



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

सं.:— भाविप्रा/किशनगढ़/अभि.(वि.)/अवार्ड लैटर-11/2024-25 /138

दिनांक:— 31/01/2025

सेवा में,

मेसर्स स्वराज सेक्यूटेक प्राइवेट लिमिटेड
सर्वे नंबर 1427, छत्राल-मेहसाणा हाईवे,
राजपुर- झुलासन रोड, धारपुरा,
अहमदाबाद-382705
ई-मेल- info@swarajsecutech.com

M/s. SWARAJ SECUTECH PRIVATE LIMITED
Survey No. 1427, Chhatral-Mehsana Highway,
Rajpur-Jhulasan Road, Dharpura,
Ahmedabad-382705
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विषय :- एसआईटीसी ऑफ़ टायर किलर्स, हाईड्रोलिक बोलाई एंड बूम बैरियर्स एट किशनगढ़ एअरपोर्ट, अजमेर.

Subject:- "SITC of Tyre Killers, Electro-hydraulic Bollards and Boom Barriers at Kishangarh Airport, Ajmer."

संदर्भ:- दिनांक 17/12/2024 को खोली गई आपकी बिड न.- 2024_AAI_214869_1 (वित्तिय बिड)।

Ref:- Your Bid Number- 2024_AAI_214869_1 (Financial Bid) opened on dated 17/12/2024.

महोदय,

1. उल्लेखित कार्य हेतु आपकी ई-निविदा आपके द्वारा उद्धृत कुल रु. **64,05,768.00** (अक्षरे चौसठ लाख पांच हजार सात सौ अड़सठ रुपये मात्र) (जी.एस.टी रहित) की नियत मद दर पर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से एतद् द्वारा स्वीकृत की जाती है, जो कि ई-निविदा की अनुमानित लागत रु. **1,10,57,382.00** (जी.एस.टी. रहित) से **42.07%** नीचे हैं।

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 totalling to **Rs. 64,05,768.00** (Rupees Sixty Four Lakh Five Thousand Seven Hundred Sixty Eight only) (Excluding GST) which is **42.07%** below the estimated cost of **Rs. 1,10,57,382.00** (Excluding GST).

2. सहायक महाप्रबंधक (अभियांत्रिकी-विद्युत), भा.वि.प्रा, किशनगढ़ हवाई अड्डा, अजमेर इस कार्य के इंजीनियर-इन-चार्ज होंगे। आपसे अनुरोध है कि आप संविदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु **15/02/2025** तक सहायक महाप्रबंधक (अभियांत्रिकी-विद्युत), भा.वि.प्रा, किशनगढ़ हवाई अड्डा, अजमेर के कार्यालय में उपस्थित हो। संविदा करार रु 100/- (मात्र सौ रुपये) के न्यायिकेतर (नॉन-ज्युडिशियल) स्टॉप पेपर पर बनाया जाएगा तथा स्टॉप पेपर की लागत आपके द्वारा वहन की जाएगी।

Assistant General Manager (Engg-E), AAI, Kishangarh Airport, Ajmer shall be the Engineer-In-Charge of the work. You are requested to attend the office of the Assistant General Manager (Engg-E) AAI, Kishangarh Airport, Ajmer by **15/02/2025** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value of Rs. 100/- (Rupees One Hundred only) and the cost of the stamp paper shall be borne by you.

3. सुरक्षा राशि रु. **6,40,577.00** (अक्षरे छः लाख चलीस हजार पांच सौ सत्तर रुपये मात्र) को 10 दिन के भीतर जमा करें अन्यथा इस राशि की कटौति संविदा कागजात के पृष्ठ 41 पर खण्ड-1 ए के अनुसार आपके चालू बिलों से की जाएगी।
Security deposit **Rs. 6,40,577.00** (Rupees Six Lakh Forty Thousand Five Hundred Seventy Seven Only) within 10 days from the date of issue of this letter, failing which, the same will be deducted as per clause no.- 1A, page no. -41 of tender/contract document.
4. आप से अनुरोध है कि आप संविदा श्रम (विनियम एवं उन्मूलन) अधिनियम 1970, संविदा श्रम (विनियम एवं उन्मूलन) केन्द्रीय नियम 1971, बाल श्रम (निषेध एवं उन्मूलन) अधिनियम 1986, निर्माण श्रमिकों (सेवा के शर्त और नियमन) अधिनियम 1986 और अन्य निर्माण श्रमिक कल्याण उपकर अधिनियम 1996 जो कि निविदा दस्तावेज के जी.सी.सी. के प्रावधानों का और केन्द्रीय व राज्य सरकारों के तदसंबंधी नियमों का अनुपालन करें।



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You are requested to comply with the provision of Contract Labour (Regulation & Abolition) Act of 1970, Contract Labour (Regulation & Abolition) Central Rules 1971, Child Labour (Prohibition & Regulation) Act 1986, Construction Workers (Regulation of Employment & Condition of Service) Act 1996, Building & Other Construction Workers Welfare Cess Act 1996 as specified in GCC of tender Document and Rules of Central and state Govt.

