundred & Fifty Only

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Sl. No.	Item Description	Quantity	Units	RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT WITHOUT GST	TOTAL AMOUNT In Words
1	2	3	4	5	8	10
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	150	metre	149.00	22350.00	INR Twenty Two Thousand Three Hundred & Fifty Only
5	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 4 sq. mm + 1 X 4 sq. mm earth wire.	425	metre	169.00	71825.00	INR Seventy One Thousand Eight Hundred & Twenty Five Only
6	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 2 X 6 sq. mm + 1 X 6 sq. mm earth wire	150	metre	219.00	32850.00	INR Thirty Two Thousand Eight Hundred & Fifty Only
7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 4 X 4 sq. mm + 2 X 4 sq. mm earth wire	100	metre	279.00	27900.00	INR Twenty Seven Thousand Nine Hundred Only
8	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. 4 X 6 sq. mm + 2 X 6 sq. mm earth wire	75	metre	419.00	31425.00	INR Thirty One Thousand Four Hundred & Twenty Five Only
9	Supplying and drawing following sizes of FRLS PVC insulated copper conductor,single core cable in the existing surface/ recessed steel/ PVC conduit as required. 3 x 1.5 sq. mm	150	metre	69.00	10350.00	INR Ten Thousand Three Hundred & Fifty Only
10	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 4 x 1.5 sq. mm	75	metre	89.00	6675.00	INR Six Thousand Six Hundred & Seventy Five Only

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1	2	3	4	5	8	10
11	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 3 x 2.5 sq. mm	150	metre	109.00	16350.00	INR Sixteen Thousand Three Hundred & Fifty Only
12	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 3 x 4 sq. mm	150	metre	149.00	22350.00	INR Twenty Two Thousand Three Hundred & Fifty Only
13	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 4 x 4 sq. mm	75	metre	189.00	14175.00	INR Fourteen Thousand One Hundred & Seventy Five Only
14	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 3 x 6 sq. mm	75	metre	219.00	16425.00	INR Sixteen Thousand Four Hundred & Twenty Five Only
15	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 4 x 6 sq. mm	75	metre	279.00	20925.00	INR Twenty Thousand Nine Hundred & Twenty Five Only
16	Supplying and fixing of following sizes of PVC conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required. - 20 mm	375	metre	29.00	10875.00	INR Ten Thousand Eight Hundred & Seventy Five Only

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Sl. No.	Item Description	Quantity	Units	RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT WITHOUT GST	TOTAL AMOUNT In Words
1	2	3	4	5	8	10
17	Supplying and fixing of following sizes of PVC conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required. - 25 mm	150	metre	39.00	5850.00	INR Five Thousand Eight Hundred & Fifty Only
18	Supply and fixing PVC casing capping of following sizes on surface as reqd. 20 mm x 12 mm	25	metre	29.00	725.00	INR Seven Hundred & Twenty Five Only
19	Supply and fixing PVC casing capping of following sizes on surface as reqd. 25 mm x16 mm	25	metre	39.00	975.00	INR Nine Hundred & Seventy Five Only
20	Supply and fixing PVC casing capping of following sizes on surface as reqd. 38 mm x16 mm	25	metre	49.00	1225.00	INR One Thousand Two Hundred & Twenty Five Only
21	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required 1 or 2 Module (75mmX75mm)	30	Each	69.00	2070.00	INR Two Thousand & Seventy Only
22	Supplying and fixing following size/ modules, GI box alongwith modular base &cover plate for modular switches in recess etc as required 3 Module (100mmX75mm)	75	Each	89.00	6675.00	INR Six Thousand Six Hundred & Seventy Five Only

