

PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA)

CONTRACT AWARD PROFORMA – I **(As per Rule 47 of PP Rules, 2004)**

To Be Filled And Uploaded on PPRA Website In Respect of All Public Contracts of Works, Services and Goods

- NAME OF THE ORGANIZATION/DEPTT. **PAKISTAN NATIONAL SHIPPING CORPORATION (PNSC)**
- FEDERAL / PROVINCIAL GOVT: **FEDERAL GOVERNEMENT**
- TITLE OF CONTRACT: **TENDER FOR PROCUREMENT OF CORE NETWORK SWITCHES WITH ACCESSORIES FOR PNSC HEAD OFFICE BUILDING**
- TENDER NUMBER: **PRCD/NTWR-SWTH/PNSC/2022/137**
- BRIEF DESCRIPTION OF CONTRACT: **PROCUREMENT OF CORE NETWORK SWITCHES WITH ACCESSORIES**
- TENDER VALUE: **PKR: 14,832,131.38**
- ENGINEER'S ESTIMATE: **N/A**
(for civil Works only)
- ESTIMATED COMPLETION PERIOD: **SIXTEEN (16) TO TWENTY (20) WEEKS (AFTER ISSUANCE OF PURCHASE ORDER DATE)**
- WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN? **YES**
- ADVERTISEMENT :
 - (i) PPRA Website: **YES – 26/5/2022 – (TS482066E)**
(Federal Agencies) (If yes give date and PPRA's tender number)
 - (ii) NEWS PAPERS: **EXPRESS TRIBUNE KARACHI & ROZNAMA AUSAF, - (DATED: 28-05-2022),**
(If yes give names of newspapers and dates)
- TENDER OPENED ON (DATE & TIME): **13/06/2022 – (03:00 P.M),**
- NATURE OF PURCHASE: **LOCAL**
- EXTENSION IN DUE DATE (If any): **N/A**
- NUMBER OF TENDER DOCUMENTS SOLD: **FREE OF COST–AVAILABLE AT www.pnsc.com.pk**
(Attach list of Buyers)
- WHETHER QUALIFICATION CRITERIA WAS INCLUDED IN BIDDING/TENDER DOCUMENTS: **YES.**



4: 2 :-

➤ WHETHER BID EVALUATION CRITERIA WAS INCLUDED IN BIDDING / TENDER DOCUMENTS: YES.

➤ WHICH METHOD OF PROCUREMENT WAS USED: - (Tick one)

a) **SINGLE STAGE – ONE ENVELOPE PROCEDURE** _____

b) SINGLE STAGE - TWO ENVELOPE PROCEDURE. _____

c) TWO STAGE BIDDING PROCEDURE. _____

d) TWO STAGE – TWO ENVELOPE BIDDING PROCEDURE. _____

- PLEASE SPECIFY IF ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED WITH BRIEF REASONS (i.e EMERGENCY, DIRECT CONTRACTING, NEGOTIATED TENDERING ETC.).

- WHO IS THE APPROVING AUTHORITY: CHAIRMAN (PNSC)

➤ WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A METHOD OTHER THAN OPEN COMPETITIVE BIDDING: N/A

➤ NUMBER OF BIDS RECEIVED: TWO (02)

➤ WHETHER THE SUCCESSFUL BIDDER WAS LOWEST BIDDER: YES

➤ WHETHER INTEGRITY PACT WAS SIGNED: YES



PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA)

(As per Rule 47 of PP Rules, 2004)

