

Government eProcurement System
Created By: SHIVANSHU KHATIK
Created Date/Time: 29-Jun-2026 01:09 PM
Tender Title: Augmentation of power supply including replacement of Non essential, Essential and APFC panel at Kandla Airport
Tender ID: 2026_AAI_278655_1

Tender Inviting Authority:

Name of Work:Augmentation of power supply including replacement of Non essential, Essential & APFC panel at Kandla Airport.

Contract No:

SCHEDULE OF WORK / ITEM(S)									
Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	DOSHI ELECTRIC ENGG. CO. (GSTN-24AAEFD3355K1ZI) BID ID -1031597	Power And Instrumentation Guj Ltd (GSTN-24AACCP4292Q1ZW) BID ID -1032144	Virtus Techno (GSTN-NA) BID ID -1032243	MACH ENTERPRISES (GSTN-NA) BID ID -1032503	WISDOM TECHNO SOLUTIONS (GSTN-NA) BID ID -1032214

					Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1.00	Supply, Installation, Testing and Commissioning of cubicle type LT panel, TP 42 (IP42 for indoor panel / IP54 for outdoor panel), suitable for 415V+/- 0%, 3 Phase, 4 wire 50 Hz AC supply system, fabricated in compartmentalized modular design from CRCA sheet steel of 2 mm thick for frame work and covers, 3 mm thick for gland, plates i/c cleaning & finishing complete with 7 tank process for powder coating in approved shade, having TPN Aluminium alloy bus bars for high conductivity, SMC bus bar supports, with short circuit withstand capacity as per design subject to minimum 50 KA for 1 sec , bottom base channel of MS section not less than 100 mm x 50 mm x 5 mm thick, fabrication shall be done in transportable sections, entire panel shall have a common Copper earth bus bar of size as per IS 3043 subject to minimum 50 mm x 6 mm at the rear with 2 Nos. earth stud, solid / flexible connections from main earth bus bar to switchgears with required size of Cooper / Aluminium conductors / bus bars and control wiring with 2.5 sqmm PVC insulated copper conductor cable (FRLS), cable alleys, cable gland plates in two half, including provision of SPD's. Surge Protection Devices (SPD'S) shall be provided at main LT cum synchronizing Panel incoming feeders (Type 1+2 / Class B) & Sub Distribution LT Panel (Type 2 / Class C) i/c providing following switchgears / accessories as per specifications. NON ESSENTIAL PANEL Main LT Panel (Panel shall conform to IEC 61439/1-2 & shall be IP-42 & of Form-4b construction). INCOMER 1. 2 nos. 630A MCCB, 4 Pole, 35 kA with adjustable setting, microprocessor release with O/C & S/C protection, Digital KWH meter with maximum demand load and current display RS485 module of class-1 accuracy with suitable range of cast resin CT including connections etc. as required. 2. HRC Fuse 800A-03 Nos. 3. 2 Set of Indication lamps, LED type R, Y, B Phase indicating lamp with 2A MCB for controlling. 4. 2 Set of Indication lamps, LED type for breaker "ON", "OFF", "TRIP" with 2A MCB for controlling. Bus Coupler 1. One no. 630A MCCB. 4 Pole. 35 kA with adjustable													

