



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

Ref. No. AAI/RPR/ENGG (E)/CW/WO-07/2020-21/ **43-52**

Date: 22.02.2021

By Speed Post/E-Mail

सेवा में,

मेसर्स बालाजी इंजीनियरिंग,
फ्लैट नं. 18, 3rd फ्लोर, क्वीन्स कास्टल,
7th स्ट्रीट, लक्ष्मी नगर, नंगानालुर,
चेन्नई-600061

M/s Balaji Engineering,
Flat No.18, 3rd Floor, Queens Castle,
7th Street, Lakshmi Nagar, Nanganallur,
Chennai-600061

कार्य का नाम:- स्वामी विवेकानन्द हवाई अड्डा, रायपुर पर रनवे-24 का विस्तार सी-श्रेणी के विमान और अन्य संबंधित कार्यों के लिए उपर्युक्त एप्रन का विस्तार।

उपशीर्ष:- CAT-I एप्रोच और रनवे लाइटिंग सिस्टम के लिए विद्युत कार्य।

Name of work:- Extension of runway at 24 beginning, expansion of apron suitable for C-category of aircraft and other associated works at S.V. Airport, Raipur. SH:- Electricals works for CAT-I Approach and Runway Lighting system.

संदर्भ/Ref:- आपकी ई-निविदा जो 12.02.2021 को खोली गई/ Your e- tender opened on 12.02.2021.

महोदय/ Sir,

- उल्लिखित कार्य हेतु आपकी ई-निविदा के संबंध में आपके द्वारा उद्धरीत कुल रु. 56,63,650.00 (रुपये छप्पन लाख त्रैसठ हजार छः सौ पच्चास मात्र) (जी. एस. टी. रहित), जो कि आंकलन लागत राशि रु. 85,87,879.00 (रुपये पच्चासी लाख सत्तासी हजार आठ सौ उन्यासी मात्र) (जी. एस. टी. रहित) से 34.05% 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. 56,63,650.00 (Rupees Fifty Six Lakhs Sixty Three Thousand Six Hundred Fifty only)** excluding GST, which is **34.05% below** the estimated cost put to tender of **Rs. 85,87,879.00 (Rupees Eighty Five Lakhs Eighty Seven Thousand Eight Hundred Seventy Nine only)** excluding GST.
- सहायक महा प्रबंधक (अभि -वि), भाविप्रा, स्वामी विवेकानंदा हवाई अड्डा, रायपुर, उपरोक्त कार्य के प्रभारी होंगे। आपसे निवेदन है कि आप सहायक महा प्रबंधक (अभि -वि) भाविप्रा, स्वामी विवेकानंदा हवाई अड्डा, रायपुर, के कार्यालय में दिनांक 04.03.2021 तक 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।

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 04.03.2021 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.

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

दूरभाष-0771-2418044
Phone.- 0771-2418044

AGM(EE)



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

3. आपसे अनुरोध है कि इस पत्र के जारी होने की तारीख से 10 दिनों के भीतर सुरक्षा राशि जो टेंडर राशि के @10% हैं को प्रस्तुत करें, अन्यथा अनुबंध के पृष्ठ 54 पर शर्त के अनुसार आपके बिल से काटा जाएगा
You are requested to furnish Security Deposit @ 10% of tender amount within 10 days from the date of issue of this letter failing which same will be deducted as per condition on page 54 of contract document from your bill.

4. आपसे अनुरोध है कि आप ठेका श्रमिक (विनियम एवं उन्मुलन) अधिनियम 1970 के उपबन्धों का अनुपालन करें। साथ ही ठेका श्रमिक (विनियम एवं उन्मुलन) 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 कनिष्ठ कार्यपालक (अभि-वि), भाविप्रा, स्वामी विवेकानंदा हवाई अड्डा, रायपुर (मो. नं. - 9990521510), से अविलम्ब सम्पर्क करें जो आपको कार्यस्थल सौंपेंगे।

You are also directed to contact JE (Engg-E), AAI, S.V. Airport, Raipur (Mob. No.- 9990521510), 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 08 (आठ) महीने है जो दिनांक **01.04.2021** से माना जाएगा।

Please note that the time allowed for carrying out the work shall be 08 (Eight) months and same will be reckoned from **01.04.2021**.

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.

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 prevail.

