

भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA

सं./Ref. No. AAI/HYD/ENGG (E)/CW-01/2020-21/2316.

दिनांक /Date: 13.05.2020

BY SPEED POST/E-MAIL

सेवा में/To,

M/s. Swas & IT Private Limited,
#23, 1st Floor, 2 Cross,
Behind Hennur Police Station,
Babusa Palya, Kalyan Nagar Post
Bangalore - 500 043,
e-mail Id : info@swasgroup.com

phone - 9686422777

कार्य का नाम/ Name of Work : SITC of 1MWp Grid(33KV) Connected Solar Photo Voltaic Power Plant & Comprehensive /Operation and Maintenance Contract at Begumpet Airport, Hyderabad.

SH : Electrical Works for Control Room.

स सं./Ref. 1. Bid Invitation No. 2020_AAI_40226_1 Dated.13.01.2020

2. Your E-tender (Envelope-III -Financial bid) opened on 24.02.2020

महोदय / Dear Sir(s),

1. Your tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India, at the item rates quoted by you totaling to Rs. 7,82,860/- (Rupees Seven Lakhs Eighty Two Thousand Eight Hundred and Sixty Only) excluding GST which is 14.00% below the estimated cost of Rs.9,10,275/- excluding GST.
2. The Asst. General Manager (Engg-E), AAI, Hyderabad Airport, Begumpet, shall be the Engineer-in-Charge of the work. You are requested to attend the office of the Asst. General Manager (Engg-E), AAI, Begumpet Airport, Hyderabad - 500 016 by 03.06.2020 to sign and complete 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 papers shall be borne by you.
3. The earnest money amount of Rs.18,206.00 (Rupees Eighteen Thousand Two Hundred and Six Only) received along with your tender vide DD No: 035900 Dated : 17.01.2020 of Axis Bank has been converted as part of security deposit as per the clauses of the contract clause No.1A of contract document. Please deposit Rs.60,080/- (Rupees Sixty Thousand and Eighty only) towards security deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted from yours running bills as per condition of contract document
4. 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 and minimum wages act and rules there of Central and State Governments.

Address: Electrical Office, AAI Begumpet Airport, Begumpet, Hyderabad-500016

Contact Details: 040-27907639 Email: elect_hyd@aaiaero;

सहायक महाप्रबंधक-इंजी (वि)
Asst. General Manager-Engg. (Elect.)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
Begumpet Airport/बेगम्पेट हवाई अड्डा,
हैदराबाद-500 016.

सहायक महाप्रबंधक-इंजी (वि)
General Manager-Engg
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
Begumpet Airport
हैदराबाद-500 016
Hyderabad

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5. You are also directed to contact Asst. General Manager (Engg-Elect), AAI, Begumpet Airport, Hyderabad – 500 016 immediately who will arrange to hand over the site to you.
6. Please note that the time allowed for carrying out the work shall be 02 (TWO) months and same shall be reckoned from 23.05.2020.
7. Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-charge.
8. 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.

अनुलग्नक/Encl :Schedule of Quantities

भवदीय/Yours Faithfully,

Ch. M. 13/05/2020
सं.महाप्रबंधक (अभि-वि)/ Asst. General Manager (Engg-E),
अध्यक्ष के लिए एवं की ओर से/For & On Behalf of The Chairman,
भारतीय विमानपत्तन प्राधिकरण/Airports Authority of India,
भा वि प्रा, हैदराबाद हवाई अड्डा/AAI, Begumpet Airport
Asst. General Manager-Engg. (Elect.)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
Begumpet Airport/बेगमपेट हवाई अड्डा,
हैदराबाद-500 016.
Hyderabad-500 016.

Tender Inviting Authority: Asst.General Manager(E-E), AAI, Begumpet Airport.

Name of Work: SITC of 1 MWp Grid (33 KV) Connected Solar Photo Voltaic Power Plant & Comprehensive/Operation and Maintenance Contract at Begumpet Airport-Hyderabad. Sub Head: Electrical works for Control Room.

