



भारतीय विमानपत्तन प्राधिकरण / AIRPORTS AUTHORITY OF INDIA
विशाखपट्टणम हवाई अड्डा / VISAKHAPATNAM AIRPORT
विशाखपट्टणम / VISAKHAPATNAM

Ref : AAI/VZ/ENGG (E)/R&M/O&M/WO-11/21-22/1518

Date: 21/03/2022

To
M/s. Abhishek Integrations Ltd.,
801, Venus Benecia, Pakvan Dining Lane,
S. G. Highway, Bodakdev,
Ahmedabad - 380053.
Email : abhishekintegrationslimited@gmail.com

// SPEED POST //

Name of work : ARMO of Electrical and Mechanical Installations 2021-22 at Visakhapatnam Airport.
SH : **Operation & Maintenance of Electrical and Mechanical installations at 33KV Substation, STP, Fire Hydrant & Fire alarm system.**
Ref : 1 Your e-tender ref. No. 2022_AAI_102404_1 at NIC CPP e-portal.
2 Your price-bid opened on 08/03/2022.
3 LOI letter No. AAI/VZ/ENGG (E)/R&M/O&M/LOI/21-22/1517 Dt. 18/03/2022

प्रिय महोदय / Dear Sir(s),

1. ऊपर उल्लिखित कार्य के लिए आपका टेंडर जी.एस.टी. छोड़कर उद्धृत दरों यानी - **₹ 1,27,94,550/-** (केवल एक करोड़ सत्ताईस लाख नित्यानवे हजार पांच सौ पचास रुपये) पर भारतीय विमानपत्तन प्राधिकरण के अध्यक्ष की ओर से स्वीकार किया गया है, जो अनुमानित लागत से 13.01% नीचे है - **₹ 1,47,08,585/-** (जी.एस.टी., ई.पी.एफ, ई.एस.आई तथा बोनस को छोड़कर)।

Your tender for the work mentioned above is here by accepted on behalf of the Chairman, Airports Authority of India at the quoted rates amounting to **Rs. 1,27,94,550/- (Rupees One Crore twenty seven lakhs ninety four thousand five hundred and fifty only)** excluding GST, EPF, ESI and Bonus, which is **13.01% below** the estimated cost of **Rs. 1,47,08,585/-** (Excluding GST, EPF, ESI and Bonus).

2. संयुक्त महाप्रबंधक (इंजी-विद्युत), विशाखपट्टणम हवाई अड्डा कार्य के अभियंता प्रभारी होंगे। आपसे अनुरोध है कि अपने अधिकृत प्रतिनिधि को प्रतिनियुक्त करें जो संयुक्त महाप्रबंधक(इंजी-विद्युत), विशाखपट्टणम के कार्यालय में **04/04/2022** तक उपस्थित होकर अनुबंध समझौते पर हस्ताक्षर करके समझौते पूरा करने का अधिकार हैं। अनुबंध समझौते को १००/- मूल्य के गैर-न्यायिक स्टाम्प पेपर पर निष्पादित किया जाएगा और स्टैप पेपर की लागत आपके द्वारा वहन की जाएगी।

Jt. General Manager Engg (Elect), Visakhapatnam Airport shall be the Engineer-in-charge of the work. You are requested to depute your accredited representative, empowered to sign the Contract Agreement on your behalf to attend the office of the Jt. General Manager Engg (Elect), Visakhapatnam by **04/04/2022** to sign and complete the Agreement. The Contract Agreement shall be executed on a non-judicial stamp paper of value of **Rs. 100/-** and the cost of the stamp paper shall be borne by you.

3. बयाना राशि आपके द्वारा यूटीआर नं. CPABKZUW16 दिनांक 23/02/2022 के द्वारा **₹ 2,94,172/-** (दो लाख चौरासी हजार एक सौ बहत्तर रुपये मात्र) में जमा की जाती है, जिसका भुगतान सीपीपी पोर्टल के माध्यम से ऑनलाइन किया जाता है। कृपया इस पत्र के जारी होने की तारीख से 10 दिनों के भीतर सुरक्षा जमा के रूप में **₹ 9,85,283/-** (नौ लाख पचहत्तर हजार दो सौ तिरासी रुपये मात्र) जमा करें, ऐसा न करने पर आपके बिल से राशि काट ली जाएगी। अनुबंध दस्तावेज़ के जीसीसी पृष्ठ - 18 पर शर्त 1(ए) के अनुसार।