CONTRACT AWARD PROFORMA – II

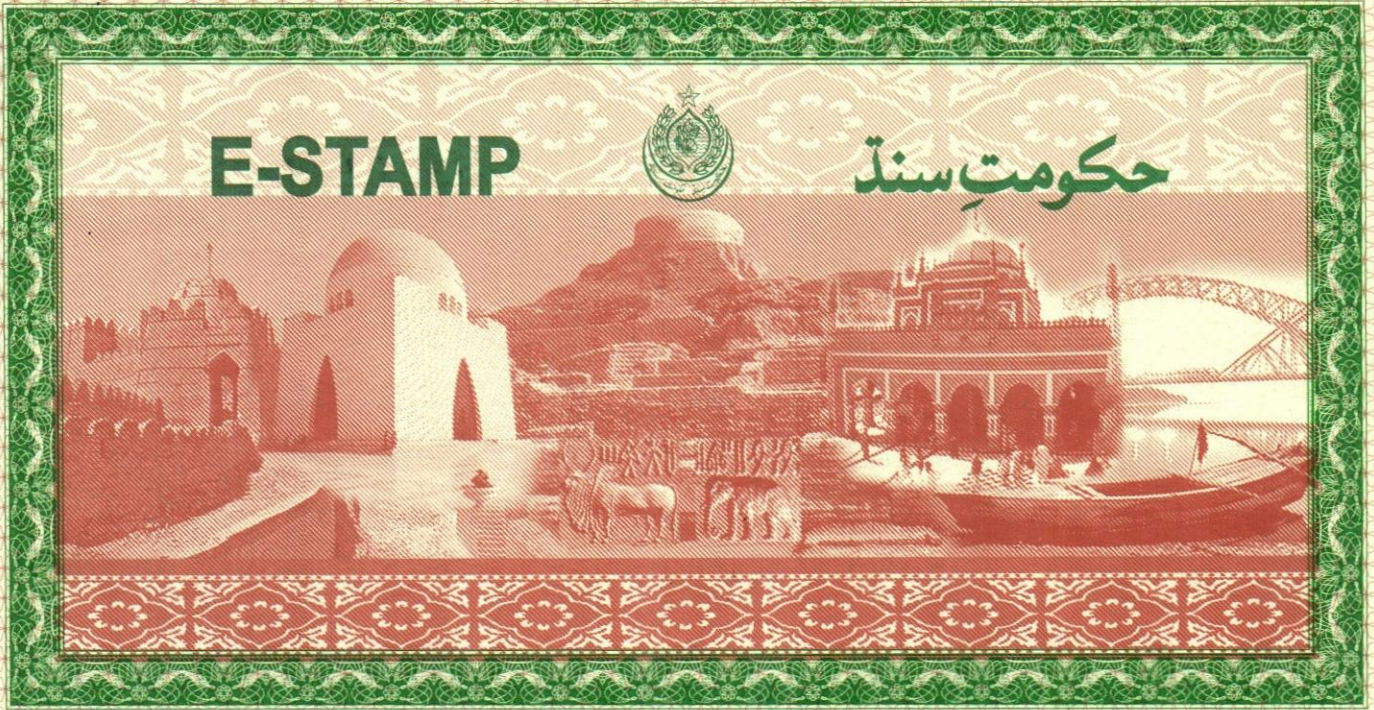
To Be Filled And Uploaded on PPRA Website In Respect of All Public Contracts of Works, Services & Goods

- NUMBER OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS: **YES**
- NAME AND ADDRESS OF THE SUCCESSFUL BIDDER: **M/S. HYBRID TECHNOLOGIES, OFFICE #. A-1712, 17TH FLOOR, TOWER A SAIMA TRADE TOWER, II CHUNDRIGAR ROAD, KARACHI.**
- RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT (i.e. 1st, 2nd, 3rd EVALUATED BID): **FIRST LOWEST & MOST ADVANTAGEOUS BIDDER**
- NEED ANALYSIS (Why the procurement was necessary?) **YES**
- IN CASE EXTENSION WAS MADE IN RESPONSE TIME, WHAT WERE THE REASONS: **N/A**
- WHETHER NAMES OF THE BIDDERS AND THEIR PRICES WERE READ OUT AT THE TIME OF OPENING OF BIDS: **YES**
- DATE OF CONTRACT SIGNING: **19-JULY-2022**
(Attach a copy of agreement)
- CONTRACT AWARD PRICE: **PKR: 14,832,131.38**
- WHETHER COPY OF EVALUATION REPORT GIVEN TO ALL BIDDERS: **YES**
(Attach copy of the bid evaluation report)
- ANY COMPLAINTS RECEIVED: **NO**
(If yes result thereof)
- ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER NOTICE/DOCUMENTS: **NO**
(If yes give details)
- DEVIATION FROM QUALIFICATION CRITERIA: **NO**
(If yes give details)
- SPECIAL CONDITIONS, IF Any: **NO**
(Give Brief Description)