5. आपको प्रबन्धक (अभियांत्रिकी-विद्युत), भा.वि.प्रा., किशनगढ़ हवाई अड्डा, अजमेर से तत्काल संपर्क करने का भी निर्देश दिया जाता है। आपको कार्यस्थल (साइट) सौंपने का कार्य उनके द्वारा किया जाएगा।

You are also directed to contact Manager (Engg-E), AAI, Kishangarh Airport, Ajmer immediately who will arrange to hand over the site to you.

6. कृपया नोट करें कि कार्य पूरा करने के लिए आपको 03 माह का समय प्रदान किया जाता है जो कि इस पत्र के जारी होने की तिथि से 10 दिन बाद से प्रभावी होंगी।

Please note that the time allowed for carrying out the work shall be **03 Months** & shall be reckoned from 10th day after the date of issue this letter.

7. दोष दायित्व अवधि एक (01) वर्ष होगी, जो कार्य के पूरा होने की वास्तविक दर्ज तिथि से प्रभावी होगी।

The defects liability period shall be **One (01) Year**, which will be effective from the actual recorded date of completion of the work.

8. संविदा के संबंध में भविष्य में किसी भी प्रकार का पत्र व्यवहार सामान्यतः इंजीनियर-इन-चार्ज के नाम से किया जाएगा।

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

9. कृपया पत्र की पावती भेजें।

Please acknowledge the receipt.

10. यदि कोई विसंगति पाई जाती है तो अंग्रेजी भाषा ही मान्य होगी।

In case any discrepancy is found, then English version will be taken as correct.

Enclosure :- BOQ Page- 01 to 05

भवदीय / Yours Faithfully,

सहायक महाप्रबंधक (अभि०-वि०) / Asstt. Gen. Mgr. (Engg. E)
कृते तथा ओर से अध्यक्ष, भा.वि.प्रा. / For and on behalf of Chairman, AAI

Bill of Quantities (BoQ)

Name of Work: SITC of Tyre Killers, Electro-hydraulic Bollards and Boom Barriers at Kishangarh Airport, Ajmer.

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate (ex. GST)	Amount (ex. GST)
1.00	Supply, Installation, Testing and Commissioning of Electro Mechanical boom barrier system with boom made of SS/ Aluminium with high quality reflective strips having 4.0 meter length suitable to work on 230V(1-Phase) /415V(3-Phase) +/- 5%, 50Hz AC supply with 100% duty cycle consisting of driver cum control unit in dust and water resistant housing of IP 65 protection with provision of manual operation in case of power failure, fixed support bar, control circuits, limit switch adjustment, push button, signalling light safe beam photo electric sensor, loop detectors, flashing lights, Control Panel,remote control, cables including all accessories, laying of remote/ control (if required) cables in suitable HDPE/ DWC/ GI Pipes (upto 30 Meter), connections,interconnections, civil foundation work including excavation of existing PQC/ Bitumen road (at required depth as per site conditions) and making good after installation etc complete as per manufacturer recommendation or as directed by Engineer-In-charge.	4.00	Job	76000.00	304000.00
2.00	Supply, installation, testing & commissioning of High impact resistance Crash rated electro hydraulic bollard system made out of mild/stainless steel comprising of 6 (Six) Number of bollards in each set suitable to work on Three/Single phase 415/ 230 Volts +/-5%, 50Hz AC supply, consisting of inbuilt hydraulic power unit, PLC based, logic circuit, sensors, loop detectors, push button, driver cum control unit in dust and water resistant housing of IP67 protection, control panel, including switching operation in local and remote location (within 30 mtr) complete as required including all major/minor civil works (excavation of PQC/bitumen road of required depth as per site conditions) and making good after installation, and supplying and laying of HDPE/ DWC/ GI pipes and control cables (upto 30Mtr) comprising of following items and features, all accordance to manufacturer recommendation as specified in technical specifications. i)Height- Minimum-800 mm ii) Bollard diameter- Minimum 275 mm iii) Impact load - Minimum 40 KN iv)Operation time - 5 to 8 sec. max v) Frequency of operation- Minimum 200 full cycles/hr. vi) Manual operations- Integrated hand pump vii) Safety interlock detector viii) Sump drain pump- Single phase Self priming pump ix) Illuminating (LED) unit on top of bollard. x) Control panel- UP/down/stop/middle stop for each position operation & maintenance switch. xi) Operating temp rang- 0 to +55 °C and capable of meeting the weather conditions of Kishangarh Airport (rajasthan).	1.00	Job	1800000.00	1800000.00