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Sl. No.	Item Description	Quantity	Units	RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT WITHOUT GST	TOTAL AMOUNT In Words
1	2	3	4	5	8	10
23	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required 4 Module (100mmX75mm`)	50	Each	99.00	4950.00	INR Four Thousand Nine Hundred & Fifty Only
24	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required 6 Module (200mmX75mm)	30	Each	139.00	4170.00	INR Four Thousand One Hundred & Seventy Only
25	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required. 3 Module	70	Each	49.00	3430.00	INR Three Thousand Four Hundred & Thirty Only
26	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required. 6 Module	15	Each	79.00	1185.00	INR One Thousand One Hundred & Eighty Five Only
27	Supplying and fixing following size/ modules, PVC box alongwith modular base & cover plate for modular switches in surface/recess etc as required. 1 or 2 Module	5	Each	69.00	345.00	INR Three Hundred & Forty Five Only
28	Supplying and fixing following size/ modules, PVC box alongwith modular base & cover plate for modular switches in recess etc as required. 3 Module	40	Each	89.00	3560.00	INR Three Thousand Five Hundred & Sixty Only

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1	2	3	4	5	8	10
29	Supplying and fixing following size/ modules, PVC box alongwith modular base & cover plate for modular switches in recess etc as required. 4 Module	50	Each	99.00	4950.00	INR Four Thousand Nine Hundred & Fifty Only
30	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	25	Each	99.00	2475.00	INR Two Thousand Four Hundred & Seventy Five Only
31	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. (GROUP B)	30	Each	399.00	11970.00	INR Eleven Thousand Nine Hundred & Seventy Only
32	Supplying and fixing 20 amps, 415 volts, TPN industrial type, socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet	7	Each	999.00	6993.00	INR Six Thousand Nine Hundred & Ninety Three Only
33	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	6	Each	1299.00	7794.00	INR Seven Thousand Seven Hundred & Ninety Four Only

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1	2	3	4	5	8	10
34	Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	10	Each	199.00	1990.00	INR One Thousand Nine Hundred & Ninety Only
35	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc. as required. 150 mm X 75 mm X 60 mm deep	10	Each	199.00	1990.00	INR One Thousand Nine Hundred & Ninety Only
36	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc .with charcoal/ coke and salt as required.	5	SET	3999.00	19995.00	INR Nineteen Thousand Nine Hundred & Ninety Five Only
37	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	5	SET	4999.00	24995.00	INR Twenty Four Thousand Nine Hundred & Ninety Five Only
38	Repairing of earth pit by demolishing the existing damaged brick work, making fresh brick work, plastering the same, providing and fixing MS hinged cover, numbering the earth pit with suitable paint etc as required.	5	SET	1999.00	9995.00	INR Nine Thousand Nine Hundred & Ninety Five Only
39	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	100	mtr	19.00	1900.00	INR One Thousand Nine Hundred Only

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1	2	3	4	5	8	10
40	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc.as required.	50	mtr	499.00	24950.00	INR Twenty Four Thousand Nine Hundred & Fifty Only
41	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	100	mtr	99.00	9900.00	INR Nine Thousand Nine Hundred Only
42	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required. Upto 35 sq. mm (clamped with 1mm thick saddle)	200	mtr	19.00	3800.00	INR Three Thousand Eight Hundred Only
43	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required. Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	50	mtr	29.00	1450.00	INR One Thousand Four Hundred & Fifty Only
44	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required. Upto 35 sq.mm (clamped with 1mm thick saddle)	100	mtr	39.00	3900.00	INR Three Thousand Nine Hundred Only
45	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required. Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	50	mtr	49.00	2450.00	INR Two Thousand Four Hundred & Fifty Only

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1	2	3	4	5	8	10
46	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering. Upto 35 sq. mm	200	mtr	199.00	39800.00	INR Thirty Nine Thousand Eight Hundred Only
47	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering. Above 35 sq. mm and upto 95 sq. mm	100	mtr	229.00	22900.00	INR Twenty Two Thousand Nine Hundred Only
48	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required. Upto 35 sq. mm	50	mtr	19.00	950.00	INR Nine Hundred & Fifty Only
49	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required. Above 35 sq. mm and upto 95 sq. mm	50	mtr	19.00	950.00	INR Nine Hundred & Fifty Only
50	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. 4 X 16 sq. mm	2	SET	999.00	1998.00	INR One Thousand Nine Hundred & Ninety Eight Only

