



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA
शिमला हवाई अड्डा, शिमला (हि. प्र.)
SHIMLA AIRPORT, SHIMLA (H.P.)



पत्र संख्या : भा:- AAI/SML/E-E/T.Pad/W.O./20-21/D01 545-551

दिनांक: 21.06.2021

Work Order / कार्य आदेश

सेवा में,

To,

मेसर्स अनिल कुमार शर्मा
548/2 कलोनल कॉलोनी, नरवाल पैन, सतवारी,
जम्मू कांत, जम्मू एंड कश्मीर-180003

M/s M/s Anil Kumar Sharma.
548/2 Colonel Colony, Narwal Pain, Satwari
Jammu Cant, Jammu and Kashmir-180003

Subject: "Construction of Turning pad at Runway 14 i/c Provision of Inset Light at Thresholds of RWY 14/32 at Shimla Airport. (Sh : Electrical works)".

संदर्भ : Tender No:- 2021_AAI_75498_1

महोदय/Dear Sir,

1. उपरोक्त कार्य हेतु आपका कोटेशन अध्यक्ष भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है आपके द्वारा कोट किए गए मद मूल्यों पर आपकी कुल राशि रु. 33,45,060/- (Excluding GST) (रु तैतीस लाख पैतालिस हजार साठ) है जोकि जायज लागतरु. 37,68,829.00/- (Excluding GST) से 11.24% कम है।

Your quotation for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India at the items rates totaling to Rs. 33,45,060.00/- (Excluding GST) (Rs. Thirty Three Lakhs, Fourty Five Thousand & Sixty Only), which is 11.24% below the justified cost put to the tender of Rs. 37,68,829.00.00/- (Excluding GST).

2. व० प्रबन्धक (ई.-विद्युत्), O/o विमानपत्तन निदेशक, एयरपोर्ट अथॉरिटी ऑफ इंडिया, जुब्वडहट्टी एयरपोर्ट, शिमला-171011 इस कार्य के प्रभारी अभियंता होंगे।

SM (Engg-Elect), O/o Airport Director, Airports Authority of India, Jubberhatti Airport, Shimla-171011 will be Engineer-in-Charge of the work.

3. आपसे निवेदन है कि आप केंद्रीय एवं राज्य सरकारों के 1970 के अधिनियम अनुबंध श्रम नियम तथा 1971 के केंद्रीय नियम (नियम तथा उन्मूलन) तथा केंद्र एवं राज्य सरकार के न्यूनतम वेतन अधिनियम और नियमों के प्रावधानों का अनुपालन करें।

You are requested to comply with the Provisions of Contract Labor (Regulation & Abolition) Act of 1970 and Contract Labor (Regulation & Abolition) Central Rules 1971 and Minimum Wages Act & Rules there of Central and State Governments.

4. आपको निर्देश दिया जाता है कि आप व० प्रबंधक (इंजी-विद्युत्), शिमला विमानक्षेत्र से मिलें और वह साइट सौंपने की व्यवस्था करेंगे। कृपया नोट करें कि कार्य का निर्धारित समय तीन महिना है, जो कि दिनांक 01.07.2021 से गिना जाएगा।

[Signature]
21/06/2021
SM(E-E)

Cont... 2/-



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AIRPORTS AUTHORITY OF INDIA
शिमला हवाई अड्डा, शिमला (हि. प्र.)
SHIMLA AIRPORT, SHIMLA (H.P.)



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You are directed to contact Sr. Manager (E-E), Shimla Airport who will arrange to Handover the site to you. Please note the time allowed for carrying out the work is **03 Month** which shall be reckoned from 01.07.2021

5. इस कार्य के सम्बन्ध में आगे का कोई भी पत्राचार व०प्रबन्धक(ई.-विद्युत्), O/o विमानपत्तन निदेशक, एयरपोर्ट अथॉरिटी ऑफ इंडिया, जुबेरहट्टी एयरपोर्ट, शिमला-171011 के पते पर किया जाए।

Any further correspondence in connection with this work should normally be Addressed to SM (E-E), O/o Airport Director, Airports Authority of India, Jubberhatti Airport, Shimla-171011.