Jt. General Manager Engg (Elect)

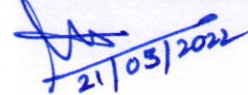
Earnest money is deposited by you vide UTR No. CPABKZUW16 dated 23/02/2022 for ₹ 2,94,172/- (**Rupees Two lakhs ninety four thousand one hundred and seventy two only**) paid online through CPP portal. Please deposit ₹ 9,85,283/- (**Rupees Nine lakhs eighty-five thousand two hundred and eighty-three only**) towards Security Deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted from your bill as per condition 1(A) on GCC page - 18 of the contract document.

4. आपसे अनुरोध है कि 1970 के ठेका श्रम (विनियमन और उन्मूलन) अधिनियम और अनुबंध श्रम (विनियमन और उन्मूलन) केंद्रीय नियम 1971, बाल श्रम (निषेध और विनियमन) अधिनियम, 1986 के प्रावधानों का पालन करने के लिए निर्माण श्रमिक (रोजगार और शर्तों का विनियमन) सेवा अधिनियम 1996, भवन और अन्य निर्माण श्रमिक कल्याण उपकर अधिनियम, 1996 जैसा कि जीसीसी और न्यूनतम मजदूरी अधिनियम, 1948 और कर्मचारी भविष्य निधि और विविध में निर्दिष्ट है। प्रावधान अधिनियम, 1952 और ईएसआई अधिनियम, 1948 जैसा कि निविदा के जीसीसी और उसके नियमों में निर्दिष्ट है केंद्र और राज्य सरकारें।
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 Workers (Regulation of Employment and Conditions of Service) Act 1996, Building and other construction workers welfare cess Act, 1996 as specified in GCC and minimum wages act, 1948 and Employees Provident Fund & Misc. Provisions Act, 1952 and ESI Act, 1948 as specified in GCC of tender and rules thereof Central and State Governments.
5. आपको प्रबंधक (इंजी-विद्युत)-II, विशाखपट्टणम हवाईअड्डा से तुरंत संपर्क करने के लिए निर्देशित किया जाता है जो आपको साइट सौंपने की व्यवस्था करेगा।
You are also directed to contact Manager Engg (Elect)-II / Visakhapatnam Airport immediately who will arrange to handover the site to you.
6. कृपया ध्यान दें कि कार्य पूरा करने के लिए अनुमत समय 02 (दो) वर्ष का होगा जो 01/04/2022 से माना जाएगा।
Please note that time allowed for completion of the work shall be **02 (Two) Years** which shall be reckoned from **01/04/2022**.
7. इस संविदा के संबंध में आगे की कोई पत्राचार के लिए संयुक्त महाप्रबंधक, इंजी-विद्युत, भा.वि.प्रा, विशाखपट्टणम - 530009 को संबोधित किया जाना चाहिए।
Any further correspondence in connection with this contract should normally be addressed to **Jt. General Manager Engg (Elect), AAI, Visakhapatnam Airport, Visakhapatnam - 530 009.**
8. कृपया प्राप्ति की पावती भेजें और स्वीकृति टोकन के रूप में अधोहस्ताक्षरी की हस्ताक्षर के बाद इस पत्र की डुप्लिकेट कॉपी को वापस भेजें।
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.

संलग्न: 11 पृष्ठ की अनुसूची

Encl : Schedule of quantities 11 page

भवदीय / Yours faithfully,


21/03/2022

[मनोज कुमार साहू / MANOJ KUMAR SAHOO]

वरिष्ठ प्रबंधक (अभि - वि) / Senior Manager Engg. (Elect)

भारतीय विमानपत्तन प्राधिकरण / Airports Authority of India

विशाखपट्टणम हवाईअड्डा / Visakhapatnam Airport

विशाखपट्टणम / Visakhapatnam - 530 009

कृते अध्यक्ष / भा.वि.प्रा, / नई दिल्ली

ध्यान दें : व्याख्या के संबंध में किसी भी विवाद की स्थिति में अंग्रेजी पाठ को प्रामाणिक माना जाएगा।

Note : In the event of any dispute regarding interpretation the English text will be treated as authentic.