L1 Amount	L1 Vendor
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2.00	ESSENTIAL PANEL INCOMER 1. 2 nos. 400A MCCB, 4 Pole, 35 kA with adjustable setting, microprocessor release with O/C & S/C protection, Digital KWH meter with maximum demand load and current display RS485 module of class-1 accuracy with suitable range of cast resin CT including connections etc. as required. 2. HRC Fuse 800A-03 Nos. 3. 2 Set of Indication lamps, LED type R, Y, B Phase indicating lamp with 2A MCB for controlling. 4. 2 Set of Indication lamps, LED type for breaker "ON", "OFF", "TRIP" with 2A MCB for controlling. Bus Coupler 1. One no. 400A MCCB, 4 Pole, 35 kA with adjustable setting, microprocessor release with O/C & S/C protection, Digital KWH meter with maximum demand load and current display RS485 module of class-1 accuracy with suitable range of cast resin CT including connections etc. as required. 2. One Set of Indication lamps, LED type R, Y, B Phase indicating lamp with 2A MCB for controlling. 3. One Set of Indication lamps, LED type for breaker "ON", "OFF", "TRIP" with 2A MCB for controlling. Bus Bars TPN aluminium extensible type main bus bars of minimum of 1000 A capacity with heat shrinkable coloured sleeves and i/c DMC/SMC bus bars supports at required intervals complete for cross section, size supports & their spacing etc. for withstanding fault level of 50 kA capacity for 1 Sec. OUTGOINGS 1. 2 nos. 400A MCCB, 4 Pole, 35 kA with adjustable setting, thermomagnetic release with O/C & S/C protection, Digital KWH meter with maximum demand load and current display RS485 module of class-1 accuracy with suitable range of cast resin CT including connections etc. as required. 2. 2 nos. 250A MCCB, 4 Pole, 35 kA with adjustable setting, thermomagnetic release with O/C & S/C protection, Digital KWH meter with maximum demand load and current display RS485 module of class-1 accuracy with suitable range of cast resin CT including connections etc. as required. 3. 2 nos. 100A MCCB, 4 Pole, 35 kA with adjustable setting, thermomagnetic release with O/C & S/C protection, Digital KWH meter with maximum demand load and current display RS485 module of class-1 accuracy with suitable range of cast resin CT including connections etc. as required. 4. 4 nos. 63A MCCB, 4 Pole, 16 kA with adjustable setting, thermomagnetic release with O/C & S/C protection, Digital KWH meter with maximum demand load and current display RS485 module of class-1 accuracy with suitable range of cast resin CT including connections etc. as required. 5. 2 nos. 32A MCCB, 4 Pole, 16 kA with adjustable setting, thermomagnetic release with O/C & S/C protection, Digital KWH meter with maximum demand load and current display RS485 module of class-1 accuracy with suitable range of cast resin CT including connections etc. as required. Note: 1 no. ON, OFF & TRIP indication lamp (LED type) with 2 amp SP MCB for each outgoing. Provide indicating lamps with each outgoing for status indication "ON" , "OFF", "TRIP" with 2A back up MCB 1 Set Rotary operating mechanism and terminal extension spreaders for all the MCCB's	1.00	Each
2.01			

1100000.00	1100000.00	978412.00	978412.00	1111649.36	1111649.36	1000000.00	1000000.00	1143938.00	1143938.00

978412.00	Power And Instrumentation Guj Ltd
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3.00	Design, fabrication, assembly, wiring, supply, erection, testing and commissioning of APFC Panel to achieve 0.95 lag. The APFC panel should have an incomer of 800A MCCB as specified below, 433V, +/-10%, 50 Hz, 3 Phase, 35 KA. The APFC panel should be certified as per IS 16636 and IEC 61921. The capacitor bank shall comprise of capacitor units, de tuning reactors PF controllers, circuit breakers etc. The Passive section shall be microprocessor controller based for passive section and shall be able to sense the reactive current requirement of the network and shall switch ON/OFF the required stages of a capacitor bank. The Capacitor bank shall be of type tested design as IS 16636. The APFC solution should comprise of 160 KVAR. Incomer of APFC panel should be 800 A, 35 kA, 4 Pole MCCB. The 14% de-tuned capacitor bank with capacitor duty contactor suitable for following step ratings: 5 Nos. X 20 KVAR + 4 Nos. X 15 KVAR The de-tuned capacitor bank should have integrated DSP controller which shall control both the capacitors as well as Active Filter. Heavy duty capacitor shall be as per MPP low loss as per standards. Each stage of the capacitor bank should have suitable rating fuse protection. The solution should have surge arrestors and over temperature protection. The system should be with compatible with grid power or DG power supply. LED indication lamps for RYB breaker ON/OFF/TRIP with 2A control MCBs	1.00	Each
4.00	Dismantling of existing Non Essential LT Panel having 400 A MCCB, 250 A MCCB etc. (as per the SLD) including disconnection of all electrical power cables of various size 3.5C X 300 Sq.mm, 3.5 C X 185 sq.mm, 3.5C X 35 Sq.mm., 3.5C X 25 sq. mm., 3.5C X 16 sq.mm., etc. complete removal from panel, along with MCCB and other accessories, hand over to AAI, safe shifting to out side operational area location near civil store complete as required as per the instruction of EIC.	1.00	Job
5.00	Dismantling of existing Essential LT Panel having 250 A MCCB etc. (as per the SLD) including disconnection of all electrical power cables of various size 3.5C X 300 Sq.mm, 3.5 C X 185 sq.mm, 3.5CX 120 sq.mm., 3.5C X 35 Sq.mm., etc. complete removal from panel, along with MCCB and other accessories, hand over to AAI, safe shifting to out side operational area location near civil store complete as required as per the instruction of EIC.	1.00	Job
6.00	Dismantling of existing APFC Panel of capacity 100 KVAR including disconnection of all electrical power cables of various size 3.5 C X 185 sq.mm, etc. complete removal from panel, along with MCCB and other accessories, hand over to AAI, safe shifting to out side operational area location near civil store complete as required as per the instruction of EIC.	1.00	Job
7.00	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor cable of 1.1 KV grade as required.		
7.01	3.5 X 35 Sq. mm	7.00	Each
7.02	3.5 X 25 Sq. mm	2.00	Each
7.03	3.5 X 185 Sq. mm	7.00	Each
7.04	3.5 X 300 Sq. mm	6.00	Each

