



22 OCT 2025.

Dear Sirs,

QUOTATION NO: Q/PB/166/2025.

You are invited to submit your quotation for carrying out the following works.

Supply, Installation and Commissioning of 20 KVA UPS System at Passenger Terminal, HRIA, Mattala.

1. Please ensure that the **e-mail as subject** is clearly entered **Q/PB/166/2025- Supply, Installation and Commissioning of 20 KVA UPS System at Passenger Terminal, HRIA, Mattala** for easy identification of your quote. The quotation must be submitted by an email to ulpropbids@srilankan.com not later than **10:00 hrs on 04/11/2025**. [Refer clause 08 of instructions to bidders for clarifications.]
2. Any quotation received after the quotation closing time and date will not be considered. Please note that your quotation shall remain valid for a period of 01 Year.
3. All quotations should be prepared in accordance with written instructions, the specifications, drawings or samples of SriLankan Airlines Limited.
4. Any failure to comply with written instructions, the specifications, drawings or samples of SriLankan Airlines may result in the quotation being rejected.
5. Any inquiry regarding inspection of worksite or the specifications of the work could be referred to Telephone **No. 0744 44 2881 Mr. Janitha Piyasena**. Further instructions to be followed are available with this letter as instructions to bidders.
6. SriLankan Airlines Limited shall not be bound to accept whole, the lowest or any quotations. SriLankan Airlines also reserved the right to accept any quotation in part if it so desires.
7. The employer shall make advance payment to the contractor **(if required)** in an amount equivalent to 30% of the initial contract price excluding provisional sums and contingencies, after furnishing of an unconditional guarantee accordance with CIDA format by a bank to the employer. The guarantee shall remain effective until the advance payment has been repaid, but the amount of the guarantee shall be progressively reduced by the amounts repaid by the contractor. Interest will not be charged on the advance payment and bidder should bear the cost for the guarantee.

Yours faithfully,

SRILANKAN AIRLINES LIMITED
Janitha Piyasena
Facilities Manager (Electrical)

SriLankan Airlines Ltd.
Air Line Centre, Bandaranaike International Airport,
Katunayake



INSTRUCTIONS TO BIDDERS

01. The contractor bidding shall be satisfied with the information provided in the BOQ and drawings provided. If required contractor could visit the site and inspect the work to be done. Also if required could send an e-mail and obtain any missing information.
02. The contractor shall quote, meeting specifications with the intension of delivering a quality job. For any extra work items (outside items specified in BOQ) approval of rates shall be obtained in writing prior to commencement of extra works. Failing same adjustments to rates will be done without consultation.
03. Since SriLankan premises is a security restricted area you may have to be ready with Police reports, Gramasevaka reports certified by AGA and two photographs to obtain entry passes for workman and drivers when submitting quotations for the job.
04. The equipment, fittings and fixtures supplied shall have minimum one year warranty unless otherwise specifically stated in the BOQ which will overrule.
05. Retention amount will be 2.5% of certified bill value for jobs up to 1.0 million and 5% for above 1.0 million. Retention period is six months.
06. Duty free facility is available for items (excluding items restricted by the BOI) required to accomplish the project. Please do not quote SSCL, VAT & PAL for foreign component, if consignee in CUSDEC is SriLankan Airlines Limited.
07. The contractor shall make every endeavour to keep the working premises clean and tidy. Within two weeks after practical completion, debris and balance material shall be removed from the site. Any materials or saleable debris belongs to SriLankan Airlines Ltd shall be transferred to the SriLankan dumping yard. Please built in the above said cleaning, clearing and transfer cost to the BOQ if not specifically requested. In the event failure to remove balance material and debris within two weeks after completion of works cost of removal and penalty will be charged.
08. Please note that you could submit the offers on or before quotation closing time and date by email to secure email address ulpropbids@srilankan.com.
09. Time for completion period is **Four weeks** & Amount of Liquidated damages 0.05% of contract value per day.

**SriLankan Airlines Ltd.
Air Line Centre, Bandaranaike International Airport,
Katunayake**

BILL OF QUANTITIES

TYPE OF WORK : Supply, Installation and Commissioning of 20 KVA UPS System

LOCATION : Passenger Terminal, HRIA, Mattala.

QUATION NO : Q/PB/166/2025

ITEM	QTY	UNIT	DESCRIPTION	RATE	AMOUNT
1	1	Item	Supply, Installation and commissioning of 400V, 50Hz, On-line Double Conversion, three phase input, three phase output 20KVA UPS System of State of the Art Technology Comprising of build-in Solid-State Rectifier, Rectifier Charger, Inverter, Static Transfer System, Built-in Maintenance Bypass System, Internal Wiring and all other standard accessories with fully enclosed external Battery Bank (30mins backup) with standard protection and monitoring system as per the specification attached. Note: * Pls. quote only for reputed brands who has minimum 5 years continuous existance in local market. Previous references to be attached. * Price should be valid for six months from the quotation closing date * Supplier should be the Manufacturer authorised dealer or the local agent of the particulat UPS make quoted for minimum three years. * SriLankan Airlines will provide input and output MCCBs at site. SUB TOTAL : SSCL : VAT: TOTAL: NAME OF THE COMPANY: SIGNATURE: DATE: The successful bidder and his employees will be required to submit the following documents in order to obtain passes to enter SriLankan Airlines Premises. * Police Clearance Certificate. * Gramasevaka Certificate. * National Identity Card. * Recently taken Passport size Photograph. * Certified by Gramasevaka. * Stamp size photograph		

SUPPLY, INSTALLATION AND COMMISSIONING OF 20KVA UPS SYSTEM

REQUIREMENT

Supply & installation of 20kVA UPS system with 30mins backup at full load as per the specification mentioned below.