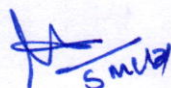
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WORK ORDER SCHEDULE OF QUANTITIES - 'A'

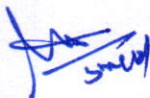
Name of work : ARMO of Electrical and Mechanical Installations 2021 - 22 at Visakhapatnam Airport.

SH : **Operation and Maintenance of Electrical and Mechanical installations at 33KV Substation, STP, Fire Hydrant & Fire alarm system.**

Sl. No.	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
1.00	Operation and Maintenance of Electrical & Mechanical Installations of New power house & Old power house, Internal & External electrification around the new power house and old power house, water supply system by carrying out preventive maintenance, attending to the complaints by providing qualified manpower, tools, cleaning materials etc., round the clock including sundays and holidays in three shifts as per enclosed Special conditions of contract and particular specifications and as per the instructions of the Engineer-in-Charge or his authorized representative from time to time complete as required.	24.00	Months	227096.00	5450304.00
2.00	Testing of transformer oil sample with HT B.D.V kit including conducting acidity test and producing test certificate etc., as required.	32.00	Job	1575.00	50400.00
3.00	Filtration / Dehydration of transformer oil till attaining the required BDV i/c to and fro transportation of filtration machine to site, submission of test reports etc., as and when required.	12320.00	Ltrs	10.50	129360.00
4.00	Supply of Silica gel crystals for transformer breathers etc. as and when required.	60.00	KG	315.00	18900.00
5.00	Supply of transformer oil with test report for topping up the transformer i/c transportation as and when required.	800.00	Ltrs	94.50	75600.00
6.00	Testing, Servicing and calibration of the following relays including and checking and rectifying the tripping circuit for HT 33KV VCB incoming / outgoing panels etc., complete as required. (a) Over current relay cum earth fault relay.	8.00	SET	2562.50	20500.00
7.00	Testing, Servicing and calibration of the following relays including and checking and rectifying the tripping circuit for HT 33KV VCB incoming / outgoing panels etc., complete as required. (b) 33 KV HT VCB panel master trip relay testing & calibration	14.00	EACH	1025.00	14350.00
8.00	Testing, Servicing and calibration of the following relays including and checking and rectifying the tripping circuit for HT 33KV VCB incoming / outgoing panels etc., complete as required. (c) 33 KV HT VCB panel supervision relay testing & calibration.	8.00	EACH	1025.00	8200.00


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Sl. No.	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
9.00	Testing, Servicing and calibration of the following relays including and checking and rectifying the tripping circuit for HT 33KV VCB incoming / outgoing panels etc., complete as required. (d) 33 KV HT VCB panel timer relay testing & calibration for Incomer Panel	2.00	EACH	1025.00	2050.00
10.00	Testing, Servicing and calibration of the following relays including and checking and rectifying the tripping circuit for HT 33KV VCB incoming / outgoing panels etc., complete as required. (e) 33 KV HT VCB panel under voltage relay testing & calibration for Incomer Panel	2.00	EACH	2562.50	5125.00
11.00	Testing, Servicing and calibration of the following relays including and checking and rectifying the tripping circuit for HT 33KV VCB incoming / outgoing panels etc., complete as required. (f) 33 KV HT VCB panelsupervision Auxiliary relay for Trip & Alarm testing & calibration for Transformers (2 relays per Transformer VCB)	24.00	EACH	1025.00	24600.00
12.00	Testing, Servicing and calibration of the following relays including and checking and rectifying the tripping circuit for HT 33KV VCB incoming / outgoing panels etc., complete as required. (g) 33 KV HT VCB 7 SR Numerical relay	6.00	EACH	2562.50	15375.00
13.00	Half-yearly maintenance and Servicing of 33KV, 1250A VCB including complete servicing and cleaning of breaker mechanism parts, checking all electrical and mechanical components, checking and servicing of draw-out mechanism including relay testing etc, complete as required and six months service warranty, breakdown calls should be attend within 24 hours. (Maintenance shall be carried out through OEM / authorized dealer). (a) 33KV / 1250A Incomer - 2 Nos. (b) 33KV / 1250A Out-going - 4 Nos.	22.00	JOB	4100.00	90200.00
14.00	Half-yearly Maintenance and Servicing of 415V, 4 Pole ACB of following rating including complete servicing and cleaning of breaker mechanism parts, checking all electrical and mechanical components, checking and servicing of draw-out mechanism including removal of worn-out electrical and mechanical parts, replacement works, relay testing etc, complete as required and six months service warranty and break down calls should be attended within 24 hours. (Maintenance shall be carried out through OEM / authorized dealer). spares will be provided by AAI. (a) 2500A / 4Pole ACB for Transformers out going & Bus Couplers-5 Nos	28.00	Job	3075.00	86100.00



