



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

Ref. No. AAI/RPR/AGM/ENGG(E)/ARMO/VO-07/2022-23/

Date: 03.11.2022

By Speed Post/E-mail

सेवा में/To,

मेसर्स सिनरियो सुविधा इंडिया प्रा लि.,
301, मारुति विहार, मोहबा बाजार कोटा,
रायपुर (छ.ग.)- 492001,

M/S Shinryo Suvidha Engineers India Pvt
Ltd, 301, Maruti Vihar, Mohba Bazar Kota,
Raipur, Chhattisgarh, 492001

कार्य का नाम:- "एस. वी. हवाई अड्डा रायपुर पर ई एण्ड एम प्रतिष्ठानों का एआरएमओ 2022-24।
उपशीर्ष: एस. वी. हवाई अड्डे पर सिटी साईड स्थापित टर्मिनल भवनों और
सहायक भवनों के ई एण्ड एम प्रतिष्ठानों के लिए वार्षिक संचालन निवारक
रखरखाव सेवा अनुबंध।"

**Name of work:- " ARMO 2022-24 of E & M Installation at S.V. Airport, Raipur. SH:
Annual Operation and Preventive Maintenance Job contract for E & M
installations of Terminal Buildings and ancillary buildings/ installations
Located on City Side at S. V. Airport, Raipur."**

संदर्भ/Ref:- आपकी ई.निविदा जो 17.09.2022 को खोली गई/ Your e- tender opened on
17.09.2022.

महोदय/ Sir,

1. उल्लिखित कार्य हेतु आपकी ई.निविदा के संबंध में आपके द्वारा उद्धरीत कुल रू. 2,73,84,692.00 (रूपये दो करोड़ तिरहत्तर लाख चौरासी हजार छः सौ ब्यानबे मात्र) (जी. एस. टी. रहित), जो कि आंकलन लागत राशि रू. 3,26,99,828.00 (रूपये तीन करोड़ छब्बीस लाख निन्यानबे हजार आठ सौ अठ्ठाईस मात्र) (जी. एस. टी. रहित) से (-)16.25 % कम है, को अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है।

Your e-tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the item rates quoted by you totaling of **Rs. 2,73,84,692.00 (Rupees Two Crore Seventy-Three Lakhs Eighty Four Thousand Six Hundred and Ninety Two Only)** (excluding GST), which is (-)16.25% below the estimated cost put to tender of **Rs. 3,26,99,828.00 (Three Crore Twenty-Six Lakhs Ninety Nine Thousand Eight Hundred and Twenty Eight Only)** (excluding GST).

2. सहा. महाप्रबंधक ;अभि-विद्ध, भाविप्रा, स्वामी विवेकानंदा हवाईअड्डा, रायपुर, उपरोक्त कार्य के प्रभारी होंगे। आपसे निवेदन है कि आप सहा. महाप्रबंधक ;अभि-विद्ध भाविप्रा, स्वामी विवेकानंदा हवाईअड्डा, रायपुर, के कार्यालय में दिनांक 15.11.2022 को उपस्थित रहकर हस्ताक्षर करने तथा करार की कार्यवाही पूर्ण करने का कष्ट करें। ठेका करार का निष्पादन एक सौ रूपए मूल्य के गैर अदालती स्टैम्प पेपर पर किया जाएगा तथा स्टैम्प पेपर का खर्च आपके द्वारा वहन किया जाएगा।

स्वामी विवेकानन्द एयरपोर्ट, रायपुर (छ.ग.)-492015
Swami Vivekananda. Airport. Raipur (CG)- 492015

दूरभाष-0771-2418224
Phone.- 0771-2418224



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

AGM Engg (E), AAI, Swami Vivekananda Airport, Raipur, shall be the Engineer – In-charge of the work. You are requested to attend the office of AGM Engg (E) AAI, Swami Vivekananda Airport, Raipur by **15.11.2022** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs. 100/- (Rupees one hundred only) and the cost of the stamp paper shall be borne by you.