Contract No: 2020_AAI_40226_1

Name of the Bidder/ Bidding Firm / Company :	SWAS AND IT PRIVATE LIMITED							
PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)								
NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	BASIC RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Excluding GST in Rs. P	TOTAL AMOUNT Excluding GST In Words
1	2	3	4	5	12	13	53	55
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Group B.	Item No 1	19	Point	INR	230.00	4370.00	INR Four Thousand Three Hundred & Seventy Only
2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. a). 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Item No 2	150	Meter	INR	280.00	42000.00	INR Forty Two Thousand Only
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. a) 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Item No 3	340	Meter	INR	340.00	115600.00	INR One Lakh Fifteen Thousand Six Hundred Only
4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. a) 2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Item No 4	325	Meter	INR	380.00	123500.00	INR One Lakh Twenty Three Thousand Five Hundred Only
5	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	Item No 5	20	Each	INR	450.00	9000.00	INR Nine Thousand Only
6	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Item No 6	8	Each	INR	480.00	3840.00	INR Three Thousand Eight Hundred & Forty Only
7	Supply of 36W LED VENUS NEO HE fixture (Size not less than 595x595x65mm) Ultra modern designed achchitectural LED luminarie which provides soft-light and glare free symmetrical illumination suitable for Armstrong/Grid ceiling. LED luminaire shall be suitable for 230V, 50Hz. 1-Phase AC supply as required.	Item No 7	19	Each	INR	3650.00	69350.00	INR Sixty Nine Thousand Three Hundred & Fifty Only
8	Supply & fixing of 30W LED Energy saving and environmental friendly long life LED street light made up of pressure die cast aluminium housing with high power LED as lighting source and lens embeddded PC cover having IP65 protection and impact resistance of K7, suitable for single phase, 230 volts, 50 Hz, AC supply, and supplying and fixing of 40 mm dia X 2.00 meter long G.I. pipe (medium class) bracket for mounting of above fitting on wall including bending the pipe to the required shape, 2 Nos. of suitable size flat iron clamps with nuts, bolts and washer, painting and including wiring (upto 2.0mtrs) with 3x1.5 Sq.mm copper conductor and complete as required.	Item No 8	4	Each	INR	4500.00	18000.00	INR Eighteen Thousand Only
9	Supply of Wall fan of 400mm swing, 1350 RPM with control ON-OFF, variable speed modes, oscillation control, hight adjustable, balanced 3 leaf suitable for operation on 230volts, 50hz, AC power supply etc as required.(Make: Havells, Model: Swing or similar from list of approved makes)	Item No 9	6	Each	INR	4900.00	29400.00	INR Twenty Nine Thousand Four Hundred Only