700000.00	700000.00	1721392.00	1721392.00	860469.66	860469.66	950000.00	950000.00	1402177.00	1402177.00
10000.00	10000.00	46000.00	46000.00	30500.00	30500.00	58000.00	58000.00	55800.00	55800.00
10000.00	10000.00	46000.00	46000.00	30500.00	30500.00	58000.00	58000.00	55800.00	55800.00
10000.00	10000.00	34500.00	34500.00	30500.00	30500.00	57000.00	57000.00	55800.00	55800.00
800.00	5600.00	466.00	3262.00	941.94	6593.58	1000.00	7000.00	2478.00	17346.00
700.00	1400.00	367.00	734.00	936.03	1872.06	1000.00	2000.00	6120.00	12240.00
1600.00	11200.00	1344.00	9408.00	2250.90	15756.30	1000.00	7000.00	4450.00	31150.00
2000.00	12000.00	2268.00	13608.00	3656.34	21938.04	1000.00	6000.00	5520.00	33120.00

700000.00	DOSHI ELECTRIC ENGG. CO.
10000.00	DOSHI ELECTRIC ENGG. CO.
10000.00	DOSHI ELECTRIC ENGG. CO.
10000.00	DOSHI ELECTRIC ENGG. CO.

3262.00	Power And Instrumentation Guj Ltd
734.00	Power And Instrumentation Guj Ltd
7000.00	MACH ENTERPRISES
6000.00	MACH ENTERPRISES

7.05	3.5 X 150 Sq. mm	1.00	Each
7.06	3.5 X 240 Sq. mm	1.00	Each
7.07	3.5 X 50 Sq. mm	1.00	Each
7.08	3.5 X 120 Sq. mm	1.00	Each

1500.00	1500.00	1033.00	1033.00	2031.30	2031.30	1000.00	1000.00	13399.00	13399.00
1800.00	1800.00	1761.00	1761.00	3123.20	3123.20	1000.00	1000.00	14327.00	14327.00
900.00	900.00	620.00	620.00	1037.00	1037.00	1000.00	1000.00	12123.00	12123.00
1400.00	1400.00	910.00	910.00	1870.26	1870.26	1000.00	1000.00	12587.00	12587.00

1000.00	MACH ENTERPRIS ES
1000.00	MACH ENTERPRIS ES
620.00	Power And Instrumenta tion Guj Ltd
910.00	Power And Instrumenta tion Guj Ltd

Total in Figures

3715800.00

4444892.00

3890481.24

3849000.00

4459555.00

Lowest Amount Quoted BY: DOSHI ELECTRIC ENGG. CO.(3715800.00)

BOQ Summary Details

Tender Title: Augmentation of power supply including replacement of Non essential, Essential and APFC panel at Kandla Airport

Tender ID: 2026_AAI_278655_1

Sheet Name	Sl.No	Bidder Name	Amount	Bid Rank
BoQ1	1	DOSHI ELECTRIC ENGG. CO. (BID ID -1031597)	3715800	L1
	2	MACH ENTERPRISES (BID ID -1032503)	3849000	L2
	3	Virtus Techno (BID ID -1032243)	3890481.24	L3
	4	Power And Instrumentation Guj Ltd (BID ID -1032144)	4444892	L4
	5	WISDOM TECHNO SOLUTIONS (BID ID -1032214)	4459555	L5

Signature Not Verified

Digitally signed by SHIVANSHU KHATIK
Date: 2026.08.11 18:29:29 IST
Location: eProcurement System for Central PSUs