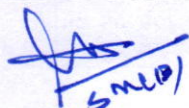
Sl. No.	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
15.00	Half-yearly Maintenance and Servicing of 415V, 4 Pole ACB of following rating including complete servicing and cleaning of breaker mechanism parts, checking all electrical and mechanical components ,checking and servicing of draw-out mechanism including removal of worn-out electrical and mechanical parts, replacement works,relay testing etc, complete as required and six months service warranty and break down calls should be attended within 24 hours. (Maintenance shall be carried out through OEM / authorized dealer). spares will be provided by AAI. (b) 1250A / 4Pole ACB Out-going - 17 Nos.	112.00	Job	2562.50	287000.00
16.00	Half-yearly Maintenance and Servicing of 415V, 4 Pole ACB of following rating including complete servicing and cleaning of breaker mechanism parts, checking all electrical and mechanical components ,checking and servicing of draw-out mechanism including removal of worn-out electrical and mechanical parts, replacement works,relay testing etc, complete as required and six months service warranty and break down calls should be attended within 24 hours. (Maintenance shall be carried out through OEM / authorized dealer). spares will be provided by AAI. (C) 1000A / 4Pole ACB Out-going - 02 Nos	16.00	Job	2562.50	41000.00
17.00	Half-yearly Maintenance and Servicing of 415V, 4 Pole ACB of following rating including complete servicing and cleaning of breaker mechanism parts, checking all electrical and mechanical components ,checking and servicing of draw-out mechanism including removal of worn-out electrical and mechanical parts, replacement works,relay testing etc, complete as required and six months service warranty and break down calls should be attended within 24 hours. (Maintenance shall be carried out through OEM / authorized dealer). spares will be provided by AAI. (d) 800A / 4Pole ACB Out-going - 7 Nos.	48.00	Job	2050.00	98400.00
18.00	Testing, Servicing and calibration of following safety relays for 33 KV / 433 V Transformers including submitting of test reports etc. complete as required. (a) Buchholz's relay	8.00	Job	1025.00	8200.00
19.00	Testing, Servicing and calibration of following safety relays for 33 KV / 433 V Transformers including submitting of test reports etc. complete as required. (b) OTI relay	8.00	Job	1025.00	8200.00
20.00	Testing, Servicing and calibration of following safety relays for 33 KV / 433 V Transformers including submitting of test reports etc. complete as required. (c) WTI relay	8.00	Job	1025.00	8200.00
21.00	Transportation of HSD oil from Petrol bunk to Airport power house. Approx. quantity of oil to be transported upto 1000 ltrs. Approx. distance from petrol bunk is 4 Km. Excluding loading and unloading.	100.00	Job	1050.00	105000.00

