

**PIA**

**Pakistan International Airlines**  
Supply Chain Management Department  
Commercial Purchases Section  
Tel: 99045137, Fax: 34570120  
E-mail: [dgmpc@piac.aero](mailto:dgmpc@piac.aero)

TENDER REF : 21011231

Dated : 16-06-2022

Tender Cost: PKR 60,000

Earnest Money : 15,000

M/S \_\_\_\_\_

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Sub: Tender document for the Procurement of Network Switches with Installation

Dear Sirs,

We are pleased to invite your sealed tenders for the items listed in the attached schedule/s. In case of more than one schedule separate tender for each schedule should be furnished. The terms & conditions of the tender / supplies are given below:-

**A) SUBMISSION OF TENDER**

1. You are required to send your sealed tenders **In Single Stage Two Envelope Basis** addressed to General Manager Procurement, PIA Supply Chain Management Building JIAP Karachi by **04-07-2022**. The tenders may be dropped in the tender box marked as “**Tender Box Commercial Purchases**” placed at the entrance of the PIA Procurement & Logistics Building latest by 90:30 hours on the specified date. You may also send your tenders through registered A/D mail addressed to General Manager Procurement, which must reach before the closing date and time mentioned above. Tenders will be opened at **10:30 hours** the same day in the presence of tenderers.
2. Tenders received after stipulated date & time shall not be considered. The Corporation will not be responsible for postal delays. The decision of General Manager Commercial Purchase and Contract in this respect shall be final and binding.

**EARNEST MONEY**

The Tender should be accompanied by a Rs **15,000** of the tendered value having been deposited in terms of a Pay Order payable at Karachi in lieu thereof in the name of **M/S PAKISTAN INTERNATIONAL AIRLINES** as interest free Earnest Money (Refundable) in Financial Proposal / Security deposit in shape of Pay Order of an equivalent amount or a

Bank Guarantee for an equivalent amount countersigned by the Head Office of the Bank and to remain valid 3-months after the expiry period of the Contract. . All tenders without Earnest Money shall not be considered.

### **SECURITY DEPOSIT**

The successful tenderers upon award of Contract / Purchase Order will be required to furnish in the amount equivalent to 5% of total tender value as interest free Security deposit in shape of Pay Order of an equivalent amount or a Bank Guarantee for an equivalent amount countersigned by the Head Office of the Bank and to remain valid 3-months after the expiry period of the Contract. The Earnest Money already held can be converted into Security Deposit and balance amount if any shall be deposited as above.

### **PREPARATION OF TENDER**

Tender will be opened on “**Single Stage two envelopes**” basis. All bidders must submit **two sealed envelopes** “Technical proposal and Financial Proposal” on specified tender opening date/time. Technical Proposal will be opened on same date, whereas Financial Proposal will remain sealed till the evaluation of samples by PIA Management. Evaluation report uploaded on PPRA/PIA website. After 10 days the Financial Proposal of only those bidders will be opened whose sample are found acceptable.

#### **Financial Proposal having following documents.**

- a) The Schedule duly filled in, signed and sealed.
- b) Pay Order for Earnest Rs 15,000 Refundable).

#### **Technical Proposal having following documents.**

- a) Tender Fees Pay Order of RS. 10,000 (NOT REFUNDABLE)
  - b) Company profile, Copy of GST & NTN certificate and technical literature.
- If not provided , bid will be rejected On Spot.

**The outer cover of envelopes should bear address of the General Manager Procurement & Logistics, PIA Procurement & Logistics Building, JIAP Karachi - Pakistan, Tender reference number, opening date and company name.**

All information about the material proposed to be supplied must be given as required in the schedule to tender.

The tender will not be considered if complete information required is not given therein.

Particular attention must be paid to delivery time.

Authorized Signatures of individual signing the tender and other documents connected with the contract must specify whether signing as:

- a) Sole Proprietor or his attorney.
- b) A registered active partner of the firm or his attorney.
- c) For the firm per procreation.
- d) As secretary, Manager, Partner, etc., or their attorney in case of firms registered under Partnership Act.
- e) The Tenderers must indicate whether its firm / company / organization etc is registered with PIA or not. If registered then specify PIA Registration number.

**PRICES**

- a) The Prices quoted must be net as per accounting unit as shown in the Schedule to tender inclusive of all duties / taxes, packing, octroi and delivery charges for free delivery to Karachi Airport. However, if GST is applicable, same should be shown separately.
- b) The Prices mentioned in the tender will be treated as firm till the completion of Purchase Order / Contract.
- c) The Prices must be stated for each item separately both **in words and figures** in Pakistan Currency. Additional information, if any must be linked with entries on the Schedule to Tender.
- d) Offers must be valid for 120 days.
- e) Quotation must be written on PIA prescribed form otherwise Bids will not be entertained.
- f) 1% of the total amount will be kept by PIA Finance till the completion of Warranty.

**ACCEPTANCE OF TENDER**

PIA do not pledge themselves to accept the lowest tender and reserve the right to accept or reject any or all tenders / quotations, divide business among more than one supplier or accept the tenders at rates on lowest individual items or extend the date of opening with assigning reason.

Yours truly,  
**For: Pakistan International Airlines**

**DGM (Purchases Commercial)**

Encl:

1. Tender Schedule-A
2. Terms & Conditions

Notes: 1- Prescribed Tenders form for the subject item may be directly downloaded from PIAC / PPRA website.