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Sl. No.	Item Description	Quantity	Units	RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT WITHOUT GST	TOTAL AMOUNT In Words
1	2	3	4	5	8	10
51	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. 3½ X 25 sq. mm	2	SET	999.00	1998.00	INR One Thousand Nine Hundred & Ninety Eight Only
52	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. 3½ X 35 sq. mm	2	SET	999.00	1998.00	INR One Thousand Nine Hundred & Ninety Eight Only
53	Excavation of the cable trenches in hard rock not exceeding 1.5 metres in width,m and lift upto 1.5 metres, including getting out the excavated soil and disposal of excavated soil as directed within a lead of 50 metres.	20	cum	999.00	19980.00	INR Nineteen Thousand Nine Hundred & Eighty Only
54	Providing and laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand :4 graded stone aggregate 20 mm nominal size) including form work etc as required.	10	cum	1499.00	14990.00	INR Fourteen Thousand Nine Hundred & Ninety Only
55	Providing and laying in position cement concrete 1:3:6 (1 cement : 2 coarse sand : 6 graded stone aggregate 20 mm nominal size) including form work etc as required.	10	cum	1499.00	14990.00	INR Fourteen Thousand Nine Hundred & Ninety Only

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1	2	3	4	5	8	10
56	Spray painting with two or more coat of synthetic enamel paint of approved brand, manufacturer and colour to give an even shade for distribution boards, Fire hydrant Pipes, Internal & External Electrical panels/ Junction boxes/feeder pillars, etc. provided in the Terminal Buildings, Technical Block and other Ancillary Buildings including cleaning the surface, applying two or more coats of primer wherever necessary, removing, shifting of installations from existing site to a suitable site for painting where ever required. Scope also includes re-lettering / new lettering of various distribution boards/ panels wherever required.	200	Sq.m	199.00	39800.00	INR Thirty Nine Thousand Eight Hundred Only
57	Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth upto 1.5 m, including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layers by ramming, watering etc., stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50 m. (a) All kinds of soil Pipes, cables etc, not exceeding 80 mm dia.	20	cum	999.00	19980.00	INR Nineteen Thousand Nine Hundred & Eighty Only
58	Cutting road and making good the same including supply of extra quantities of materials i.e. aggregate, moorum screening, red bajri and labour required. bituminous portion	20	cum	999.00	19980.00	INR Nineteen Thousand Nine Hundred & Eighty Only
59	Replacing the damaged bearing of 25 HP jockey pump motor coupling including labour charges for dismantling the coupling, refixing the coupling , ensuring proper shaft alignment etc. as required	1	JOB	7499.00	7499.00	INR Seven Thousand Four Hundred & Ninety Nine Only
60	Replacing the damaged bearing of 120 HP main fire pump motor coupling including labour charges for dismantling the coupling, refixing the coupling , ensuring proper shaft alignment etc. as required	1	JOB	9999.00	9999.00	INR Nine Thousand Nine Hundred & Ninety Nine Only

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1	2	3	4	5	8	10
61	Replacing the damaged rubber bush of 120 HP main fire pump motor coupling including labour charges for dismantling the coupling, refixing the coupling , ensuring proper shaft alignment etc. as required	1	JOB	4999.00	4999.00	INR Four Thousand Nine Hundred & Ninety Nine Only
62	Replacing the damaged rubber bush of 25 HP jockey pump motor coupling including labour charges for dismantling the coupling, refixing the coupling , ensuring proper shaft alignment etc. as required	1	JOB	3999.00	3999.00	INR Three Thousand Nine Hundred & Ninety Nine Only
63	Lifting and lowering of submersible pump along with the installed pipe from bore well (up to 400 feet max) including dismantling the defective submersible motor, pump set and installing the serviceable motor pump set with the existing pipe, arranging T&P and necessary consumables etc complete as required Submersible pumps installed with HDPE/PVC Pipe	2	JOB	14999.00	29998.00	INR Twenty Nine Thousand Nine Hundred & Ninety Eight Only
64	Lifting and lowering of submersible pump along with the installed pipe from bore well (up to 400 feet max) including dismantling the defective submersible motor, pump set and installing the serviceable motor pump set with the existing pipe, arranging T&P and necessary consumables etc complete as required Submersible pumps installed with GI pipe with Sockets/ Flanges	2	JOB	19999.00	39998.00	INR Thirty Nine Thousand Nine Hundred & Ninety Eight Only
65	Lifting of defective submersible/ monoblock motor pump set from openwell/sump and dismantling the same and installing the serviceable motor pump set arranging T&P and necessary consumables including lifting and lowering into sump/openwell etc complete as required (Serviceable Motor will be provided by AAI).	2	JOB	2999.00	5998.00	INR Five Thousand Nine Hundred & Ninety Eight Only