धन्यवाद / Thanking you,
संलग्न / Encl: Schedule

भवदीय / Yours faithfully,

22/02/2021

सहायक महा प्रबंधक (अ-वि). / Assistant General Manager [E-E]
एएआई, स्वामी विवेकानंदा, हवाई अड्डा, रायपुर / AAI, S. V. Airport, Raipur



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

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 व्यवसायिक परिसर, पन्डरी, रायपुर, (छ.ग.)

प्रतिलिपि (आन्तरिक):-

1. संयुक्त महाप्रबंधक (अभि.-विद्युत), पूर्वी क्षेत्र, भाविप्रा, एन.एस.सी.बी.आई. हवाई अड्डा, कोलकाता
2. उप 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. सहा. महाप्रबंधक, (अभि-सिविल)-1, स्वामी विवेकानन्द हवाई अड्डा, रायपुर
3. उप महाप्रबंधक (वित्त), स्वामी विवेकानन्द हवाई अड्डा, रायपुर
4. वरिष्ठ प्रबंधक, (अभि-वि), स्वामी विवेकानन्द हवाई अड्डा, रायपुर
5. कनिष्ठ कार्यपालक, (अभि-वि), स्वामी विवेकानन्द हवाई अड्डा, रायपुर

प्रशांत
22/02/2021

सहायक महा प्रबंधक (अ-वि). / Assistant General Manager [E-E]
एएआई, स्वामी विवेकानंदा, हवाई अड्डा, रायपुर / AAI, S. V. Airport, Raipur

Airports Authority of India
Swami Vivekananda Airport, Raipur

Schedule of Quantities

Name of Work:- Extension of runway at 24 beginning, expansion of apron suitable for C-category of aircraft and other associated works at S.V. Airport, Raipur. SH:- Electricals works for CAT-I Approach and Runway Lighting system.

S. No.	Item Description	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
1	Supplying and laying of following size HDPE pipe (PN8, PE 80 grade) ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS:14930, Part II complete with fitting and cutting, jointing etc. direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.				
(a)	50 mm dia (OD-50 mm)	Meter	13900	175.00	2432500.00
2	Supply of following size 5KV grade PVC/XLPE insulated & PVC sheathed stranded copper conductor single core Airport lighting cable confirming IS:1554 (Part-II)/IS 7098 (Part-II) with upto date amendment and confirming to particular specification etc. as required.				
(a)	1C x 6 sqmm.	Meter	2400	85.00	204000.00
3	Laying of one number PVC/ XLPE insulated and PVC sheathed / XLPE power cable of 5 KV grade of following size in the existing RCC/ HUME/ METAL pipe/ HDPE Pipe as required.				
(a)	1C x 6 sqmm.	Meter	10900	25.00	272500.00
(b)	1C x 16 sqmm.	Meter	4800	25.00	120000.00
4	Supply of following type 5KV grade 50 HZ, series type Isolating transformer encapsulated in polyster resin finally moulded in neoprene rubber with primary and secondary connection as specified in particular specifications.				
(a)	20A/6.6A of 150 W	Each	9	4500.00	40500.00
(b)	20A/6.6A of 200 W	Each	2	4500.00	9000.00
(c)	6.6A/6.6A of 200 W	Each	14	4500.00	63000.00
5	Supply of following 5KV grade plug & receptacle (essna connector) of type-1 class B connector & suitable field attachment suitable for following size 5KV grade PVC insulated PVC sheathed single core stranded copper conductor cable confirming to IS:1554 (Part-II) with upto date amendment.				
(a)	16 Sq.mm	Set	50	400.00	20000.00
6	Making field connections by crimping of 6/16 sq.mm. plug & receptable with existing 6/16 sq.mm. single core PVC Cu. Conductor cable including filling the gap with water sealent material applying PVC insulation tape etc. complete as required.	Set	253	200.00	50600.00
7	ITC of bi-directional & Omni-directional elevated high intensity/ medium intensity halogen/LED type runway edge light fitting, runway threshold light, turning pad light and taxi light on the existing tranformer (C.I.) housing boxes including installation of transformer, lens, lamps gasket, nut bolts, lens holding clamp and other accessories i/c alignment, levelling, isolating transformer connection, earth connection etc. all complete as required.	Each	106	500.00	53000.00
8	ITC of inset type fixtures after adjusting the existing cut out suitable for fixing the fixture in the rigid pavement area of Rwy/RESA using DOBEFIL-60 or equivalent sealant and hardener i/c connection with secondary cable, transformer etc, complete as required.	Job	4	10000.00	40000.00
9	ITC of elevated type Approach light fitting on the existing tranformer housing boxes including installation of transformer, lens, lamp gasket, nut bolts, lens holding clamp and other accessories i/c alignment, levelling, isolating transformer connection, earth connection etc. complete as required.	Each	118	500.00	59000.00