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Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate (ex. GST)	Amount (ex. GST)
3.00	Supply, Installation, Testing and Commissioning of High impact resistance Electro Hydraulic tyre killer of 6 Mtr. Length with Mild/Stainless Galavanised Steel spikes of minimum dimension 450X10 mm (length x thickness) at an angle of 60° and gap between the spikes measured from the centre of the spikes shall be between 100 mm to 200 mm suitable to work on Three/ Single phase 415/230 Volts +/-5%, 50 Hz AC supply consisting of Tyre killer operating on hydraulic power system with operation time between 2 to 3 second made up of heavy duty tampered steel spikes for destroying tyres suspension and axle of a vehicle able to bear axle load of minimum 25 tons of a moving vehicle and shall be capable of performing at least 200 full cycles per hour and also having manual operation through hand pump in case of power failure, stop/go traffic light, PLC based, single control panel for controlling section, including control switching operation in remote location (within 30 Mtr), logic circuit, dust and water resistant housing of IP66 protection with all safety and sensors, loop detectors, push buttons, earthing, civil foundation including excavation of existing PQC/Bitumen road (at required depth as per site conditions) and making good after installation of tyre killers including provision of sump pump of suitable rating to drain accumulated water complete as required and supplying and laying of suitable size HDPE/ DWG/ GI pipes and control cables (upto 30 Mtr), hydraulic system etc as required for complete functioning of tyre killers as per manufacturer recommendation and as specified in technical specifications.	1.00	Job	515000.00	515000.00
4.00	Design, Fabrication, Supply, installation, testing and commissioning of vermin proof, dust proof, front operated, cubicle type, floor mounted, double door, outdoor LT feeder panel made out of 2 mm thick CRCA sheet duly rust inhibited, powder coated paint, fully compartmentalized complete with double hinged front door with lockable arrangement etc. including necessary iron channel stand of size 50X50X5, depth of leg 3 feet (minimum), CC all around of the panel upto 1 Meter, control wiring, with mechanical interlocking, etc. and having following accessories. INCOMER 2 Nos. 200A 4P MCCB (Ics=Icu=50 KA) with rotary operating mechanism including terminal extension. Each Incomer shall have one set of the following items: Digital Multifunction Meter, suitable for measure Volatge, Current, Energy, frequency, power factor etc.with CT ratio programmable and auto ranging along with suitable range CTs. 1 Set of Indication Lamps, LED type, R,Y,B and MCCB 'ON', and 'OFF' lamps with protection MCBs. BUS COUPLER 1 Nos. 200A 4P MCCB (Ics=Icu=50 KA) with rotary operating mechanism including terminal extension. Bus coupler shall have indication 'ON', and 'OFF' lamps with protection MCBs. BUS BAR 1 Set of 250A TPN Busbars of aluminium alloy. OUTGOING 04 Nos. 63 A TPN MCCB (Ics=Icu=30 KA) with thermal magnetic release. 02 Nos. 32 A TPN MCCB (Ics=Icu=30 KA) with thermal magnetic release. 6 Sets (1 Set for each outgoing) LED type 'ON' and 'OFF' Indication Lamps with protection MCBs.	2.00	Job	192000.00	384000.00