6. निवेदन है कि आप करारनामे पर हस्ताक्षर करने हेतु कार्यआदेश के जारी होने से पंद्रह दिनों के अंतर्गत किसी भी कार्य दिवस में विमानपत्तन निदेशक का कार्यालय, जुबेरहट्टी विमानक्षेत्र, शिमला, हिमाचल प्रदेश - 171011 पर उपस्थित हों एवं करारनामे को पूरा करें। ठेके का कारनामा रु० 100/- के नॉन जुडिशल स्टाम्प पेपर पर निष्पादित किया जायेगा तथा पेपर का खर्च आपके द्वारा उठाया जायेगा।

You are requested to attend the Office of Airport Director, Jubberhatti Airport, Shimla, and Himachal Pradesh 171011 to sign and complete the agreement within 15 days of issuing of this work order. The contract agreement shall be executed on a Non-Judicial Stamp paper of Rs. 100/- and the cost of the stamp paper shall be borne by you.

7. आपको पहला एवं अंतिम भुगतान की अनुमति दी जाएगी। किए गये कार्य के कुल मूल्य का दस प्रतिशत बिल से सुरक्षा भुगतान के रूप में काट लिया जायेगा। सरकार के दिशानिर्देशों के अनुसार कोई अन्य कटौतियां (यदिहोतो) की जाएगी।

You will be allowed First and Final payments. Ten percent of total value of work Done shall be deducted as security deposit from the bill. Any other deductions (if Any) as per govt. guidelines will be done.

8. उपरोक्त संदर्भित सभी पत्र इस ठेके का भाग होंगे।

All The letters referred above shall form part of contract.

9. कृपया पावती भेजें।

Please acknowledge the receipt.

Vijender Singh Dahiya
21/06/2021

(विजेन्द्र सिंह दहिया /Vijender Singh Dahiya)

व०प्रबन्धक (ईजी - विद्युत्) /Sr Manager (E-E)

शिमलाविमानक्षेत्र / Shimla Airport.

संलग्न : शेड्यूल आफ क्वांटिटी

Enclosed: Schedule of Quantity

Cont... 3/-

Schedule of Quantity

Name of Work : Construction of Turning pad at Runway 14 i/c Provision of Inset Light at Thresholds of RWY 14/32 at Shimla Airport.(Sh : Electrical works)

SN	Brief Description	Qty	Unit	Rate	Amount
1	2	3	4	5	6
1	Supply of elevated type MIRL fitting for taxiway/Apron with ALED lamp, complete with lens support mechanism lens clamping mechanism pre focus lamp holder, control column assembly Breakable coupling gasket, two pin leads, base with 6 no M-10 stainless steel bolts, spring & plain washer & other accessories with omnidirectional blue lens with 45 W Halogen lamp complete as reqd.	46	Each	4500.00	207000.00
2	Supply of Inset type Bidirectional Threshold cum end light fitting with 105 watts, 6.6 Amps halogen lamp, lamp holder with bottom box, prism / filter, neoprene gasket for two pin secondary lead and other accessories etc as per specification given and complete as required to meet latest ICAO requirement	26	Each	60000.00	1560000.00
3	Supply of following sizes 5 KV grade dry type Plug and Receptacle of type I, class 'B' primary connector kit with field attachment and suitable for 5 KV grade single core copper conductor, copper braided, XLPE insulated PE outer sheathed shielded cable, complete as required confirming to the technical specification.	-----	-----	-----	-----
	(i) 16 sqmm	110	Set	300.00	33000.00
	(ii) 6 sqmm	40	Set	300.00	12000.00
4	Supply of 45 W, 20A/6.6Amp, 5KV grade 50 Hz isolating Transformers series type encapsulated in black cross-linked polychloroprene compound like TPE/TPR/TPV with primary and secondary leads as specified in technical specifications.	48	Each	3500.00	168000.00
5	Supply of 200 W, 20/6.6Amp, 5KV grade 50 Hz isolating Transformers series type encapsulated in black cross-linked polychloroprene compound like TPE/TPR/TPV with primary and secondary leads as specified in technical specifications.	28	Each	5000.00	140000.00
6	Supply of 105 W Runway Lamp for lamp of inset type fittings.	5	Each	1200.00	6000.00
7	Supply of C.I isolating transformer housing box, water tight round type, metal container of outside size 330mm height 250mm made of 10mm thick case iron moulding all round, except the top surface, which is 15mm thick, cast iron moulding suitable to receive a light fitting base plate on the top and having a clear opening of 220mm hole centre and 06 nos holes tapped to receive M-10 Stainless Steel at PCD of 260mm to receive light fitting base plate bolts. The housing box having clear hole center at two side (opposite to each other) 75 mm above bottom surface suitable to receive two Nos. of 50 mmdia "B" class GI pipe, two nos earth bolts of 10 x 30 mm welded inside near the hole, a drain hole at the bottom suitably tapped to 1/2 dia "B" class G.I. pipes etc. complete etc. as required.	24	Each	4500.00	108000.00