Ch. M. Acharya

10	Supply of 300mm , 1400RPM Heavy Duty Exhaust fan with 4 blades, bird protective guard and all other required accessories suitable for working at 230Volts, 50HZ, single phase, AC supply etc. as required.(Make: Havells, Model: Turbojet SP or equivalent)	Item No 10	1	Each	INR	4600.00	4600.00	INR Four Thousand Six Hundred Only
11	Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	Item No 11	19	Each	INR	360.00	6840.00	INR Six Thousand Eight Hundred & Forty Only
12	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required. a) Upto 450 min sweep	Item No 12	3	Each	INR	2400.00	7200.00	INR Seven Thousand Two Hundred Only
13	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting/LED fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Item No 13	19	Each	INR	190.00	3610.00	INR Three Thousand Six Hundred & Ten Only
14	Supply, Installation, testing and commissioning of MV Indoor type, floor mounted, compartmentalized, cubical type panel board of 415 volts(nominal) extendable on both sides, fabricated out of 2mm thick cold rolled sheet steel, free standing & totally enclosed, weather proof/dust proof/vermin proof with bottom /top cable entries & cable alleys. The switch board shall be suitable for operation 3phase, 4 wire, 50HZ, A/C power supply and with busbars and following switchgear, instrumentation, protective devices etc., complete with connections, interconnections, earthing, painting and marking etc complete as required.For Incoming : a) 250 Amps, 4 Pole, MCCB having 36 KA breaking capacity, 125 - 160 Amps thermal release range - 01 No. For Outgoing : a) 32 amps TPN MCB's --- 06 Nos b) 6 to 32 amps Double pole 'C' MCB's --- 06 Nos c) 6 to 32 amps Single pole 'C' MCB's --- 12 Nos d) 6 to 32 amps Single pole 'B' MCB's --- 12 Nos e) Timer switch ----- 01 Nos Metering : i) 0 -500volts ,Digital type voltmeter with selector switches along with control fuses(voltmeter shall have provision to read single phase voltage and 3phase voltage) ii) 0 to 200amp Digital type Ammeter with 3nos CT'S of ratio 200/5amps and with selector switch, iii) LED type Indicating Lamps for 03 phase and Control fuses to Monitor incoming power supplies. iv)Aluminium busbar suitable for 125 Amps.Power terminals, gland plates, earth terminals etc.	Item No 14	1	Job	INR	63800.00	63800.00	INR Sixty Three Thousand Eight Hundred Only
15	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP MCB in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Item No 15	6	Each	INR	1600.00	9600.00	INR Nine Thousand Six Hundred Only
16	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. (but with charcoal/ coke and salt) as	Item No 16	2	set	INR	3450.00	6900.00	INR Six Thousand Nine Hundred Only
17	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. himble excavation and re-filling as required.	Item No 17	20	Meter	INR	3450.00	69000.00	INR Sixty Nine Thousand Only
18	Supply, Installing, Testing and Commissioning of Split type, 1.5 TR Airconditioner (cooling capacity: minimum 4500 Kcal/hr) of 5 star rating Inverter type Hi-Wall Split 1.5 Ton non ductable fan coil unit (indoor unit), condensing unit(outdoor unit) with rotary compressor suitable for operation on 1phase, 230V±10% , 50HZ, AC power supply including fixing the outdoor unit on a fabricated MS stand/wall Bracket/Brick foundation as per the site requirement . The supply of unit shall include the copper pipings , power cables for interconnecting between the indoor unit and out door unit as per standard manufacturer design (ie., up to 3 mtrs) including the drain pipes, first charge of refrigerant etc as required. (As per list of approved makes). a) Insulated copper pipe --- Liquid Line b) Insulated copper pipe --- Suction Line c) 3 core x 2.5 sqmm PVC insulated copper wire. d)Suitable size of casing and capping/PVC pipe for covering the refrigerant line for above (a), (b) & (c) .	Item No 18	6	Each	INR	1650.00	9900.00	INR Nine Thousand Nine Hundred Only

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 सहायक महाप्रबंधक-इंजी (वि)
 Asst. General Manager-Engg. (Elect.)
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 Airports Authority of India
 Begumpet Airport/बेगमपेट हवाई अड्डा,
 हैदराबाद-500 016
 Hyderabad-500 016