 22/02/2021
 AGM(EE)

S. No.	Item Description	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
10	Supply of C.I. Isolating Transformer housing box, water tight round type, metal container of outside size 330mm height 450mm made of 10mm thick cast iron moulding suitable to receive a light fitting base plate on the top and underground housing associated with transformer power cable and having a clear hole centre at one side surface centre 75mm above bottom surface suitable to receive one /two nos. of 50mm dia "B" class GI pipe and including check nuts as required and another hole at 175mm from the bottom of the CI Box to receive one no. 15mm dia "B" class GI pipe and check nut as required. The box should have two SS earth bolts of M10 x 30mm tapped inside near the hole (4" away from the hole centre) and having a drain hole at the bottom suitably tapped to receive 15mm dia "B" class GI pipe and having clear opening of 220 mm at the top surface and 6 nos. M10 tapped hole at the hole centre 260 mm to receive fitting base plate and bolts complete as required.				
(a)	Double hole type	Each	16	4500.00	72000.00
11	Installation of C.I. housing boxes with a base concrete of 1:3:6 of size 630 x 630 x 100 mm thick all round concrete of 1:2:4, 150mm thick, the top sloped with 1:2:4 cement concrete including providing and fixing 250 mm long 15mm dia "B" class GI pipe with check nut for drainage of water including excavation of side shoulder and refilling (wherever the transformers boxes are to be installed in a line the same has to be aligned in such a way that the centre fall in a straight line) etc. complete as required.	Job	143	2000.00	286000.00
12	Supply and installation of C.I. box round type metal container of outside dia 330 mm, 150 mm height made from 10 mm thick cast iron moulding, 15 mm thick cast iron moulding for top surface having clear opening of 220 mm to at top surface, having 6 nos. M-10 tapped hole at the hole Centre 260 mm to receive elevated light fixtures. One hole at 100 mm from top shall be provided for fixing of 25 mm G.I. pipe and 2 nos. tapped holes shall be provided on opposite faces of box for receiving M-10 bolts. The box shall be installed by core cutting of existing RWY pavement and using DOBEFIL-60 or equivalent sealant and hardener for fixing including drilling of pavement base upto a depth of 400 mm i/c providing and fixing 15 mm GI pipe in the bottom tapped hole of the box for draining out condensed water complete as required.	Each	5	5000.00	25000.00
13	Cleaning of the existing C.I. Transformer housing box which is installed in the runway pavement, cleaning of G.I. pipes from C.I. Box to earth area by manual/ mechanical means, applying one coat of metal primer on the inside surface of C.I. box and after its drying, painting with black colour synthetic enamel paint complete as required as per direction of Engineer-In- Charge.	Each	104	250.00	26000.00
14	Supply and fixing M-S plate with 15 mm thickness, 330 mm dia having 6 nos. M-10 tapped hole at the hole centre of 260 mm on the C.I. box i/c providing 6 nos. M-10 x 25 mm SS bolts with plane and spring washers. The plate shall be chemically treated and painted with one coat of metal primer and 2 coats of black synthetic enamel paint complete as required.	Each	35	1250.00	43750.00
15	Numbering/nomenclature of the existing Rwy/Taxiway/Turning Pad/Isolation Bay/Apron Edge Light fittings after providing a round background of 4" dia with Aviation Yellow synthetic enamel paint and numbering with Black synthetic enamel paint on it complete as required as per the direction of Engineer-in-charge.	Each	143	100.00	14300.00
16	Installation of 04 nos. PAPI units (01 set) including civil work such as excavation & casting of cement concrete (1:2:4) foundation of required size as per OEM guidelines for PAPI unit & check stick points, suitable MS frame, SS foundation nut & bolts etc. complete job as per the direction of Engineer-in-charge.	Job	1	100000.00	100000.00
17	Supply of 2x2.5 Sq.mm copper conductor PVC insulated and PVC sheathed, voltage grade - 650 volt secondary lead used for inset light fitting.	Meter	420	125.00	52500.00


 22/02/2021
 A.G.M.(EE)