[F.No.2/1/2008PPRA-RA.III]



026425



2041-2207190000918928

GoS-KHI-FC427E876E392AE5

Non-Judicial

Rs 51,913/-

Description : Contract - 15(a)
 Principal : NATIONAL SHIPPING CORPORATION [00000-0000001-1]
 Contractor : HYBRID TECHNOLOGIES [00000-0000001-1]
 Applicant : MUHAMMAD MUBASHIR [42101-1290522-3]
 Stamp Duty Paid by : HYBRID TECHNOLOGIES [00000-0000001-1]
 Issue Date : 19-Jul-2022, 01:21:23 PM
 Paid Through Challan : 20229F786FE9779B
 Amount in Words : Fifty One Thousand Nine Hundred and Thirteen Rupees Only

Please Write Below This Line

TENDER NO. PRC/NTWR-SWTH /PNSC/2022/137

FORM OF CONTRACT

This Contract is made and entered into at Karachi on the 19 Day of JULY, 2022.

- BY & BETWEEN -

PAKISTAN NATIONAL SHIPPING CORPORATION(PNSC) a Statutory body incorporated under Pakistan National Shipping Corporation Ordinance 1979 (XX of 1979) having its Head Office at P.N.S.C Building, Moulvi Tamizuddin Khan Road, Karachi, Pakistan (hereinafter referred to as the "Corporation", which term wherever it occurs In this contract shall mean and include its successors-in-interest, executors and permitted assign); party of the FIRST PART.

-AND-

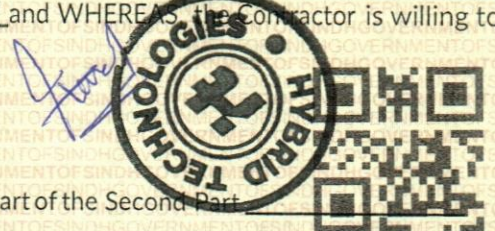
M/S Hybrid Technologies duly organized and existing under the laws of Pakistan having its registered office at C-10 KDA Scheme 1 Off Road Karachi (Pakistan) (hereinafter referred to as "Contractor / Supplier" which term wherever it occurs in these presents shall mean and include its successors-in-interest, executors and permitted assign); party of the SECOND PART.

"(The PNSC and the Contractor / Supplier hereinafter referred to individually as "Party" and collectively as the "Parties")"

WHEREAS the PNSC wishes to have the Contractor perform the services hereinafter referred to as "Supply of Core Network Switches With Accessories after sales support during warranty/ maintenance /Support Period" and WHEREAS the Contractor is willing to supply these equipment.

Initial for party of the First Part

Initial for part of the Second Part





TENDER NO. PRCD/NTWR-SWTH /PNSC/2022/137

The following documents shall be deemed to form and be read and construed as part of this Contract.

- i. This Contract Agreement.
- ii. PNSC's Notification of Award.
- iii. Bid Form and
- iv. Terms and condition.
- v. Integrity Pact

Now therefore, in consideration of the mutual terms and conditions herein contained, It is agreed by and between the parties as follows:"

TERMS AND CONDITIONS

1 SERVICES

The Contractor shall perform the services specified in Scope of work, which is made an integral part of this Contract ("the Services").

2. GENERAL REQUIREMENTS

a. bidder shall take responsibilities for the delivery of all necessary/identified documents and reference material describing the installation of Supply of Core Network Switches with Accessories.

- a) Bidder shall be responsible for delivery of quality products Supply of Core Network Switches with Accessories
- b) Bidder shall make sure that the deliverables are formally approved and accepted by PNSC.

3. Delivery Location & Time



The bid has been accepted and approved by the PNSC Management, Successful Bidder shall deliver the required Core Network Switches with accessories at 1st Floor, MIS Department PNSC Building M.T. Khan Road Karachi. Delivery of equipment shall be made within Sixteen (16) to Twenty (20) Weeks from the Purchase Order date, which shall be considered as 100% supply. In case, bidder(s) delays the 100% supply or fails to execute the Purchase Order as indicated above, Penalty Clause No. 5, shall be applicable on them.