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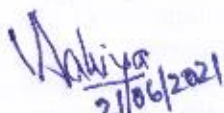
SN	Brief Description	Qty	Unit	Rate	Amount
1	2	3	4	5	6
8	Installation of transformer housing boxes in runway / Hard soil/ Hard Rock/ PCC by cutting existing structure upto suitable depth [max 300 mm] and filled all round concrete of 1:2:4, the top sloped with 1:2:4 cement concrete including providing and fixing 250mm long 15 mm dia "B" class GI pipe with check nut for drainage of water etc. complete as required.	24	Each	700.00	16800.00
9	Installation, testing and commissioning of inset type fitting by cutting the existing runway at specified location and filling the surrounding gap with suitable epoxy material (resin , hardener , silica etc.) / grouting compound and connecting with the existing transformer housing boxes by secondary lead in existing pipe including installation of isolating transformer, lens, lamps gasket, nut bolts, lens holding clamp and other accessories I/c alignment , levelling, connection, earth connection etc.as reqd. and approved by engineer in charge. Note : Supply of Secondary lead is included in this item.	24	Each	1000.00	24000.00
10	Installation, testing and commissioning of MIRL elevated fittings on the existing transformer 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 as per site requirement.	40	Each	700.00	28000.00
11	Making field connections by crimping of following sizes plug & receptable with suitable existing size single core PVC cu. Conductor cable of 5KV grade airfield cable including filling the gap with water sealent materil applying PVC insulation tape etc as reqd.	-----	-----	-----	-----
	i) 6/16 sq.mm	136	Each	500.00	68000.00
12	Dismantaling of existing CI transformer housing boxes from the cement concrete on the runway by removing the HIRL/MIRL fixtures complete,isolating transformers, HT power cables,GI-Pipes etc. and handing over the dismantled fixtures,transformers,GI pipes etc to the store of AAI etc as required.	24	Each	700.00	16800.00
13	Supply of Airfield Lighting (AFL) 5 KV grade, Single Core, Copper Conductor, Copper shielded, XLPE insulated, and with inner and outer semi conductor, Polyethylene (PE) outer sheathed, Copper Braid, Unarmoured Underground Cable for airfield lighting Primary Circuit, confirming to specification as specified in technical specification of the following sizes as required and suitable for communication on existing ALCMS system.Cable Shall be generally conforming to IS: 7098-Part II(latest edition)	-----	-----	-----	-----
	(i) 16 sqmm	800	Mtr	160.00	128000.00
	(ii) 6 sqmm	500	Mtr	100.00	50000.00
14	Laying of one number XLPE power cable of grade 5 KV of size not exceeding 25 sq.mm in the existing RCC / HUME / STONE WARE / Metal pipe/HDPE Pipe as reqd.	1100	Mtr	70.00	77000.00