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1	2	3	4	5	8	10
66	Rewinding of following type of motors with enameled/Teflon coated copper wire varnishing & baking along with gunmetal bushes, thrust bearing etc and including to&fro transportation etc. complete as required (Burnt copper need not be returned to AAI. Rate shall be quoted accordingly) Submersible Motor (Borewell) Above 2 HP and up to 5 HP	2	JOB	4999.00	9998.00	INR Nine Thousand Nine Hundred & Ninety Eight Only
67	Rewinding of following type of motors with enameled/Teflon coated copper wire varnishing & baking along with gunmetal bushes, thrust bearing etc and including to&fro transportation etc. complete as required (Burnt copper need not be returned to AAI. Rate shall be quoted accordingly) Submersible Motor (Borewell) Above 5 HP and up to 10 HP	1	JOB	5999.00	5999.00	INR Five Thousand Nine Hundred & Ninety Nine Only
68	Rewinding of following type of motors with enameled/Teflon coated copper wire varnishing & baking along with gunmetal bushes, thrust bearing etc and including to&fro transportation etc. complete as required (Burnt copper need not be returned to AAI. Rate shall be quoted accordingly) Submersible Motor (Borewell) Above 10 HP and upto 15 HP	1	JOB	9999.00	9999.00	INR Nine Thousand Nine Hundred & Ninety Nine Only
69	Rewinding of following type of motors with enameled/Teflon coated copper wire varnishing & baking along with gunmetal bushes, thrust bearing etc and including to&fro transportation etc. complete as required (Burnt copper need not be returned to AAI. Rate shall be quoted accordingly) Submersible Motor (Borewell) Above 15 HP and upto 17.5 HP	1	JOB	12999.00	12999.00	INR Twelve Thousand Nine Hundred & Ninety Nine Only

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT WITHOUT GST	TOTAL AMOUNT In Words
1	2	3	4	5	8	10
70	Rewinding of following type of motors with enameled/Teflon coated copper wire varnishing & baking along with gunmetal bushes, thrust bearing etc and including to&fro transportation etc. complete as required (Burnt copper need not be returned to AAI. Rate shall be quoted accordingly) Submersible Motor (Openwell/sump) Above 2 HP and up to 5 HP	4	JOB	4999.00	19996.00	INR Nineteen Thousand Nine Hundred & Ninety Six Only
71	Rewinding of following type of motors with enameled/Teflon coated copper wire varnishing & baking along with gunmetal bushes, thrust bearing etc and including to&fro transportation etc. complete as required (Burnt copper need not be returned to AAI. Rate shall be quoted accordingly) Submersible Motor (Openwell/sump) Above 5 HP and up to 10 HP	4	JOB	6999.00	27996.00	INR Twenty Seven Thousand Nine Hundred & Ninety Six Only
72	Rewinding of following type of motors with enameled/Teflon coated copper wire varnishing & baking along with gunmetal bushes, thrust bearing etc and including to&fro transportation etc. complete as required (Burnt copper need not be returned to AAI. Rate shall be quoted accordingly) Submersible Motor (Openwell/sump) Above 10 HP and upto 15 HP	1	JOB	9999.00	9999.00	INR Nine Thousand Nine Hundred & Ninety Nine Only
73	Rewinding of following type of motors with enameled/Teflon coated copper wire varnishing & baking along with gunmetal bushes, thrust bearing etc and including to&fro transportation etc. complete as required (Burnt copper need not be returned to AAI. Rate shall be quoted accordingly) Monoblock Pump Motor Above 2 HP and up to 5 HP	1	JOB	4999.00	4999.00	INR Four Thousand Nine Hundred & Ninety Nine Only