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Sl.No	Description of Work / Item(s)	No. of Qty	Units	Rate (ex. GST)	Amount (ex. GST)
5.00	Design, Fabrication, Supply, installation, testing and commissioning of vermin proof, dust proof, front operated, cubicle type, floor mounted, double door, outdoor LT feeder panel made out of 2 mm thick CRCA sheet duly rust inhibited, powder coated paint, fully compartmentalized complete with double hinged front door with lockable arrangement etc. including necessary iron channel stand of size 50X50X5, depth of leg 3 feet (minimum), CC all around of the panel upto 1 Meter, control wiring, with mechanical interlocking, etc. and having following accessories. INCOMER 2 Nos. 200A 4P MCCB (Ics=Icu=50 KA) with rotary operating mechanism including terminal extension. Each Incomer shall have one set of the following items: Digital Multifunction Meter, suitable for measure Volatge, Current, Energy, frequency, power factor etc.with CT ratio programmable and auto ranging along with suitable range CTs. 1 Set of Indication Lamps, LED type, R,Y,B and MCCB 'ON', and 'OFF' lamps with protection MCBs. BUS COUPLER 1 Nos. 200A 4P MCCB (Ics=Icu=50 KA) with rotary operating mechanism including terminal extension. Bus coupler shall have indication 'ON', and 'OFF' lamps with protection MCBs. BUS BAR 1 Set of 250A TPN Busbars of aluminium alloy. OUTGOING 02 Nos. 125 A TPN MCCB (Ics=Icu=30 KA) with thermal magnetic release. 02 Nos. 63 A TPN MCCB (Ics=Icu=30 KA) with thermal magnetic release. 4 Sets (1 Set for each outgoing) LED type 'ON' and 'OFF' Indication Lamps with protection MCBs.	1.00	Job	192000.00	192000.00
6.00	*Supply of 3.5C x 150 Sq.mm size 1.1 KV grade, XLPE insulated and PVC sheathed, FRLS at outer sheath, Aluminium conductor armoured power cable conforming to IS: 7098(Part-1) 1988 with up to date amendments etc. complete as required.	243.00	Mtr	755.00	183465.00
7.00	Supply of 3.5C x 240 Sq.mm size 1.1 KV grade, XLPE insulated and PVC sheathed, FRLS at outer sheath, Aluminium conductor armoured power cable conforming to IS: 7098(Part-1) 1988 with up to date amendments etc. complete as required.	668.00	Mtr	1220.00	814960.00
8.00	Supply of 4C x 6 Sqmm, 1.1 KV grade, UNAMOURED, PVC insulated/ PVC sheathed Copper conductor multi stranded flexible cable confirming to IS: 694 amended upto date.	158.00	Mtr	251.00	39658.00
9.00	Supply of 4C x 25 Sqmm, 1.1 KV grade, Armoured,XLPE insulated, PVC sheathed, Aluminium conductor cable confirming to IS: 7098 (Part -1) 1988 amended upto date.	84.00	Mtr	195.00	16380.00
10.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade size of above 185 Sqmm and up to 400 Sqmm cable in the existing RCC/ HUME/ STONEWARE/ METAL/ HDPE/DWC pipe as required.	668.00	Mtr	300.00	200400.00
11.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade size of above 95 Sqmm and up to 185 Sqmm cable in the existing RCC/ HUME/ STONEWARE/ METAL/ HDPE/DWC pipe as required.	243.00	Mtr	300.00	72900.00
12.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of Upto 35 sq. mm size in the existing RCC/ HUME/ METAL/DWCHDPE pipe as required.	200.00	Mtr	450.00	90000.00
13.00	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade Upto 35 sq. mm (clamped with 1mm thick saddle) on wall surface as required.	30.00	Mtr	650.00	19500.00
14.00	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for size of 3.5 x 240 Sqmm of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.	1.00	Set	6500.00	6500.00