3. ठेका प्रलेख के धाराओं के अनुसार आपके निविदा के साथ प्राप्त धरोहर राशि रुपये **6,53,997.00** (रुपये छः लाख तिरपन हजार नौ सौ सन्तानबे रुपए मात्र) को जमानत जमा के एक हिस्से के रूप में जमा माना जायेगा। कृपया इस कार्यादेश के जारी होने की तिथि से 10 दिनों के भीतर जमानत जमा के शेष रुपये **20,84,472.00** (रुपये बीस लाख चौरासी हजार चार सौ बहत्तर रुपए मात्र) इस कार्यालय में जमा कराये अन्यथा यह कॉट्रैक्ट डॉक्यूमेंट के धाराओं के अनुसार आपके चलित बिल से काटा जायेगा।

The Earnest Money amount of **Rs. 6,53,997.00 (Rupees Six Lakhs Fifty Three Thousand Nine Hundred and Ninety Seven Only)** received along with your tender will be treated and converted as part of security deposit as per condition of contract document. Please deposit **Rs. 20,84,472.00 (Rupees Twenty Lakhs Eighty Four Thousand Four Hundred and Seventy Two Only)** towards security deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted from your running bill as per conditions of the contract document.

4. आपसे अनुरोध है कि आप ठेका श्रमिक ;विनिमय एवं उन्मुलनद्ध अधिनियम 1970 के उपबन्धों का अनुपालन करें। साथ ही ठेका श्रमिक ;विनिमय एवं उन्मुलनद्ध केन्द्रीय नियमावली 1971 एवं केन्द्रीय एवं राज्य सरकारों के न्यूनतम वेतन तथा उससे सम्बन्धित अन्य नियमों का पालन करें।

You are requested to comply with the provision of Contract Labour (Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Central rules 1971 and minimum wages act and rules of Central and State Governments, with its upto date amendments thereof.

5. आपको यह भी निर्देश दिया जाता है कि आप प्रबंधक ;अभि.वि., भाविप्रा, स्वामी विवेकानंद हवाई अड्डा, रायपुर, से अविलम्ब सम्पर्क करें जो आपको कार्यस्थल सौंपेंगे।

You are also directed to contact Mgr. (Engg-E), AAI, S.V. Airport, Raipur, immediately who will arrange to hand over the site to you.

6. कृपया यह भी नोट कर लें कि निविदा के अनुसार कार्य निष्पादन हेतु अनुगत समय **24 (चौबिस)** महीने है जो कि **नवम्बर 2022** से माना जायेगा।

Please note that the time allowed for carrying out the work shall be **24 (Twenty Four)** months and same will be reckoned from **November'2022**.

7. इस ठेके से संबंधित किसी भी प्रकार के पत्र व्यवहार के लिए कार्य के प्रभारी को संबंधित करेंगे।

Any further correspondence in connection with the contract should normally be addressed to the Engineer – in- charge.

07.11.22
AAI (E)



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8. कृपया इस पत्र कि प्राप्ति सूचना दे तथा इसके साथ संलग्न अनुप्रति पर हस्ताक्षर करके टोकन के प्रतिग्रहण के रूप में अधोहस्ताक्षरी को वापस भेज दें।

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.

9. कार्यआदेश के संबंध में किसी प्रकार की टंकणीय त्रुटि/विसंगति होने पर अंग्रेजी संस्करण मान्य होगा।

With reference to this work order, if in case of any typographical mistake/discrepancy arise, the English version shall be applicable final.

धन्यवाद / Thanking you,
संलग्न / Encl: Schedule

भवदीय / Yours faithfully,

सहा. महाप्रबंधक (अभि-वि). / Asst. Gen. Manager [E-E]
एएआई, स्वामी विवेकानंदा, हवाई अड्डा, रायपुर / AAI, S.V. Airport, Raipur

सहा. महाप्रबंधक
Asst. Gen. Manager [E-E]
भा.वि.प्रा., एस.वी. अड्डा
AAI, S.V. Airport, Raipur

प्रतिलिपि (बाह्य):-

1. श्रम प्रवर्तन अधिकारी (केन्द्रीय) एल-7, डी/6, आदर्श सोसायटी, सेक्टर-1, अवन्ति विहार, रायपुर
2. क्षेत्रीय भविष्य निधि आयुक्त-1, कर्मचारी भविष्य निधि संगठन, (श्रम एवं रोजगार मंत्रालय, भारत सरकार), क्षेत्रीय कार्यालय छत्तीसगढ़, खंड-डी योजना नं. 32, इंदिरा गांधी व्यवसायीक परिसर, पन्डरी, रायपुर, (छ.ग.)