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Sl. No.	Item Description	Quantity	Units	RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT WITHOUT GST	TOTAL AMOUNT In Words
1	2	3	4	5	8	10
74	Rewinding of following type of motors with enameled/Teflon coated copper wire varnishing & baking along with gunmetal bushes, thrust bearing etc and including to&fro transportation etc. complete as required (Burnt copper need not be returned to AAI. Rate shall be quoted accordingly) Monoblock Pump Motor Above 5 HP and up to 10 HP	4	JOB	5599.00	22396.00	INR Twenty Two Thousand Three Hundred & Ninety Six Only
75	Servicing of the following capacity submersible/mono block pumps including replacing the following components and refixing back complete as required and making the pump suitable for satisfactory operation. Submersible Motor (Openwell/Borewell/sump) Above 2 HP and up to 5 HP Thrust bearing	1	JOB	999.00	999.00	INR Nine Hundred & Ninety Nine Only
76	Servicing of the following capacity submersible/mono block pumps including replacing the following components and refixing back complete as required and making the pump suitable for satisfactory operation. Submersible Motor (Openwell/Borewell/sump) Above 2 HP and up to 5 HP Bushes	1	JOB	1999.00	1999.00	INR One Thousand Nine Hundred & Ninety Nine Only
77	Servicing of the following capacity submersible/mono block pumps including replacing the following components and refixing back complete as required and making the pump suitable for satisfactory operation. Submersible Motor (Openwell/Borewell/sump) Above 2 HP and up to 5 HP Shaft sleeve	1	JOB	999.00	999.00	INR Nine Hundred & Ninety Nine Only

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Sl. No.	Item Description	Quantity	Units	RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT WITHOUT GST	TOTAL AMOUNT In Words
1	2	3	4	5	8	10
78	Servicing of the following capacity submersible/mono block pumps including replacing the following components and refixing back complete as required and making the pump suitable for satisfactory operation. Submersible Motor (Openwell/Borewell/sump) Above 2 HP and up to 5 HP Thrust plate	1	JOB	999.00	999.00	INR Nine Hundred & Ninety Nine Only
79	Servicing of the following capacity submersible/mono block pumps including replacing the following components and refixing back complete as required and making the pump suitable for satisfactory operation. Submersible Motor (Openwell/Borewell/sump) Above 5 HP and up to 10 HP Thrust bearing	1	JOB	1199.00	1199.00	INR One Thousand One Hundred & Ninety Nine Only
80	Servicing of the following capacity submersible/mono block pumps including replacing the following components and refixing back complete as required and making the pump suitable for satisfactory operation Submersible Motor (Openwell/Borewell/sump) Above 5 HP and up to 10 HP Bushes	1	JOB	2999.00	2999.00	INR Two Thousand Nine Hundred & Ninety Nine Only
81	Servicing of the following capacity submersible/mono block pumps including replacing the following components and refixing back complete as required and making the pump suitable for satisfactory operation. Submersible Motor (Openwell/Borewell/sump) Above 5 HP and up to 10 HP Shaft sleeve	1	JOB	999.00	999.00	INR Nine Hundred & Ninety Nine Only