S. No.	Item Description	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
18	Excavation of the cable trenches in hard rock not exceeding 1.5 meter in width, and lift upto 1.5 meter, including getting out the excavated soil and disposal of excavated soil as directed within a lead of 50 meter.	Cum	50	750.00	37500.00
19	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.	Meter	13580	25.00	339500.00
20	Providing, laying and fixing following dia G.I. pipe (Medium Class (B)) in ground complete with G.I. fittings including trenching (75 cm deep) and re-filling etc as required				
(a)	50 mm dia.	Meter	36	500.00	18000.00
(b)	15 mm dia.	Meter	120	300.00	36000.00
21	Supply and fixing of 300 mm long G.I. pipe (Heavy Class (C)) in the existing C.I. Boxes with proper check nuts including threading and cutting etc. complete as required.				
(a)	50 mm dia.	Job	254	250.00	63500.00
(b)	15 mm dia.	Job	254	150.00	38100.00
22	Earthing with G.I. Earth Pipe 4.5 mtr. long 40 mm dia 'B' class i/c accessories (with charcoal /coke and salt) and providing C. I. box round type metal container of outside dia 330 mm, 450 mm height made from 10 mm thick cast iron moulding all round except in the top surface which is 15 mm thick and having clear opening of 220 mm at top and bottom surface, having 6 nos. M-10 tapped hole at the hole Centre 260 mm to receive C.I./ M.S. base plate with SS bolts as required. One hole at 150 mm from top shall be provided for fixing of 15 mm G.I. pipe. This box will act as the enclosure for earth electrode. This box will be mounted on base concrete of 1:3:6 of size 630x630x100 mm thick and all round concrete of 1:2:4, 150 mm width upto the C.I. box top. The top of the box shall not protrude more than 25 mm from the existing ground level and the top elevation of the box shall be evenly sloped all round using 1:2:4 cement concrete, complete as required.	Job	14	6000.00	84000.00
23	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	Meter	84	100.00	8400.00
24	Supply, installation, testing, commissioning of Guidance signage board (IP 65 protection) complying ICAO standard of various sizes fabricated from anodized aluminium profile structure & 2 mm thick aluminium sheet, 4mm thick non-specular surface polycarbonate signage sheet, symbols of sign shall be made of self-adhesive 3M film applied on face of polycarbonate sheet and All reflector sheet for light reflection if required. Board shall be illuminated with linear LED's & driver(s) i/c all other accessories, suitable converter to operate on 2.8 Amp to 6.6 Amp AC constant current as incoming supply, mounting legs with breakable coupling & base frame, crimping & molding secondary leads with connector kit of OEM approved, supply & laying of PVC coated GI flexible pipe with couplers for protecting secondary leads, providing cement concrete foundation of suitable size & depth for each unit, providing pedestal up to 1.5mtr all around the signage with 1:2:4 CC of 150mm thick & finish with neat cement plaster, connections / interconnections with isolating transformers complete as required and confirming to tenders technical specifications etc. complete as required.	Sq. mtr.	8	35000.00	280000.00
	NOTE: - Supply of Isolating transformers, ESNA connections, secondary cables & transformer housing boxes are not covered in this item, the same shall be measured and paid under separate items.				
25	Installation of 50mm dia Aluminium approach light fitting holding pipe including making necessary threading, cutting & drilling for fixing of approach fittings at the top and other end to base plate suitable to withstand wind speed of 39m/s as per IS:875 etc complete as required as per site condition.	Job	100	3000.00	300000.00
26	Providing professional services for taking levels of existing surfaces, distance coded pin-pointing for installation of fixtures using latest technology based equipment's as per the approved drawings and direction of Engineer-In-Charge.	Job	1	25000.00	25000.00


 22/02/2021
 AGM (EE)

S. No.	Item Description	Unit	Qty.	Rate (Rs.)	Amount (Rs.)
27	Providing and laying graded granular material (Moorum) in trenches, plinth, side of foundation etc. in layers not exceeding 20 cm in depth, consolidation each deposited layer by ramming and watering including all leads and lifts as per site requirement etc. complete as required upto the satisfaction of Engineer-In-Charge . (Rate inclusive of royalty charges of Moorum and payment to be made for compacted quantity only)	cum	100	500.00	50000.00
28	Excavation for foundation in soft soil including dressing of sides and ramming of bottoms, lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 metres.	cum	160	250.00	40000.00
29	Providing and laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in foundation of pump, DG set etc including form work etc as required.	cum	60	6000.00	360000.00
Total					5663650.00

Rupess in word: Fifty Six Lakhs Sixty Three Thousand Six Hundred Fifty Only.


22/02/2021
 Asst. Gen. Manager (E-E)
 Airports Authority of India
 S.V. Airport, Raipur