4. WARRANTIES/MAINTENANCE/ SUPPORT/ SERVICES

- a) All equipments/products will be inspected/tested and, if found faulty/damaged, shall be replaced by the bidder at the bidder's cost within Fifteen (15) days.
- b) Bidder shall be responsible for Cable Management, installation, commissioning and other related installations etc. in existing Rack. Configuration of VLANs and other related configurations etc. must be performed by the bidder.
- c) Bidder shall provide the Principal Comprehensive warranty of all products/Equipment/ Accessories quoted in Tender Document from the date of delivery commissioning of the equipment. Detail is:
 - Lifetime Principal Warranty (minimum 20 Years Onsite and Comprehensive Principal Warranty of Hardware / Software and updates with Support/ Service)

- d) Bidder shall also provide onsite maintenance/support service for each category of products to be clearly stated in the quotations.
- e) Bidder and principle shall provide Immediate technical support within 04 to 06 hours and provide backup of faulty accessories/equipment with same specification during warranty/maintenance/ support period. Customer Support and maintenance office should be In Karachi.


Initial for party of the First Part _____



Initial for part of the Second Part _____

5. PENALTY / LIQUIDATED DAMAGES

- i. In the event of delay in supply of quoted product, PNSC will impose liquidated damages; bidder shall pay Liquidated Damages to PNSC at a rate of 0.2% per day of delay, subject to a maximum of Ten Percent (10%) of the contract amount. Also Contract may be cancelled and Performance Guarantee may be forfeited.
- ii. In case, bidder fails to execute the Purchase Order in full or in part as per delivery Clause, PNSC has the right to get the work executed from third party at the risk and cost of the bidder, as well as recover the amount of loss from its Performance Guarantee and/ or any payment due by PNSC to the bidder.

6. ASSEMBLING

- i. Bidder shall be responsible for entire Assembling, Installation and Commission on-site all supplied Supply of Core Network Switches With Accessories as mentioned In Bid Form and make It operational (Shall be completed within 07 days after 100% supply).
- ii. Bidder shall be responsible to provide Brochures/Technical documents/Installation Guides/Physical License with documents and media (Installation kit) and any other related documents of Products /Items/Software's.

7. PAYMENT

- a. RATES PNSC shall pay the Contractor In accordance with the Purchase order, as per agreed rates provided by the Contractor in the form of Bid at the time of bid submission
Performance Standard
Contractor undertakes to perform the Services with the highest standards of professional and ethical competence and integrity.

9. OWNERSHIP OF MATERIAL

The services and products rendered or support under the Purchase Order, as a result of this Tender Document will be the sole property of PNSC.

10. CONTRACTOR NOT TO BE ENGAGED IN CERTAIN ACTIVITIES

The Contractor agrees that, during the term of this Contract and after its termination, the Contractor and any entity affiliated with the Contractor, shall be disqualified from providing goods, works or services (other than the Services and any continuation thereof) for any project resulting from or closely related to the Services.

11. INSURANCE

The Contractor will be responsible for taking out any appropriate insurance coverage.

12. NO ASSIGNMENT OR SUBCONTRACTING

The Contractor shall not assign its right or obligation under this contract, in whole or in part, nor enter into any subcontract to perform any portion of this contract, without the written consent of PNSC.

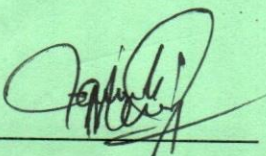
13. LAW GOVERNING CONTRACT AND LANGUAGE

The Contract shall be governed by the laws of Pakistan, and the language of the Contract shall be English.

14. DISPUTE RESOLUTION

- a. This Contract shall be governed by the laws of the Islamic Republic of Pakistan and the courts at Karachi shall have exclusive jurisdiction.
- b. Any claims, demands, cause of action, controversies, dispute (s) in relation to any matter connected with or arising out of the Contract including any question regarding its existence, breach, validity or termination and not amicably settled between the parties themselves shall be referred to arbitration by appointing a Sole arbitrator mutually accepted to the parties hereto. or to two arbitrators, one each to be appointed by the two parties, and the said Arbitrators shall appoint an Umpire before entering upon the reference, and the award of such Sole Arbitrator or the two arbitrators or the Umpire, as the case may be, shall be final and binding on both the parties. The arbitration shall be governed by the Arbitration Act 1940 as modified or re-enacted the venue of arbitration shall be at Karachi.