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Sl. No.	Item Description	Quantity	Units	RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT WITHOUT GST	TOTAL AMOUNT In Words
1	2	3	4	5	8	10
82	Servicing of the following capacity submersible/mono block pumps including replacing the following components and refixing back complete as required and making the pump suitable for satisfactory operation. Submersible Motor (Openwell/Borewell/sump) Above 5 HP and up to 10 HP Thrust plate	1	JOB	999.00	999.00	INR Nine Hundred & Ninety Nine Only
83	Servicing of the following capacity submersible/mono block pumps including replacing the following components and refixing back complete as required and making the pump suitable for satisfactory operation. Submersible Motor (Openwell/Borewell/sump) Above 10 HP and upto 15 HP Thrust bearing	1	JOB	1299.00	1299.00	INR One Thousand Two Hundred & Ninety Nine Only
84	Servicing of the following capacity submersible/mono block pumps including replacing the following components and refixing back complete as required and making the pump suitable for satisfactory operation. Submersible Motor (Openwell/Borewell/sump) Above 10 HP and upto 15 HP Bushes	1	JOB	3999.00	3999.00	INR Three Thousand Nine Hundred & Ninety Nine Only
85	Servicing of the following capacity submersible/mono block pumps including replacing the following components and refixing back complete as required and making the pump suitable for satisfactory operation. Submersible Motor (Openwell/Borewell/sump) Above 10 HP and upto 15 HP Shaft sleeve	1	JOB	999.00	999.00	INR Nine Hundred & Ninety Nine Only

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Sl. No.	Item Description	Quantity	Units	RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT WITHOUT GST	TOTAL AMOUNT In Words
1	2	3	4	5	8	10
86	Servicing of the following capacity submersible/mono block pumps including replacing the following components and refixing back complete as required and making the pump suitable for satisfactory operation. Submersible Motor (Openwell/Borewell/sump) Above 10 HP and upto 15 HP Thrust plate	1	JOB	999.00	999.00	INR Nine Hundred & Ninety Nine Only
87	Servicing of the following capacity submersible/mono block pumps including replacing the following components and refixing back complete as required and making the pump suitable for satisfactory operation. Monoblock Pump Motor Above 2 HP and up to 5 HP Bearing	1	JOB	799.00	799.00	INR Seven Hundred & Ninety Nine Only
88	Servicing of the following capacity submersible/mono block pumps including replacing the following components and refixing back complete as required and making the pump suitable for satisfactory operation. Monoblock Pump Motor Above 2 HP and up to 5 HP Bushes	1	JOB	999.00	999.00	INR Nine Hundred & Ninety Nine Only
89	Servicing of the following capacity submersible/mono block pumps including replacing the following components and refixing back complete as required and making the pump suitable for satisfactory operation. Monoblock Pump Motor Above 2 HP and up to 5 HP Shaft sleeve	1	JOB	899.00	899.00	INR Eight Hundred & Ninety Nine Only

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT WITHOUT GST	TOTAL AMOUNT In Words
1	2	3	4	5	8	10
90	Servicing of the following capacity submersible/mono block pumps including replacing the following components and refixing back complete as required and making the pump suitable for satisfactory operation. Monoblock Pump Motor Above 5 HP and up to 10 HP Bearing	1	JOB	1299.00	1299.00	INR One Thousand Two Hundred & Ninety Nine Only
91	Servicing of the following capacity submersible/mono block pumps including replacing the following components and refixing back complete as required and making the pump suitable for satisfactory operation. Monoblock Pump Motor Above 5 HP and up to 10 HP Bushes	1	JOB	999.00	999.00	INR Nine Hundred & Ninety Nine Only
92	Servicing of the following capacity submersible/mono block pumps including replacing the following components and refixing back complete as required and making the pump suitable for satisfactory operation. Monoblock Pump Motor Above 5 HP and up to 10 HP Shaft sleeve	1	JOB	999.00	999.00	INR Nine Hundred & Ninety Nine Only
93	Repairing of Soft starter (Make: L&T, Model : EMX3-0145B-V4-C1-H) used for fire fighting main electric pump, including repair/ replacement of any components like SCR, control card, display etc. including testing and commissioning of the same. The cost shall include to and fro transport of the soft starter to the service location of the specialized agency/L&T authorized centre as the case may be.	1	JOB	1999.00	1999.00	INR One Thousand Nine Hundred & Ninety Nine Only