प्रतिलिपि (आन्तरिक):-

1. सहा. महाप्रबंधक (सतर्कता), पूर्वी क्षेत्र, भाविप्रा, एन.एस.सी.बी.आई. हवाई अड्डा, कोलकाता

आन्तरिक वितरण:-

(सूचनार्थ)

1. विमानपत्तन निदेशक, स्वामी विवेकानन्द हवाई अड्डा, रायपुर
2. महा. प्रबंधक (अभि-विद्युत), पूर्वी क्षेत्र, भाविप्रा, एन.एस.सी.बी.आई. हवाई अड्डा, कोलकाता
3. संयुक्त महा. प्रबंधक (अभि-विद्युत), पूर्वी क्षेत्र, भाविप्रा, एन.एस.सी.बी.आई. हवाई अड्डा, कोलकाता
4. उप महा. प्रबंधक (वित्त), स्वामी विवेकानन्द हवाई अड्डा, रायपुर
5. सहा. महा. प्रबंधक (अभि-सिविल), स्वामी विवेकानन्द हवाई अड्डा, रायपुर
6. सी.एस.ओ. (सुरक्षा), स्वामी विवेकानन्द हवाई अड्डा, रायपुर
7. वरिष्ठ प्रबंधक, (अभि-विद्युत), स्वामी विवेकानन्द हवाई अड्डा, रायपुर
8. प्रबंधक, (अभि-विद्युत), स्वामी विवेकानन्द हवाई अड्डा, रायपुर

सहा महाप्रबंधक (अ-वि). / ~~Asst. Genl. Manager [E-E]~~
एएआई, स्वामी विवेकानंदा, हवाई अड्डा, रायपुर / ~~AAI, S.V. Airport, Raipur~~
भा.वि.प्रा. एन. / ~~AAI, S.V. Airport, Raipur~~



**AIRPORTS AUTHORITY OF INDIA
SWAMI VIVEKANANDA AIRPORT, RAIPUR
ENGINEERING ELECTRICAL WING**

SCHEDULE OF QUANTITIES

Name of Work:- "ARMO 2022-24 of E & M Installation at S.V. Airport, Raipur. SH: Annual Operation and Preventive Maintenance Job contract for E & M installations of Terminal Buildings and ancillary buildings/ installations Located on City Side at S. V. Airport, Raipur during 2022-24."

Sl. No.	Description of Item	Unit	Qty.	Rate	Amount
1	Job contract for Operation and Maintenance (both preventive and breakdown) of various Electrical & Mechanical installations of NITB, OTB, Service Block, New ATC cum Technical Block, STP, Residential Colony, Car Parking Area, Ancillary Buildings/offices in city side consisting of Internal & External installations, 33/0.433 kV Substation, 200 KLD STP, Water pumping system, etc. i/c operation of Escalators, Elevators & Conveyor Belts along with tools and plants required etc. in shifts on all days including Sundays and public holidays complete as required as per terms and conditions of the contract. (**Total Manpower Not less than 57 nos. Including Reliever)	Months	24	10,77,083.00	2,58,49,992.00
2	Annual Maintenance contract Of 200 KLD STP comprising of both preventive and breakdown maintenance along with replacement of worn out /defective components including consumables/ chemicals/ spares such as chlorine dosing, grease filling gasket replacement etc. complete etc. as required.	Months	24	6,000.00	1,44,000.00
3	Providing Overhauling of 200 KLD STP including replacement of multi media filter, activated carbon filter, mbbf media, bacteria, strainer, rubber gasket, nut bolts etc, alongwith carrying out the quarterly testing of treated water from CSPCB approved lab to meet the requirements as per the environmental consent and as per design data etc complete as required as per the terms and special conditions of the contract. Approximate Quantity of Material: Multi Media Filter - 600 KG, Activated Carbon Filter - 200 KG, MBBR Media - 4 Sq. Feet, Rubber Gasket - 4 Piece, Nut Bolt - 25 KG, Bacteria - 2 KG, Strainer - 200 Each.	Job	2	15,000.00	30,000.00
4	Overhauling of the Multigrade Sand Filter, Dual Media Filter with Multigrade quartz sand and anthracite (Capacity : 27600 LPH, Filtration : 18-20 Cum/sqm/hrs.) and Water Softener having media for softener with cation exchange resin, brine tank. (Inlet : upto 400 ppm, Outlet : Commercial zero (<5ppm)) capacity : 13200 LPH)	Job	1	15,000.00	15,000.00
5	Complete items of CPWD Schedule of Rates - 2018. Executions of DSR items 2018 of amount Rs. 1,00,000/- (Rate shall be quoted in % age above/below which shall be excluding GST).	Rs.	2,00,000.00	1.00	2,00,000.00