Initial for party of the First Part



Initial for part of the Second Part



15. EFFECTIVENESS

The Contract shall become effective upon execution by PNSC and Contractor.

16. TERMINATION FOR DEFAULT

PNSC, without prejudice to any other remedy for breach of Contract, by giving one month written notice of default sent to the Contractor, may terminate this Contract in whole or in part:

- a. If the Contractor fails to complete the contracted works / Services, within the period/s allowed specified in the Contract or within any extension thereof granted by PNSC.
- b. If the Contractor fails to perform any other obligation/s under the Contract and/or violation/contravention of any other terms and conditions mentioned therein.
- c. If the Contractor assigns any of this service and/or in case of found corrupt or fraudulent practices In competing for or In executing the Contract.
- d. If the PNSC during the completion period of the Contract has reason to believe that Contractor will not be able to fulfill obligations under the contract.

17. CONTRACT AMENDMENTS

No variation in or modification of the terms of Contract shall be made except by written amendment signed by the parties.

18. CONTRACTOR'S PERFORMANCE EVALUATION

Under this contract, the contractor's performance will be monitored and evaluated by PNSC In order to enable the assessment on the effectiveness, efficiency and / or consistency of services provided. The results of the evaluation will be communicated to the contractor In order to enable the Improvements of services. The extension of this contract for further period will take into consideration the results of the performance evaluation.

19. INDEMNIFICATION

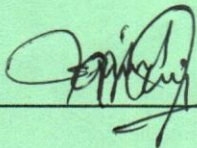
Contractor agrees to indemnify and hold harmless PNSC from any and all claims or liabilities which may arise in the performance of this contract.

20. FORCE MAJEURE

- a. Neither party hereto shall be liable for any breach of the obligations hereunder resulting from causes beyond its reasonable control including, but not restricted to, act of God, public enemy, flood, storms, earthquake, epidemics, fire, hostilities, war (declared or undeclared), terrorism, strikes (of its own or other employees), riots, insurrection or embargoes etc.
- b. Each of the parties hereto agrees to give notice within 10 days forthwith to the other upon becoming aware of an event falling within the ambit of this Article, detailing the Circumstances giving rise to such event.
If a default due to such an event shall continue for more than Ninety (90) days then the party not in default shall be entitled to terminate this Contract. In such a case, neither party shall have any liability to the other in respect of termination of this Contract.

21. The successful bidder shall affix the Contract Form and Terms & Conditions on Original Non-Judicial Stamp Paper of Rs. 100/- and stamp Duty (@35 thirty five palsa) for every hundred rupees of Total Contract Amount.

Initial for party of the First Part

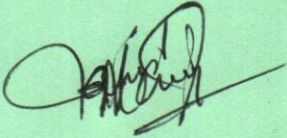




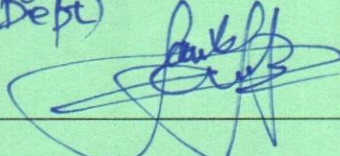




Initial for part of the Second Part



TENDER NO. PRCD/NTWR-SWTH /PNSC/2022/137

"IN WITNESSETH WHEREOF, the parties hereto have signed this Contract and has caused the common seal to be affixed on the Contract in the manner hereinafter appearing on the day and year first here-In-above written."

For and Behalf: Pakistan National Shipping Corporation (PNSC)	For and Behalf: M/S Hybrid Technologies
Signature: 	Signature:  
Name: DANISH MERAJ	Name: Hammad Sheeraz
Designation: MANAGER	Designation: Business Development Manager
Telephone No 99203977	Telephone No: 021-34382680
Seal 	Seal 
Witness 1. Farrukh Damer (MIS Dept) 	Witness 2. Mr. Salman Saleem  

TENDER NO. PRCD/NTWR-SWTH /PNSC/2022/137

INTEGRITY PACT

DECLARATION OF FEE. COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACT WORTH PKR. 10.00 MILLION OR MORE

Contract Number: TENDER NO. PRCD/NTWR-SWTH /PNSC/2022/137

Contract Value: Rs 14,832,131.38

CONTRACT TITLE: TENDER FOR PROCUREMENT OF Supply of Core Network Switches With Accessories

This is an integrate part of contract agreement signed by and between Pakistan National Shipping Corporation and M/s. Hybrid Technologies Dated _____

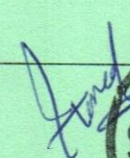


M/s. Hybrid Technologies as the Supplier/ contractor hereby declares that it has not obtain or induce the procurement of any contract, right, interest privilege or other obligation or benefit from Government of Pakistan or any administrative subdivision or agency thereof or any other entity owned or con by it (GOP) through any corrupt business practice.