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Sl. No.	Item Description	Quantity	Units	RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT WITHOUT GST	TOTAL AMOUNT In Words
1	2	3	4	5	8	10
94	Rewinding of following type of Air Circulators/ceiling fans/exhaust fans with enamelled copper wire, baking, varnishing, overhauling, greasing, refitting of motor etc and including to & fro transportation etc. complete as required (Burnt copper need not be returned to AAI. Rate shall be quoted accordingly) 600mm. Sweep aircirculators	5	JOB	999.00	4995.00	INR Four Thousand Nine Hundred & Ninety Five Only
95	Rewinding of following type of Air Circulators/ceiling fans/exhaust fans with enamelled copper wire, baking, varnishing, overhauling, greasing, refitting of motor etc and including to & fro transportation etc. complete as required (Burnt copper need not be returned to AAI. Rate shall be quoted accordingly) 450mm. Sweep aircirculators	5	JOB	999.00	4995.00	INR Four Thousand Nine Hundred & Ninety Five Only
96	Rewinding of following type of Air Circulators/ceiling fans/exhaust fans with enamelled copper wire, baking, varnishing, overhauling, greasing, refitting of motor etc and including to & fro transportation etc. complete as required (Burnt copper need not be returned to AAI. Rate shall be quoted accordingly) 300/380mm. Sweep Exhaust fan 900rpm heavy duty	5	JOB	599.00	2995.00	INR Two Thousand Nine Hundred & Ninety Five Only
97	Rewinding of following type of Air Circulators/ceiling fans/exhaust fans with enamelled copper wire, baking, varnishing, overhauling, greasing, refitting of motor etc and including to & fro transportation etc. complete as required (Burnt copper need not be returned to AAI. Rate shall be quoted accordingly) 300mm. Sweep Exhaust fan 1400 rpm light duty	5	JOB	599.00	2995.00	INR Two Thousand Nine Hundred & Ninety Five Only

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Sl. No.	Item Description	Quantity	Units	RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT WITHOUT GST	TOTAL AMOUNT In Words
1	2	3	4	5	8	10
98	Rewinding of following type of Air Circulators/ceiling fans/exhaust fans with enamelled copper wire, baking, varnishing, overhauling, greasing, refitting of motor etc and including to & fro transportation etc. complete as required (Burnt copper need not be returned to AAI. Rate shall be quoted accordingly) 1200mm. Sweep ceiling fan	5	JOB	499.00	2495.00	INR Two Thousand Four Hundred & Ninety Five Only
99	Rewinding of following type of Air Circulators/ceiling fans/exhaust fans with enamelled copper wire, baking, varnishing, overhauling, greasing, refitting of motor etc and including to & fro transportation etc. complete as required (Burnt copper need not be returned to AAI. Rate shall be quoted accordingly) 400 mm. sweep wall mounting fan	5	JOB	599.00	2995.00	INR Two Thousand Nine Hundred & Ninety Five Only
100	Rewinding of following type of Air Circulators/ceiling fans/exhaust fans with enamelled copper wire, baking, varnishing, overhauling, greasing, refitting of motor etc and including to & fro transportation etc. complete as required (Burnt copper need not be returned to AAI. Rate shall be quoted accordingly) 400 mm. sweep pedestal fan	5	JOB	599.00	2995.00	INR Two Thousand Nine Hundred & Ninety Five Only