08.11.24

Sl. No.	Description of Item	Unit	Qty.	Rate	Amount
6	Servicing of following 33 KV / 0.433 KV Circuit Breakers alongwith carrying out the maintenance/service as per the manufacturers recommendations and submission of service reports etc., twice during the contract period complete as required.				
a)	33KV, 1250 A, SF6/VCB Circuit Breakers (ABB/ L&T Make)	Job	9	3,000.00	27,000.00
b)	Upto 1600 A, Air Circuit Breakers (L&T / ABB Make)	Job	19	1,000.00	19,000.00
c)	2000 A to 2500 A, Air Circuit Breakers (L&T)	Job	23	1,000.00	23,000.00
7	Testing & Calibration of following protective relays fitted in the 33 kV cubicle panels by using secondary and primary injection kit including submission of test report etc., Twice during the contract period as required.				
a)	Differential Relay (ABB, Model: RADS8IMYN 745031-A)	Each	3	3,000.00	9,000.00
b)	OC / EF Relay (L&T, Model No.: MC61A)	Each	4	500.00	2,000.00
c)	Master Trip Relay (ABB, Model: 1MYN563613BAC)	Each	4	500.00	2,000.00
d)	Trip Circuit Supervision Relay (ABB, Model: 1MYN 569697-B)	Each	5	500.00	2,500.00
e)	Auxiliary Relay (ABB, Model: Type CV2 DLT)	Each	9	500.00	4,500.00
f)	Tripping Relay (ABB, Model: RTNO1MYN - 563613 BAC)	Each	1	500.00	500.00
g)	FDR Port Relay (ABB, Model: REJ601)	Each	1	2,000.00	2,000.00
h)	Relay Combiflex (ABB, Model: 1MYN-560004-A)	Each	1	2,000.00	2,000.00
i)	IDMT Feeder Protection Relay (Siemens &SR1003-KA20-2CA0/DD)	Each	4	2,000.00	8,000.00
j)	Transformer Auxiliary Relay (Ashida AVA33-AM-021)	Each	4	500.00	2,000.00
8	Testing & Calibration of following protective relays fitted in the 415 V cubicle panels by using secondary and primary injection kit including submission of test report etc., Twice during the contract period as required.				-
a)	O/C - E/F Relay (L&T, Model No.: MC12A & MC31A)	Each	13	1,000.00	13,000.00
b)	Reverse Power Relay (L&T, Model No.: MRP11)	Each	4	1,000.00	4,000.00
9	Inspection, Testing, adjusting, preventive maintenance of 33/0.433 KV, 1600 KVA VOLTAMP make oil cooled transformer to assess the overall healthiness of the transformer by OEM i/c Overhauling of OLTC, checking, adjusting of RTCC and submission of reports etc. complete as required. Dehydration/Filtration of transformer oil to attain acceptable di-electric strength by hot streamline process for the oil cooled transformers, voltage regulators/stabilizers including transportation of equipment, Trial of Tap changer electrical and mechanical operation, refilling of Transformer Oil, OLTC to converter level submission of test reports etc. as required. (Tentative Qty. of Each Transformer 1955 ltrs.) As required. Supply & top up of transformer oil for transformer, voltage regulator/OLTC/stabilizers as required.	Jobs	3	10,000.00	30,000.00
10	Supply of new transformer oil for transformer, OLTC as required having relevent IS standard.	Ltrs.	2500	55.00	1,37,500.00
11	Supply & Replacement of Silica Gel Breather for Voltamp make 33/0.433KV, 1600 KVA Transformers.	Each	5	1,500.00	7,500.00