SN	Brief Description	Qty	Unit	Rate	Amount
1	2	3	4	5	6
15	Laying of one number XLPE power cable of grade 5 KV of size not exceeding 25 sq.mm on wall/ surface as reqd.	100	Mtr	70.00	7000.00
16	Laying of one number XLPE power cable of grade 5 KV of size not exceeding 25 sq.mm in masonry open duct as reqd.	100	Mtr	70.00	7000.00
17	Providing, laying and fixing following inner dia G.I. pipe (medium class) complete with G.I. fittings including cutting the runway/ Hard Rock up to 250mm and re-filling the same with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) etc. as required.	-----	-----	-----	-----
	(i) 15 mm	158	Mtr	170.00	26860.00
	(ii) 50 mm	183	Mtr	300.00	54900.00
18	Excavation of trench in the hard rock not exceeding in 1.5 Mtr. Width and lift upto 1.5 Mtr. Including getting out the excavated soil and disposal of surplus excavated soil as directed within a lead of 50 mtrs.	20	CUM	500.00	10000.00
19	Providing & fixing 6 SWG dia GI wire on surface or in recess for loop earthing alongwith the existing surface / recessed / alongwith cable in cable trench / pipe as reqd.	1400	Mtr	27.00	37800.00
20	Earthing with G. I. pipe 4.5 m 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.	14	Set	7000.00	98000.00
21	Supplying and making cable route marker with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) of size 60 cm x 60 cm at the bottom and 50 cm x 50 cm at the top with a thickness of 10 cm including inscription duly engraved as required.	6	Each	700.00	4200.00
22	Numbering of GLF fittings/CCR's/Earthing Pits etc. as required.	68	Each	50.00	3400.00
23	Supply of Controlling knob suitable for Youyang / Nasu make CCR for remote control desk etc complete as required.	5	Each	100.00	500.00
24	ITC of 05 Nos Controlling Knob in remote control desk and synchronize and operanalize the system with CCR including connection etc.	1	Job	100.00	100.00
25	Supply of following sizes upto 1.1 KV grade, XLPE insulated, PVC sheathed, armoured, copper conductor control cable confirms to IS with up to date amendments etc complete as required	-----	-----	-----	-----
	(i) 30 core 2.5 sqmm copper armoured control cable	250	Mtr	200.00	50000.00
26	S/I/TC of indoor type air cooled 20 KW CCR of thyrister type suitable for use on 230V50HZ input A/C supply with output power of at 6.6Amp. with tappings for 5 steps for variation in output current suitable for operation on local & remote with rated voltage control system complete with earth leakage meter, positive back indication, complete with 5KV grade CT & relay contacts interconnection with multicore control cable junctionbox complete as reqd.	1	Each	300000.00	300000.00



SN	Brief Description	Qty	Unit	Rate	Amount
1	2	3	4	5	6
27	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 grade of following size in the existing RCC/HUME/METAL pipe as required.	-----	-----	-----	-----
	(i) Above 35 sqmm and Up to 95 sq. mm	10	Mtr	100.00	1000.00
28	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 grade of following size on wall surface as required.	-----	-----	-----	-----
	(i) Above 35 sqmm and Up to 95 sq. mm Up to 35 sq. mm (Clamped with 25 x 3 MS flt clamp)	230	Mtr	100.00	23000.00
29	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 grade of following size in the existing masonry open duct as required.	-----	-----	-----	-----
	(i) Above 35 sqmm and Up to 95 sq. mm	10	Mtr	70.00	700.00
30	Supplying and making end termination with brass compression gland and aluminium lugs for 30 core x 2.5 sqmm size of PVC insulated and PVC sheathed / XLPE copper conductor cable of 1.1 KV grade as required.	2	Job	1000.00	2000.00
31	laying of 90mm dia (OD-90 mm & ID-76 mm nominal) size DWC HDPE pipe complete with fitting and cutting, jointing etc.direct in ground (20 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.	400	Mtr.	190.00	76000.00
Total					3345060.00
Say Rs. =					3345060.00
[RUPEES THIRTY THREE LAKHS FORTY FIVE THOUSAND & SIXTY ONLY]					


(Manoj Singh Chamyal)
 Jr. Exe. (E-E)
 CA, Shimla.


(Vijender Singh Dahiya)
 Sr. Mgr. (E-E)
 CA, Shimla.