19	Supply and Installation of following copper pipe for suction and delivery line with all accessories suitable for 1-phase, 1.5TR Split AC's i/c Insulation, power & Control cabling etc. as required. a) Insulated copper pipe - Liquid line b) Insulated copper pipe - Suction c) 3C X 2.5 sqmm copper conductor cable d) Insulation Foam tubing for covering the refrigerant lines in (a) & (b) e) Suitable size of casing and capping/PVC pipe for covering the refrigerant line of above (a),(b) & (c)	Item No 19	20	Meter	INR	1560.00	31200.00	INR Thirty One Thousand Two Hundred Only
20	Supply, installation, testing and commissioning of wall mounting type, 4 KVA Capacity, single phase, automatic line voltage stabilizer, suitable operation on 170 volts to 270 volts AC input, 200 volts to 240 volts AC output, single phase, 50Hz AC power supply with built in time delay, high voltage cut off, and low voltage cut off at 145 volts and input/output/trip indications and suitable for application of 1.5 Ton Air conditioning unit etc. as required.	Item No 20	6	Each	INR	7800.00	46800.00	INR Forty Six Thousand Eight Hundred Only
21	Supply and Installation of following size CPVC pipe for drain line with all accessories, etc. as required. a) 20 mm dia (for 1.5TR AC)	Item No 21	20	Meter	INR	130.00	2600.00	INR Two Thousand Six Hundred Only
22	Supply, Installation, Testing & Commissioning of UL / EN listed (latest version) Modular Microprocessor based expandable intelligent Addressable Type Fire Alarm Control Panel of following loops, with minimum 320 character graphics / LCD display with touch screen or other keypad and minimum 4000 events history log in the non volatile memory (EPROM), The panel should be equipped with loop capacity to take minimum 240 intelligent addressable detectors/ devices (In any combination) in one loop. Four access levels, capable of taking Protocol Devices, Graphical Display, sufficient numbers of programmable relay controls for controlling ventilation fan, fire pump room, monitoring of fire sprinkler and fire hydrant pump, 230 volts, 50 Hz AC power supply, automatic battery charger, 24 volts sealed maintenance free lead acid batteries sufficient for 2 hours normal working and then be capable of operating the system for 30 minutes during an emergency / fault conditions along with battery stand as required. The panel shall For Outgoing : a) 32 amps TPN MCB's --- 06 Nos b) 6 to 32 amps Double pole 'C' MCB's --- 06 Nos	Item No 22	1	Each	INR	6900.00	6900.00	INR Six Thousand Nine Hundred Only
23	Supply, Installation, Testing & commissioning of UL / EN listed (latest version) intelligent addressable multi criteria detector (Smoke + heat) with inbuilt fault isolator / isolator base and with unique optical sensing chamber, visible LED, fully coated circuit board, superior RF / Transient protection suitable for 2 wires loop connection, complete with plug into common separate base & housing constructed of LEXAN (or polycarbonate) complete with connections etc. as required and to be installed below / above false ceiling roof and concealed space and as per enclosed specifications, complete as required. (Cost of plug in common base shall deemed to be included in cost of detectors)	Item No 23	8	Each	INR	8800.00	70400.00	INR Seventy Thousand Four Hundred Only
24	Supplying & laying of 2 x 1.5 sqmm FRLS armoured cable, 600 / 1000V rated with annealed copper conductor as per applicable IS standard complete as required.	Item No 24	60	Meter	INR	270.00	16200.00	INR Sixteen Thousand Two Hundred Only
25	Supply, installation, testing and commissioning of UL / EN listed (latest version) loop powered addressable Hooter-cum- strobe with inbuilt fault isolator / Isolator module with adjustable sound level in the range of min. 90 db to Max. 120 db at 1M distance complete with termination etc. as required and as per enclosed specification.	Item No 25	1	Each	INR	6650.00	6650.00	INR Six Thousand Six Hundred & Fifty Only
26	Supply, Installation, Testing & commissioning of UL / EN listed (latest version) intelligent addressable Manual call station (Resetable pull / push type) suitable for semi flush mounting, IP 54 for indoor use & IP 65 for outdoor use with inbuilt fault isolator / Isolator module with double gang outlet box, equipment for key operated test-reset lock, electronic or rotary switches for address setting. Manual pull station shall be connected with two wire to SLC loop of Fire Control Panel. Cover shall be made out of LEXAN (or poly carbonate equivalent) with clear operating instruction and the word Fire appearing on the front complete with connections etc. as required and as per enclosed specifications.	Item No 26	1	Each	INR	5600.00	5600.00	INR Five Thousand Six Hundred Only
Total in Figures							782860.00	INR Seven Lakh Eighty Two Thousand Eight Hundred & Sixty
Quoted Rate in Words		INR Seven Lakh Eighty Two Thousand Eight Hundred & Sixty Only						

ch. m
 Begumpet Airport/ Begumpet
 Airports Authority of India
 Assistant Manager-Engg. (Elect.)
 Hyderabad-500 005 (H)
 Hyderabad-500 005

Signature Not Verified

Digitally signed by CHINTALA
VENKATESWARA RAO

Date: 2020.09.04 15:45:01 IST

Location: eProcurement System for Central
PSUs