[Signature]
SMUB

Sl. No.	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
22.00	Painting of LT panels / feeder pillars with one coat metal primer on rusted surface and two coats approved synthetic enamel paint , lettering etc., as required upto the satisfaction of the Engineer-in-charge as and when required.	100.00	SQM	94.50	9450.00
23.00	Painting of street light poles with one coat of metal primer on rusted surface and two coats of approved aluminum paint i/c dismantling, re-fixing of fittings and scraping the surface as required to the satisfaction of the Engineer-in-charge as and when required.	200.00	EACH	892.50	178500.00
24.00	Supply of 3-phase Panel Digital Voltmeter of range 0 to 500V AC,AUX supply 240 VAC suitable for operation on three phase , 440 V , 50 Hz, AC supply [Schneider Model No Konzerv DM 3210 or equivalent)	20.00	NO	1155.00	23100.00
25.00	Supply of 3-phase Panel Digital Ammeter of range 0 -100-1600A AC,AUX supply 240 VAC suitable for operation on three phase , 440 V , 50 Hz, AC supply (Schneider Model No Konzerv DM 3110 or equivalent).	20.00	NO	4200.00	84000.00
26.00	Supply of 3-phase Intelligent panel digital Multi Function meter suitable for operation on three phase , 440 V , 50 Hz, AC supply (Make : L & T, Model:Quasar or equivalent)	20.00	NO	8400.00	168000.00
27.00	Supply of 1-phase LED Indication lamps suitable for operation on Single phase, 240 V, 50 Hz, AC supply (Make : ESBEE, Model: E-Series or equivalent) (a) Red	150.00	NO	126.00	18900.00
28.00	Supply of 1-phase LED Indication lamps suitable for operation on Single phase, 240 V, 50 Hz, AC supply (Make : ESBEE, Model: E-Series or equivalent) (b)Yellow	100.00	NO	126.00	12600.00
29.00	Supply of 1-phase LED Indication lamps suitable for operation on Single phase, 240 V, 50 Hz, AC supply(Make : ESBEE, Model: E-Series or equivalent) (c)Blue	100.00	NO	126.00	12600.00
30.00	Supply of 1-phase LED Indication lamps suitable for operation on Single phase, 240 V, 50 Hz, AC supply(Make : ESBEE, Model: E-Series or equivalent) (d) Green	150.00	NO	126.00	18900.00
31.00	Pollution test /Stack monitoring and Noise level monitoring of 750KVA DG-Sets with suitable kit including Conducting SPM(Suspended particles matter), SO2 (Sulphur dioxide), NOx (Oxides of Nitrogen) tests and submission of test reports etc. as and when required.	10.00	Job	4725.00	47250.00
32.00	Re-winding of following rating sub-mersible pump motors including dismantling, cutting of burnt out wire, re-assembling, testing of motor, transportation of the submersible pump motor set to the site etc as and when required. (a) 3.0 HP	8.00	Job	2100.00	16800.00
33.00	Re-winding of following rating sub-mersible pump motors including dismantling, cutting of burnt out wire, re-assembling, testing of motor, transportation of the submersible pump motor set to the site etc as and when required. (b) 5.0 HP	8.00	Job	3675.00	29400.00

[Signature]
Sml(B)

Sl. No.	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
34.00	Repairing / servicing of following rating sub-mersible pumps i/c replacement of all worn out GM bushes, thrust bearings, impellers, studs sets and necessary spares and lathe work, transportation charges complete in all respect etc., as on when required. (a) 3.0 HP	8.00	Job	2100.00	16800.00
35.00	Repairing / servicing of following rating sub-mersible pumps i/c replacement of all worn out GM bushes, thrust bearings, impellers, studs sets and necessary spares and lathe work, transportation charges complete in all respect etc., as on when required. (b) 5.0 HP	8.00	Job	2625.00	21000.00
36.00	Lifting of following submersible pumps upto 200 feet from the existing bore well / open well along with GI / MS pipe lines, cable and reinstallation of the same after repair / rectification of the defects as and when required. (Charges for repair / rectification of the pump or motor is not included). 5.0 HP/7.5 HP	8.00	Job	10500.00	84000.00
37.00	Re-winding of following rating 3.0 Phase induction motors including dismantling, cutting of burnt out wire, re-assembling, testing of motor, transportation of the Induction motor set to the site etc as and when required. 3.0 HP/ 5.0 HP	10.00	Job	3675.00	36750.00
38.00	Supply of TCCA-90 Chlorine for day to day maintenance of Garden fountain.	200.00	KG	126.00	25200.00
39.00	Supply of filter media sand for day to day maintenance of fountain.	120.00	KG	10.50	1260.00
40.00	Supply of fountain design underwater lights made of ABS body with 90 LED with provision of Geyser foam type jet nozzle with bush, complete as required.	42.00	NO	840.00	35280.00
41.00	Supply of Cascaded submersible nozzle and Geaser jet fountain nozzle., complete as required.	32.00	NO	2625.00	84000.00
42.00	Supply of Cascaded submersible nozzle foam type jet fountain nozzle., complete as required.	10.00	NO	2625.00	26250.00
43.00	Supply of 1" brass Ball Valve (including 1" nipple and union) for controlling the pressure of fountain nozzles., as per site requirement, complete as required.	42.00	NO	105.00	4410.00
44.00	Supply of maintenance kit with 9 mtr Hose pipe, algae brush, Vacuum head, telescopic rod and leaf net complete as required.	5.00	NO	2100.00	10500.00
45.00	Supply of 2 NO + 2 NC Auxiliary contactors suitable to operate on 230V, 50Hz AC supply, complete as required.	20.00	NO	1785.00	35700.00
46.00	Supply of Push button with NO & NC for ON / OFF operation suitable to operate on 230V, 50Hz AC supply, complete as required.	100.00	NO	168.00	16800.00
47.00	Supply of Push button type indicators with NO & NC for ON / OFF operation suitable to operate on 230V, 50Hz AC supply, complete as required.	100.00	NO	136.50	13650.00