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Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate (ex. GST)	Amount (ex. GST)
15.00	Supplying and making end termination with brass compression gland and aluminium lugs for 3.5 C x 240 sq.mm size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required.	6.00	Set	850.00	5100.00
16.00	Supplying and making end termination with brass compression gland and aluminium lugs for 3.5 C x 150 sq.mm size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required.	8.00	Set	850.00	6800.00
17.00	Supplying and making end termination with brass compression gland and aluminium lugs for 4C x 25 sq.mm size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required.	4.00	Set	850.00	3400.00
18.00	Supplying and making end termination with brass compression gland and aluminium lugs for 4C x 6 sq.mm size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required.	8.00	Set	650.00	5200.00
19.00	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 16205, Part 24 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. 63 mm dia (OD-63 mm & ID-51 mm nominal)	210.00	Mtr	350.00	73500.00
20.00	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 16205, Part 24 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. 160 mm dia (OD-160 mm & ID-135 mm nominal)	607.00	Mtr	350.00	212450.00
21.00	Supply of 110 mm high density polyethylene HDPE pipe (PE- 80, PN-6) as per IS - 4984 with up to date amendment along with accessories like socket, bend, couplers etc. complete as required.	300.00	Mtr	426.80	128040.00
22.00	Laying of HDPE pipe (PE- 80, PN-6) of size 110 mm (OD) in suitable depth by trenchless horizontal directional drilling (HDD) method by deploying HDD machines with necessary arrangements complete as required as per the site requirements. (Excluding the cost of 110 mm HDPE Pipe)	300.00	Mtr	300.00	90000.00
23.00	Providing and fixing 4 pole, 250 Amp, 36 KA capacity MCCB in existing cubicle LT panel including drilling holes in cubicle panel, making connections, etc. complete as required.	2.00	Job	13500.00	27000.00
24.00	Demolishing cement concrete / bituminous road / brick wall by manually / mechanical means including disposal of material within 50 meters lead as per direction of Engineer - in - charge.	1.50	Cum	3000.00	4500.00
25.00	Providing and laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in Hard surface/ Cement Concrete surface / Bituminous surface as required.	1.50	Cum	4500.00	6750.00
26.00	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.	3.00	Job	22000.00	66000.00
27.00	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.	45.00	Mtr	80.00	3600.00
28.00	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	15.00	Mtr	65.00	975.00
29.00	Supply & Fixing of 4- Pole aluminium bus bars of 600 Amps. Capacity (minimum) in the existing Panel with heat shrinkable coloured sleeves and i/c. DMC / SMC bus bars supports at required intervals complete for cross section, size supports and their spacing etc. complete as per site requirement.	5.00	Mtr	18000.00	90000.00

APR 18/21

Sl.No	Description of Work / Item(s)	No. of Qty	Units	Rate (ex. GST)	Amount (ex. GST)
30.00	Supply and fixing of outdoor type cable termination box of size 600 mm x 500 mm x 350 mm deep, made of 2.0 mm thick CRCA sheet, aluminium bus-bar of 250 Amps rating alongwith 40X40X5 mm M.S angle stand, depth of leg 3 feet (minimum), CC all around of the panel upto 0.5 Meter etc. and having following arrangements:- INCOMER 1 Nos. 200A 4P MCCB (Ics=Icu=50 KA) and 1 Set of Indication Lamps, LED type, R,Y,B. OUTGOING 1 Nos. 200A 4P MCCB (Ics=Icu=50 KA) and 1 Set of Indication Lamps, LED type, R,Y,B.	2.00	Job	33000.00	66000.00
31.00	All inclusive comprehensive maintenance of Four years after defect liability period (DLP) of one year from OEM / authorised service dealer for Electro Mechanical boom barrier system having 4.0 meter length including all accessories complete, quarterly servicing including unlimited no. of breakdown calls as & when required.				
31.10	First Year after DLP.	4.00	Job/ year	18240.00	72960.00
31.20	Second Year after DLP.	4.00	Job/ year	21280.00	85120.00
31.30	Third Year after DLP.	4.00	Job/ year	24320.00	97280.00
31.40	Fourth Year after DLP.	4.00	Job/ year	24320.00	97280.00
32.00	All inclusive comprehensive maintenance of Four years after defect liability period (DLP) of one year from OEM / authorised service dealer for High impact resistance Crash rated electro hydraulic bollard system made out of mild/stainless steel comprising of 6 (Six) Number of bollards including all accessories complete, quarterly servicing including unlimited no. of breakdown calls as & when required.				
32.10	First Year after DLP.	1.00	Job/ year	108000.00	108000.00
32.20	Second Year after DLP.	1.00	Job/ year	117000.00	117000.00
32.30	Third Year after DLP.	1.00	Job/ year	126000.00	126000.00
32.40	Fourth Year after DLP.	1.00	Job/ year	135000.00	135000.00
33.00	All inclusive comprehensive maintenance of Four years after defect liability period (DLP) of one year from OEM / authorised service dealer for High impact resistance Electro Hydraulic tyre killer of 6 Mtr. Length including all accessories complete, quarterly servicing including unlimited no. of breakdown calls as & when required.				
33.10	First Year after DLP.	1.00	Job/ year	30900.00	30900.00
33.20	Second Year after DLP.	1.00	Job/ year	33475.00	33475.00
33.30	Third Year after DLP.	1.00	Job/ year	36050.00	36050.00
33.40	Fourth Year after DLP.	1.00	Job/ year	38625.00	38625.00
	Total amount (in Rs.)				6405768.00

[Signature]
21/7/25
A.G.M. E