Without limiting the generality of the foregoing, the Supplier/Contractor represents and warrants that It has fully declared that brokered, commission fees etc, paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent associate, broker, consultant, director promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe finder's fee of kickback, whether described as consultation fee or otherwise with the object of obtaining or including the procurement of contract, right inters, privilege or other obligation or benefit in whatsoever from GOP, except that which has been expressly declared pursuant hereto.

The Supplier / Contractor certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GOP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

The Supplier / contractor accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting, facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to GOP under any law, contract or other instruments, be voidable at the option of GOP.

Notwithstanding any right and remedies exercised by GOP in this regard, the Supplier / contractor agrees to indemnify GOP for any loss or damage incurred by it by it on account of its corrupt business practice and further pay compensation to GOP in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given the Security Agencies / contractor as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right interest, privilege other obligate in whatsoever from GOP.

For and Behalf: Pakistan National Shipping Corporation (PNSC)	For and Behalf: M/S Hybrid Technologies
Signature	Signature 
Name:	Name: Hammad Sheeraz
Designation:	Designation: Business Development Manager
Telephone No:	Telephone No: 021-34382680
Seal	Seal 
	

FINAL EVALUATION REPORT

(As Per Rule 35 of PP Rules, 2004)

1. NAME OF PROCURING AGENCY : PAKISTAN NATIONAL SHIPPING CORPORATION,
2. METHOD OF PROCUREMENT : SINGLE STAGE ONE ENVELOP PROCEDURE AS PER PPR RULE 36(a) OF PPR 2004.
3. TITLE OF PROCUREMENT : TENDER FOR PROCUREMENT OF CORE NETWORK SWITCHES WITH ACCESSORIES FOR PNSC HEAD OFFICE BUILDING
4. TENDER INQUIRY NO. : PRCD/NTWR-SWTH/PNSC/2022/137
5. PPRA REF. NO. (TSE) : TS482066E
6. DATE & TIME OF BID CLOSING : 13-06-2022, (02:30 P.M)
7. DATE & TIME OF BID OPENING : 13-06-2022, (03:00 P.M)
8. NO OF BIDS RECEIVED : TWO (02).
9. CRITERIA FOR BID EVALUATION : LOWEST EVALUATED BID,
10. DETAILS OF BID(S) EVALUATION : DETAILS AS TABULATED;

Name of bidders	Marks		Evaluated Cost	Rules/ Regulation/ SBD*/Policy/ Basis of Rejection/ Acceptance as per Rule 35 of PP Rules, 2004
	Technical	Financial		
M/S HYBRID TECHNOLOGIES	-	LOWEST	<u>14,832,131.38</u>	ACCEPTED AS PER PPRA RULE NO. 38, BEING MOST ADVANTAGEOUS BID,
M/S SG TECHNICAL SERVICES (Pvt.) Ltd,	-	-	14,964,793.17	SECOND LOWEST BIDDER

MOST ADVANTAGEOUS BIDDER : M/S HYBRID TECHNOLOGIES

11. Any other additional / supporting information, SCANNED BIDDERS ELIGIBILITY CRITERIA, TECHNICAL EVALUATION REPORT & BIDDERS COMPARISON REPORT ARE ATTACHED

Signature:

ALI IMAM QADRI
General Manager (Procurement)

Official Stamp:

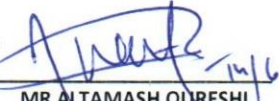
Standard Bidding Documents (SBD).