SMLP

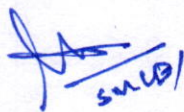
Sl. No.	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
48.00	Supply of Selectros switche for Selection mode suitable to operate on 230V, 50Hz AC supply, complete as required and as per site condition.	20.00	NO	157.50	3150.00
49.00	Supply of 80 W space heaters for LT & HT panels suitable to operate on 230V, 50Hz AC supply, complete as required and as per site condition.	25.00	NO	472.5	11812.50
50.00	Operation and Maintenance of Sewage Treatment Plant System by carrying out preventive maintenance, attending to the complaints, maintaining records by providing qualified manpower, tools, cleaning materials etc., round the clock including sundays and holidays in three shifts as per enclosed Special conditions of contract and particular specifications and as per the instructions of the Engineer-in-Charge or his authorized representative from time to time complete as required.	24.00	Months	70391.00	1689384.00
51.00	Supply of following Chemicals for day to day operation of Sewage Treatment Plant. a) Chlorine	1826.00	Ltrs	52.50	95865.00
52.00	Supply of following Chemicals for day to day operation of Sewage Treatment Plant. b) Urea	6570.00	KG	7.35	48289.50
53.00	Supply of following Chemicals for day to day operation of Sewage Treatment Plant. c) DAP	1826.00	KG	26.25	47932.50
54.00	Supply of following Chemicals for day to day operation of Sewage Treatment Plant. d) Nutrients	3650.00	KG	73.50	268275.00
55.00	Carrying out of following tests of sewage Inlet & treated water sample in reputed testing lab and submitting of bimonthly report including to & fro transportation to the site., etc complete job as required. (a) PH (b) TDS (c) TSS (d) BOD (e) COD (f) Chlorides (g) Sulphates	24.00	Job	1575.00	37800.00
56.00	Replacement of sand and stone aggregate (20 mm) in the filter bed once in year by providing river sand stone aggregate and disposing of digged out sand / agreegate within a lead of 50 metre as direction of Engineer-In-Charge.	1.00	Job	3990.00	3990.00
57.00	Rewinding of 7.5KW, 415V, 3 Ph induction motor by dismantling, cutting of burnt out wire rewinding with new winding with suitable guage enamelled copper wire, varnishing, baking, re-assembling of set including to and fro transportation to the site etc., complete job as on when required.	4.00	Job	21000.00	84000.00
58.00	Complete repair & overhauling of Twin lobe blower of capacity 230 cfm, 6 psi suitable to work on 7.5KW, 415V, 3 Ph induction motor by dismantling, replacement of neccessary spares such as , shaft, blades, bushes,..etc if required including lubricating on the parts wherever required and re-assembling of set including to and fro transportation to the site,dremoving & Refixing, testing,commissioning etc., complete job as on when required.	4.00	Job	10500.00	42000.00