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Sl. No.	Item Description	Quantity	Units	RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT WITHOUT GST	TOTAL AMOUNT In Words
1	2	3	4	5	8	10
101	Maintenance of Addressable Fire Alarm System consisting of Fire Loop, Addressable Panel, Fire Alarm Repeater Panel, Photo Electric Smoke Detectors, Multi detectors, Heat detectors, Beam Detector, Manual Call Point, Response Indicator, Fault Isolator, Hooter / Sounder, Control Relay Module, Monitor Module etc. as complete installed at various locations as detailed in the inventory list, by monthly servicing and attending breakdown repairs including replacement of defective component/devices, Corrections, re-installation, repair, replacement, modification, programming of PC, device configuration and ID assigning, firmware configuration etc. complete as and when required, through specialist agency/ OEM/ manufacturer whenever required. The scope shall also include Comprehensive all inclusive (Hardware and OS) maintenance of computer system , installed with fire alarm detection and warning system including all connected devices such as CPU, keyboard, mouse, monitor, printer, UPS etc. (Service for one month = 1 JOB)	24	JOB	7999.00	191976.00	INR One Lakh Ninety One Thousand Nine Hundred & Seventy Six Only
102	Providing services for obtaining certificate of approval/ license for firefighting and alarm system at Calicut International airport, including liaisoning with the concerned state/central govt.department, preparation of all documents and drawings required, providing any expert support for preparation of the application form, follow up with the departments etc. as required till the issuance of the license/certificate by the concerned authority to AAI.	1	JOB	99999.00	99999.00	INR Ninety Nine Thousand Nine Hundred & Ninety Nine Only
103	Rectification of fire alarm system by checking all individual smoke/heat detectors/MCP/Beam detectors replacing the faulty ones, including making interconnections of the cable to the detectors, making all field devices of the fire alarm system serviceable in all respect, programming the fire alarm panel by including all devices which are not reflected in the panel, configuring the management software to show all new devices programmed, etc. to make the fire alarm system 100% serviceable and intact in all respect, complete to the satisfaction of the Engineer In Charge. The detectors/MCP/beam detectors/ cable for interconnection of detectors will be provided by AAI.	1	JOB	44999.00	44999.00	INR Forty Four Thousand Nine Hundred & Ninety Nine Only

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT WITHOUT GST	TOTAL AMOUNT In Words
1	2	3	4	5	8	10
104	Supply, Installation, Testing & commissioning of UL / EN listed (latest version) intelligent addressable multi criteria detector {Smoke + heat } with inbuilt fault isolator / isolator base and with unique optical sensing chamber, visible LED, fully coated circuit board, superior RF / Transient protection suitable for 2 wires loop connection, complete with plug into common separate base & housing constructed of LEXAN (or polycarbonate) complete with connections etc. as required and to be installed below / above false ceiling roof and concealed space and as per enclosed specifications ,complete as required. (Cost of plug in common base shall deemed to be included in cost of detectors). The item shall be suitable for integration to Edwards EST fire alarm control panel.	20	Each	3799.00	75980.00	INR Seventy Five Thousand Nine Hundred & Eighty Only
105	Supplying, Installing, Testing and Commissioning of UL / EN listed (Latest Version) Addressable motorized auto align Beam detector with transmitter, receiver & control panel as per specification, complete as required. The item shall be suitable for integration to Edwards EST fire alarm control panel.	5	Each	38999.00	194995.00	INR One Lakh Ninety Four Thousand Nine Hundred & Ninety Five Only
106	Supply, installation, testing and commissioning of UL / EN listed (latest version) loop powered addressable Hooter-cum- strobe with inbuilt fault isolator / isolator module with adjustable sound level in the range of min. 90 dB to Max. 120 dB at 1M distance complete with termination etc. as required and as per enclosed specification. The item shall be suitable for integration to Edwards EST fire alarm control panel.	5	Each	2799.00	13995.00	INR Thirteen Thousand Nine Hundred & Ninety Five Only
107	Supply and laying of 2 x 1.5 sq.mm. FRLS armoured cable, 600 / 1000V rated with annealed copper conductor, as per applicable IS standards, on surface / recess/ on channel/ cable tray/above false ceiling.	250	mtr.	49.00	12250.00	INR Twelve Thousand Two Hundred & Fifty Only
Total in Figures					21757633.00	INR Two Crore Seventeen Lakh Fifty Seven Thousand Six Hundred & Thirty Three Only
Total Rate in Words		INR Two Crore Seventeen Lakh Fifty Seven Thousand Six Hundred & Thirty Three Only				