Bidders Comparison of Core Network Switches with Accessories

S#	Description	Qty	SG Technical Services (Pvt) Ltd.			Hybrid Technologies			Total Bid Amount (Lowest)
			Brand & Model	Unit Price with GST	TOTAL Price with GST	Brand & Model	Unit Price with GST	TOTAL Price with GST	
1	Core Network Switch With Accessories	2	ARUBA 5406R	7,482,396.58	14,964,793.17	ARUBA 5406R	7,416,065.69	14,832,131.38	14,832,131
TOTAL					14,964,793.17			14,832,131.38	


 MR S.M TAHA KAZMI
 Deputy Manager (MIS)
 Member Tender Committee


 MR DANISH MERAJ
 Deputy Manager (MIS)
 Member Tender Committee

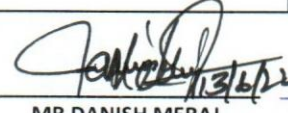

 MR ALTAMASH QURESHI
 Manager (Finance)
 Member Tender Committee

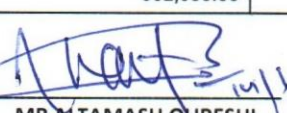

 DR MUHAMMAD KHURSHEED FAROOQI
 General Manager (Workshop)
 Chairman Tender Committee


Eligibility Criteria of Tender for Core Network Switches with Accessories

S#	Description	SG Technical Services (Pvt) Ltd.	Hybrid Technologies
1	Bidder should have National Tax Number (N.T.N) and General Sales Tax (G.S.T) (Valid copies to be attached).	Submitted	Submitted
2	Bidder should be enrolled/ enlisted on Active Taxpayers List (A.T.L) of FBR (Valid copy must be attached).	Active	Active
3	Bidder should be Principal Authorized Enterprise Partner/Tier One/Premier/Platinum/Gold Partner of the quoted Product (Valid copy to be attached).	Submitted	Submitted
4	Bidder must be at least Authorized Service Delivery Partner of the quoted OEM (Valid copy of OEM to be attached).	Submitted	Submitted
5	Bidder should have minimum 03 OEM Certified Engineers of Servers / quoted Product (Copy of valid certificates to be attached). Bidder's office should be in Karachi, Lahore and Islamabad.	Submitted	Submitted
6	Manufacturer Authorization letter is required from Principal (Valid copy to be attached with date and Tender No).	Submitted	Submitted
7	Quoted OEM should be in Gartner Challenger / Leader quadrant in Wired and Wireless LAN Infrastructure. (Valid copy to be provided).	Submitted	Submitted
8	Bidder is required to submit last Five (05) Year's audited financial statements/report of the Firm/Company showing the financial stability.	Submitted	Submitted
9	Bidder should have minimum annual turnover of 30 Million Rupees in last 3 years. (Copies of Bank statement /audited copies or any other documentary proof to be attached).	Submitted	Submitted
10	Bidder shall have minimum 05 similar type of supplies (Copies of POs / Invoices to be attached).	Submitted	Submitted
11	Original Equipment Manufacturer (OEM) should have local parts depot in Karachi (Share the complete address).	Submitted	Submitted
12	Affidavit of undertaking that firm(s) or it's affiliated/ concerns are not blacklisted by any Government / Semi-Government / Regularity Body / Public Sector Organization.	Submitted	Submitted
13	Bid Security (in PKR)	302,000.00	300,000.00


MR S.M TAHA KAZMI
 Deputy Manager (MIS)
 Member Tender Committee


MR DANISH MERAJ
 Deputy Manager (MIS)
 Member Tender Committee


MR ALTAMASH QURESHI
 Manager (Finance)
 Member Tender Committee


DR MUHAMMAD KHURSHEED FAROOQI
 General Manager (Workshop)
 Chairman Tender Committee

TECHNICAL EVALUATION OF CORE NETWORK SWITCHES WITH ACCESSORIES (QTY: 02)