**Mandatory Requirements**

No.	Descriptions	Required
1	The vendor must have 4 years consecutive experience selling Computer & IT Related items.	
2	The vendor must provide one (01) year standard warranty for offered solution with parts and labor on site.	
3	The vendor must have Physical presence in Karachi & any other City i.e. Islamabad, and Lahore	
4	Face ID machines must be compatible with the prevailing PIA TMS Machine Management Software	
5	Attached PO / SLA for Networking / IT Related Items atleast 05 PO / SLA	

S.No	Description	Qty	Per Unit Cost (PKR)	GST (if applicable), PKR	Cost of Total QTY (with GST), PKR
1	<b><u>Network Switches</u></b> 10/100/1000BASE-T port 1000BASE-X port <b><u>Detail specification mentioned below</u></b>	05			

**Terms and Conditions**

1. They have quoted the rates *inclusive of all GOVT Taxes*; but; *GST in currency separately*.
2. Required / tendered quantity may increase or decrease.
3. SCM Department (PIA) will not be held responsible for any postal delay.
4. Purchase Order will be awarded to lowest Evaluated Bidder.
5. **Delivery**: Delivery must be made as per Schedule given in Purchase Order.
6. **Validity of Quote**: Quote must be valid for **120 Days** countable from date of opening of Technical Bid.
7. **Rejection**: Item found below PIA standard shall be rejected / returned at the cost to the vendor.
8. Please quote only one rate. More than one rates bid may be consider as Rejected
9. **Guarantee / Warranty**: Guarantee & Warrantee must be provided. (if Applicable)
10. **Payment Terms**: Payment terms **NTD** (Net Thirty Days). Advance Payment shall not be made for Commercial items. Hence payment term will be NTD after submission of invoices.
11. **Deduction of Tax**: Income Tax will be deducted at source.
12. **Declaration by Bidder**: We/ I hereby affirm that all terms and conditions of the said tender are read and understood and we / I expressly confirm and agreed that our bid is in consonant to the terms and conditions of the tenders.

Tenderer's Signature \_\_\_\_\_ Designation \_\_\_\_\_

Address \_\_\_\_\_

Tel No. \_\_\_\_\_ Email \_\_\_\_\_

GST No. \_\_\_\_\_ NTN NO. \_\_\_\_\_

Seal \_\_\_\_\_

Item	Specification
Dimensions without packaging (H x W x D) [mm(in.)]	Basic dimensions (excluding the parts protruding from the body): 43.6 mm x 442.0 mm x 220.0 mm (1.72 in. x 17.4 in. x 8.7 in.) Maximum dimensions (the depth is the distance from ports on the front panel to the parts protruding from the rear panel): 43.6 mm x 442.0 mm x 227.0 mm (1.72 in. x 17.4 in. x 8.94 in.)
Dimensions with packaging (H x W x D) [mm(in.)]	90.0 mm x 550.0 mm x 360.0 mm (3.54 in. x 21.65 in. x 14.17 in.)
Chassis height [U]	1 U
Weight without packaging [kg(lb)]	2.45 kg (5.4 lb)
Weight with packaging [kg(lb)]	3.34 kg (7.36 lb)
Typical power consumption [W]	32.7 W
Typical heat dissipation [BTU/hour]	111.58 BTU/hour
Maximum power consumption [W]	47.6 W
Maximum heat dissipation [BTU/hour]	162.42 BTU/hour
MTBF [year]	66.16 year
MTTR [hour]	2 hour
Availability	>0.99999
Noise at normal temperature (acoustic power) [dB(A)]	39 dB(A)
Noise at normal temperature (acoustic pressure) [dB(A)]	27.2 dB(A)
Number of card slots	0
Number of power slots	0
Number of fans modules	1
Redundant power supply	Not supported
Long-term operating temperature [°C(°F)]	-5°C to +50°C (23°F to 122°F) (0 m to 1800 m altitude, non-industrial optical modules) -5°C to +55°C (23°F to 131°F) (0 m to 1800 m altitude, industrial optical modules with transmission distances less than or equal to 10 km)

Item	Specification
Short-term operating temperature [°C(°F)]	Not supported
Restriction on the operating temperature variation rate [°C(°F)]	When the altitude is 1800-5000 m (5906-16404 ft.), the highest operating temperature reduces by 1°C (1.8°F) every time the altitude increases by 220 m (722 ft.). The switch cannot be started when the ambient temperature is lower than 0°C (32°F). The operating temperature ranges from -5°C to +45°C (23°F to 113°F) when optical modules with transmission distances greater than or equal to 70 km are used.
Storage temperature [°C(°F)]	-40°C to +70°C (-40°F to +158°F)
Long-term operating relative humidity [RH]	5% to 95%, noncondensing
Long-term operating altitude [m(ft.)]	0-5000 m (0-16404 ft.)
Storage altitude [m(ft.)]	0-5000 m (0-16404 ft.)
Power supply mode	AC built-in
Rated input voltage [V]	AC input: 100 V AC to 240 V AC, 50/60 Hz
Input voltage range [V]	AC input: 90 V AC to 290 V AC, 45 Hz to 65 Hz
Maximum input current [A]	2 A
Memory	512 MB
Flash memory	512 MB
Console port	RJ45
Eth Management port	Not supported
USB	Not supported
RTC	Not supported
RPS input	Not supported
Service port surge protection [kV]	Common mode: ±7 kV
Power supply surge protection [kV]	±6 kV in differential mode, ±6 kV in common mode
Types of fans	Built-in
Heat dissipation mode	Heat dissipation with fan, intelligent fan

Item	Specification
	speed adjustment
Airflow direction	Air intake from left and front, air exhaustion from right
PoE	Not supported
Switching Capacity <sup>2</sup>	56 Gbit/s/336 Gbit/s
Fixed Ports	24 x 10/100/1000Base-T ports, 4 x GE SFP ports
PoE+	Not supported