Handwritten signature and date:
 05.11.22
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Sl. No.	Description of Item	Unit	Qty.	Rate	Amount
12	Supply of following spares for the OLTCs of 33/0.433 KV, 1600 KVA Transformers, as per requirement. a) Supply of Fixed Contact -10.00 b) Supply of Main Moving Contacts-3.00 c) Supply of Top/bottom cover gasket-3.00 d) Supply of Transition Resistance-3.00 e) Supply of Silica Gel Breather-3.00 f) Supply of Gasket Sheet(6 MM Thickness, 915mm Length)-3.00 g) Supply of Oil seal for Mechanism Centre shaft-3.00	Each	2	45,000.00	90,000.00
13	Inspection, Testing, adjusting, preventive maintenance of 33/0.433 KV, 800 KVA VOLTAMP make dry type transformer to assess the overall healthiness of the transformer by OEM i/c Overhauling of tap changer, checking, adjusting of RTCC and submission of reports etc. complete as required. Trial of Tap changer electrical and mechanical operation, submission of test reports etc. as required.	Each	2	4,000.00	8,000.00
14	Spray painting of electrical panels, feeder pillar box, DBs, metal structures, members, equipments etc., with two coats of synthetic enamel paint of approved colour (all shades except black or chocolate shade) by using spray gun to give an even shade including cleaning the rusted area, scrapping of surface, applying metal primer on rusted surface, covering of meters, switches, glass etc. with masking stickers etc., as required.	Sqm	15	300.00	4,500.00
15	Painting of following MS street light pole, using one coat of metal primer on rusted surface and two coats of approved aluminium paint including scrapping and thoroughly cleaning the surface, as required as per the directions of Engineer- in-Charge.				
a)	12 Mtr. Street light poles (including round bracket)	Each	12	500.00	6,000.00
b)	9 Mtr. Street light poles (including upto 1.5 meter arm bracket)	Each	189	400.00	75,600.00
c)	4 Mtr. Street light poles (including upto 1.5 meter arm bracket)	Each	37	300.00	11,100.00
16	Lifting and lowering of upto 10 HP submersible motor along with column pipe detaching one length of column pipe from rest of column pipe by opening nut and bolts in this manner taking out entire pump system and lowering of entire pump system in the reverse order of the above process including chain block and supporting pipes transportation, testing and commissioning etc as required (up to 3 inch G.I. Pipe).	Job	10	2,000.00	20,000.00
17	Rewinding and overhauling of ceiling fans of size upto 1400mm sweep with copper winding, replacement of bearings as required including assembling testing, transportation charges etc. (old/burnt copper need not to be returned).	Each	20	300.00	6,000.00


 03.11.22
 Anil B.

Sl. No.	Description of Item	Unit	Qty.	Rate	Amount
18	Rewinding and overhauling of submersible pump of power upto 5HP with copper winding, replacement of bearing, lead cable etc. as required including assembling testing, to and fro transportation from the site to workshop etc. (old/burnt copper need not to be returned).	Each	5	2,000.00	10,000.00
19	Repairing of Hand Drier including replacement of heating coil, sensor and other associated accessories etc. as required.	Each	20	800.00	16,000.00
20	Supply of Matt finish, 304 grade Stainless steel automatic, touch free infrared activated type wall mounting Hand dryer suitable for 230 V, 50 HZ, 1 Ph supply as required. (Make: Euronics, Model: EH27 or Technocrats T 107 SS or equivalent)	Each	10	2,000.00	20,000.00
21	Supply of Indian National Flag of size 20ft x 30ft. in 100% knitted polyester (140gsm), with reinforced super strong nylon webbing on all 3 sides & rope/toggle sleeve.	Each	5	11,000.00	55,000.00
22	Providing 01 No. Vehicle i.e. TATA Sumo/Mahindra Bolero, Mahindra Camper or Equivalent, Vehicle model or as per direction of Engineer-in-charge for full month including Saturday, Sunday and all national holidays without driver in two shifts per day (One shift of 08 Hrs. total 16 Hrs.) for each vehicle with fuel expenses, minor and major maintenance etc. has to be carried out by agency without any delay, limited to 1200 Kms per vehicle per month as per condition of contract.	Months	24	22,000.00	5,28,000.00
			Total		2,73,84,692.00

(Rupees Two Crore Seventy Three Lakhs Eighty Four Thousand Six Hundred and Ninety Two Only)


 03.11.22
 (Pramo Soni)

Asst. Gen. Mgr. (Engg-E)
 AIJ, Swami Vivekananda Airport, Raipu