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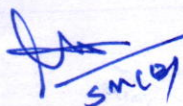
Sl. No.	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
59.00	Rewinding of following capacity submersible STP motors by dismantling, cutting of burnt out wire, rewinding with new suitable guage enamelled fine copper wire, varnishing, baking, re-assembling, complete overhauling of the motor including To & fro transportation to the site etc., complete job as on when required. a) 1 HP , 1- Phase Submersible motor	5.00	Job	4200.00	21000.00
60.00	Rewinding of following capacity submersible STP motors by dismantling, cutting of burnt out wire, rewinding with new suitable guage enamelled fine copper wire, varnishing, baking, re-assembling, complete overhauling of the motor including To & fro transportation to the site etc., complete job as on when required. b) 3 HP , 3-Phase submersible motor	5.00	Job	7875.00	39375.00
61.00	Rewinding of following capacity submersible STP motors by dismantling, cutting of burnt out wire, rewinding with new suitable guage enamelled fine copper wire, varnishing, baking, re-assembling, complete overhauling of the motor including To & fro transportation to the site etc., complete job as on when required. c) 5 HP , 3- Phase submersible motor	5.00	Job	10500.00	52500.00
62.00	Replacement of worn out / broken pully rubber belt of size B60 of blower motor etc., complete as on when required.	8.00	Job	1575.00	12600.00
63.00	Annual Maintenance of Fire hydrant & sprinkler system of Terminal Building and Cargo Building by carrying out Preventive maintenance Inspections, attending to complaints / breakdowns, maintaining records by providing trained manpower, tools, consumables, cleaning materials etc. complete as required as per enclosed Preventive maintenance Schedule, Special conditions of contract and Particular specifications etc. complete as required. The contractor shall engage minimum man power per day as per the particular specifications.	24.00	Months	70391.00	1689384.00
64.00	Providing laying, testing & commissioning of 200 mm. dia (wall thickness = 6.3 mm) 'C' class heavy duty MS Pipe conforming to IS 1239/3589 i/c fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. in ground including welding, excavation & providing cement concrete blocks as supports, anticorrosive treatment with coaltar/asphalt tape as per IS 10221, refilling the trench etc. of following sizes complete as required.	90.00	Mtr	4620.00	415800.00
65.00	Providing, laying, testing & commissioning of 200 mm dia (wall thickness 6.3 mm) 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required.	40.00	Mtr	3570.00	142800.00

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S.M.B.

Sl. No.	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
66.00	Comprehensive Maintenance contract of the intelligent addressable type Fire Detection and Alarm system alongwith all its associated accessories installed at MSSR building at yarada hills, by carrying out complete comprehensive maintenance, providing spares etc., & carrying out Preventive maintenance Inspections, attending to complaints / breakdowns, maintaining records by providing trained manpower, tools, consumables, cleaning materials etc. complete as required as per enclosed Preventive maintenance Schedule & OEM recommendations, Special conditions of contract and Particular specifications etc. complete as required. i. Quick Start Fire alarm panel - 1 no. ii. Smoke detector - 40 nos. iii. Heat detector - 2 nos. iv. Manual call point - 5 nos. v. Hooter - 5 Nos. (a) 1 year	1.00	Per Annum	31500.00	31500.00
67.00	Comprehensive Maintenance contract of the intelligent addressable type Fire Detection and Alarm system alongwith all its associated accessories installed at MSSR building at yarada hills, by carrying out complete comprehensive maintenance, providing spares etc., & carrying out Preventive maintenance Inspections, attending to complaints / breakdowns, maintaining records by providing trained manpower, tools, consumables, cleaning materials etc. complete as required as per enclosed Preventive maintenance Schedule & OEM recommendations, Special conditions of contract and Particular specifications etc. complete as required. i. Quick Start Fire alarm panel - 1 no. ii. Smoke detector - 40 nos. iii. Heat detector - 2 nos. iv. Manual call point - 5 nos. v. Hooter - 5 Nos. (b) 2 year	1.00	Per Annum	31500.00	31500.00