SPECIFICATION		VENDOR NAME	
		SG Technical Services (Pvt) Ltd.	Hybrid Technologies
Brand Name	CORE NETWORK SWITCH ARUBA 5406R OR EQUIVALENT	ARUBA 5406R	ARUBA 5406R
Requirement	Modular chassis with redundant supervisor/management modules and redundant power supplies (populated) – 4U Height or above	✓	✓
	1G RJ45 ports – 20 Nos (Auto-MDIX)	✓	✓
	10G SFP+ ports - 24 Nos or above	✓	✓
	1/10G Copper ports - 4 Nos or above	✓	✓
	10G SFP+ LC SR MMF (300m) Transceivers – 24 Nos or above (same OEM)	✓	✓
	MMF Optical Fiber Patch Cords (5m) – 24 Nos	✓	✓
	Ethernet Core 2 Core Patch Cord (10G/40G/100G support) – 08 Nos	✓	✓
	Forwarding performance - 571 Mpps	✓	✓
	Switching Fabric Speed - 1 Tbps	✓	✓
	VLans – 4000 or above	✓	✓
	Switch should have at least 6 dedicated Line Card (I/O) slots. Any other card such as SUP, management module, fabric etc is not considered line cards.	✓	✓
	Switch should have at least 2 or more Line Card slots empty after loading required port requirements.	✓	✓
	Switch should support redundant management modules.	✓	✓
	Line rate performance on all ports	✓	✓
	Mac address table size - 64,000	✓	✓
	Support	6 Slot or above in Modular Chassis	✓
SDN/Openflow 1.3, VxLAN, MACsec		✓	✓
Packet Storm Protection, Advance QoS		✓	✓
Rate limiting, 802.1p, Port based Rate limiting		✓	✓
Radius/TACACS+, 802.1ab - LLDP		✓	✓
sFlow / Netflow / Jflow, UDLD / DLDP or equivalent		✓	✓
Dual stack - IPv4 and IPv6		✓	✓
SNMPv1/2/3, 802.3x, 802.3az		✓	✓
STP/RSTP/MSTP/RPVST+ or equivalent		✓	✓
DHCP Server, Access Control Lists		✓	✓
Static IP Routing + RIP + OSPFv2 + BGP		✓	✓
Static IPv6 Routing + RIPng + OSPFv3		✓	✓
802.1x - Per user ACL and dynamic VLAN assignment		✓	✓
Multiple IEEE 802.1x users per port		✓	✓
Concurrent IEEE 802.1X, Web, and MAC authentication schemes per port		✓	✓
MAC Based authentication		✓	✓
Port Security, Port mirroring		✓	✓
Source port filtering, GVRP / MVRP, CDP / LLDP		✓	✓
IP Source Guard, Dynamic ARP Inspection		✓	✓
802.3az, Telnet / SSHv2		✓	✓
Stacking over 10G/40G/100G uplinks. At least 2 switches should be stacked to form single virtual switch	✓	✓	
Accessories	Brochures & Catalogues, Power Cords, PDU with Interconnect Cords (10 Nos at least), Switch Console Cables, CAT 6 Patch Cords, Fiber Patch Cords, Rack Mount Kit, Cable Management Arm and all other related accessories for installation	✓	✓

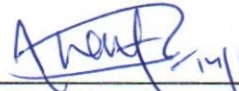
TECHNICAL EVALUATION OF CORE NETWORK SWITCHES WITH ACCESSORIES (QTY: 02)

SPECIFICATION		VENDOR NAME	
		SG Technical Services (Pvt) Ltd.	Hybrid Technologies
Software	Network Management Software from same OEM shall be provided to manage and monitor the quoted switch. License shall be perpetual. Subscription licenses are not acceptable.	✓	✓
Warranty	Lifetime Principal Warranty (minimum 20 Years Onsite and Comprehensive Principal Warranty of Hardware / Software and updates with Support / Service)	✓	✓
TOTAL PRICE QUOTED (PKR)		14,964,793.17	14,832,131.38

In Core Switches with Accessories, 02 Vendors M/s S.G Technical Services (Pvt.) Ltd and M/s Hybrid Technologies participated and fulfilled the qualification criteria and required specification. **M/s Hybrid Technologies** quoted **Aruba 5406R brand** Core Switch with accessories and is the advantageous bidder as the quoted price is lowest. Hence recommended to procure from **M/s Hybrid Technologies**.


 MR S.M TAHA KAZMI
 Deputy Manager (MIS)


 MR DANISH MERAJ
 Deputy Manager (MIS)


 MR ALTAMASH QURESHI
 Manager (Finance)


 DR MUHAMMAD KHURSHEED FAROOQI
 General Manager (Workshop)