SYSTEM SPECIFICATION

ID	Description	Required Specification	Supplier response
01	System	➤ UPS system with on line double conversion topology. ➤ Input: Three phase, 400V + N + /-15%, 50Hz +/-10% balance input current. ➤ Output: Three phase 400V, 50Hz ➤ Overall Efficiency >93% from 25% to 100% load level	
02	Capacity & Upgradability	➤ 20 kVA ups system (at 0.9 power factor)	
03	Rectifier & Charger	➤ Rectifier with IGBT modules, ➤ Upstream THDI < 3% , at any load level ➤ Frequency range 45-65Hz ➤ 5 hours battery recharge time up to 90% of its rated capacity while rectifier handling the rated full load Capacity to charge the battery	
04	Inverter	➤ Inverter with IGBT modules, ➤ Output 400V AC at 50Hz ➤ Load Transient - $\pm 2\%$ for load step changes from 100% to 0 and 0 to 100% (loads turned on or off), ➤ Voltage Distortion – P-to-P<2% , P-to-N<3% ➤ Overload capacity – 1minute for 150% load, 10minute for 125% load, 5hr for 110% load	
05	Battery backup	➤ 30 mins at rated full load ➤ 10 years design life span for battery backup under 25°C environment and UPS operation charging discharging requirements. ➤ Type: Sealed VRLA ➤ Battery Brand recommend: Fiamm /Panasonic /GNB /Yuasa ➤ Vender should supply Load Bank for battery backup test.	
06	Battery Management	➤ Regulation of battery voltage according to temperature. ➤ DC Regulation charging Ripple<1%. ➤ A circuit, independent of the regulation circuit, should monitors the battery voltage and the charge current to avoid overcharging during regulation system failure. ➤ Cold Start (start on Battery)	

07	Bypass Operations	➤ Automatic no break Static bypass During over load on inverter, Inverter failure ➤ Transfer with interruption speed <15ms ➤ >110% continues over load capability on by pass mode ➤ Manual Bypass ➤ Auto restart on power recovery after full battery drain.	
08	Operating temperature	➤ 10 -50 Celsius	
09	User machine Interface (graphical display)	➤ Input – Voltage (P-P & P-N), current phase , Frequency ➤ Bypass Input – Voltage (P-P & P-N), current phase, Frequency. ➤ Inverter output – Voltage (P-P & P-N), current per phase, Frequency ➤ Inverter output – percentage of load, Power factor, KVA, KW crest factor ➤ Battery – Voltage, Discharge & charge currents, remaining Backup time, Temperature ➤ Operation status – On battery, On inverter, load on battery, UPS on, general alarm ➤ Alarm History – up to 5000events	
10	LED indication	➤ System o.k. (load protected), Major Alarm, Minor Alarm ➤ Mimic Diagram – Rectifier, Inverter, load on battery ,UPS on, Load supplied, on bypass	
11	Remote monitoring	➤ Via LAN – All UPS DATA, alarm & system control access through SNMP card ➤ Via configurable Dry contacts – Rectifier fail, Inverter fail, Low battery, Battery fault, general alarm	
12	Surge Protection	➤ < 1KV @ 8/20 us, 40kA surge current	
13	Audible noise	➤ <60 dBA @ 1m	
14	Standards	➤ Construction & safety – IEC 62040-1-2 /IEC 60950 ➤ Performance & Topology – IEC 62040-3 / EN 62040-3 ➤ EMC immunity – IEC 61000-4-2, IEC 61000-4-6, IEC 61000-4-8 ➤ EMC Emission – IEC 62040-2, ➤ Harmonics – IEC 61003-2 / IEC 61003-2 / IEC 60529 ➤ Certification - CE	
15	Delivery Period	➤ 3 Weeks	

COMPLIANCE

The compliance to technical requirements under specification should be properly filled by the supplier and submitted along with the proposal.

WARRANTY

The supplier should provide a 3 years comprehensive warranty including spare parts and the batteries from the date of installation. During the warranty period Supplier/Local Agent should provide '24hr *365day' breakdown repair & maintenance Support with spares and also requires arranging of quarterly maintenance.

POST WARRANTY SUPPORT

Supplier should be able to provide any spare part (excluding batteries) for a Minimum period of 20 years. If SLA considers coming to an annual maintenance agreement for post warranty Maintenance/repair works, supplier should be able to provide the same service Levels carried out under warranty period. General terms related to annual Maintenance contract should be provided along with the proposal.

OTHER

-All the technical documents related to UPS, Batteries, remote Monitoring facility should be provided along with the proposal. The technical literature/ Manuals shall be in English language.

-The supplier should transport, unload, position and install the full system

-Supplier/contractor should be able to complete installation within 2 working days of notification.