SULB

Sl. No.	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
68.00	Comprehensive Maintenance contract of the conventional type panel with auto dialler, Fire Detection and Alarm system alongwith all its associated accessories installed at various locations viz., CNS equipment rooms, Power house locations by carrying out complete comprehensive maintenance, providing spares etc., & carrying out Preventive maintenance Inspections, attending to complaints / breakdowns, maintaining records by providing trained manpower, tools, consumables, cleaning materials etc. complete as required as per enclosed Preventive maintenance Schedule & OEM recommendations, Special conditions of contract and Particular specifications etc. complete as required. No. of devices connected to each individual control panel are detailed in Particular Specifications. 1. Localizer-01 No 2. Glidepath-01 No 3. DVOR-01 No 4. Power house-01 No 5. Engg. Office-01 No 6. Edvor, Yarada-01 NO (a) 1 year	1.00	Per Annum	31500.00	31500.00
69.00	Comprehensive Maintenance contract of the conventional type panel with auto dialler, Fire Detection and Alarm system alongwith all its associated accessories installed at various locations viz., CNS equipment rooms, Power house locations by carrying out complete comprehensive maintenance, providing spares etc., & carrying out Preventive maintenance Inspections, attending to complaints / breakdowns, maintaining records by providing trained manpower, tools, consumables, cleaning materials etc. complete as required as per enclosed Preventive maintenance Schedule & OEM recommendations, Special conditions of contract and Particular specifications etc. complete as required. No. of devices connected to each individual control panel are detailed in Particular Specifications. 1. Localizer-01 No 2. Glidepath-01 No 3. DVOR-01 No 4. Power house-01 No 5. Engg. Office-01 No 6. Edvor, Yarada-01 NO (b) 2 year	1.00	Per Annum	31500.00	31500.00


SMC/

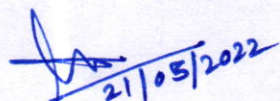
Sl. No.	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
70.00	Comprehensive Maintenance contract of the micro processor(intelligent type) controlled analogue addressable fire alarm control panel to accommodate above devices in loops with all accessories, solid state design, neatly wired painted as per standards with built in SMF batteries of reputed make. Arrangement for 24 hours back up time with battery charger and batteries.The panel have minimum following facilities Make: Honey well. Smoke detectors-137 Nos Heat Detectors- 04 Hooters-15 Nos. Beam Detectors-06 Nos Loop Isolators- 10 Nos Location : International Cargo Building. (a) 1 year	1.00	Per Annum	31500.00	31500.00
71.00	Comprehensive Maintenance contract of the micro processor(intelligent type) controlled analogue addressable fire alarm control panel to accommodate above devices in loops with all accessories, solid state design, neatly wired painted as per standards with built in SMF batteries of reputed make. Arrangement for 24 hours back up time with battery charger and batteries.The panel have minimum following facilities Make: Honey well. Smoke detectors-137 Nos Heat Detectors- 04 Hooters-15 Nos. Beam Detectors-06 Nos Loop Isolators- 10 Nos Location : International Cargo Building. (b) 2 year	1.00	Per Annum	31500.00	31500.00
72.00	Execution of DSR 2018 schedule item as and when required (Electrical Internal/External,Civil,Fire) for Rs. 2,00,000/- per year. [Note : The rate may be quoted in the following manner - (i) If quoted rate is Rs. 1,78,571/- (Against Rs. 2,00,000/-) then the percentage will considered as 0% above / below DSR 2018. (ii) If quoted rate is Rs. 1,60,714/- (Against Rs. 2,00,000/-) then the percentage will considered as 10% below DSR 2018. (iii) If quoted rate is Rs. 1,96,428/- (Against Rs. 2,00,000/-) then the percentage will considered as 10% above DSR 2018. (a) 1 year	1.00	LS	160714.00	160714.00

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Sl. No.	Description of Work / Item(s)	No.of Qty	Units	Rate	Amount
73.00	Execution of DSR 2018 schedule item as and when required (Electrical Internal/External,Civil,Fire) for Rs. 2,00,000/- per year. [Note : The rate may be quoted in the following manner - (i) If quoted rate is Rs. 1,78,571/- (Against Rs. 2,00,000/-) then the percentage will considered as 0% above / below DSR 2018. (ii) If quoted rate is Rs. 1,60,714/- (Against Rs. 2,00,000/-) then the percentage will considered as 10% below DSR 2018. (iii) If quoted rate is Rs. 1,96,428/- (Against Rs. 2,00,000/-) then the percentage will considered as 10% above DSR 2018. (b) 2 year	1.00	LS	160714.00	160714.00
Total :					12794549.50
Say :					12794550.00

(Rupees One Crore twenty seven lakhs ninety four thousand five hundred and fifty only)

* Note : Rates quoted are excluding GST, PF, ESI and Bonus.


 Senior Manager Engg. (Elect.)
 AAI / Visakhapatnam

Signature Not Verified

Digitally signed by MANOJ KUMAR SAHOO
 Date: 2022.10.13 10:07:33 IST
 Location: eProcurement System for Central PSUs