



NATIONAL TELECOMMUNICATION CORPORATION

REQUEST FOR TENDER OF

**SUPPLY OF HUAWEI MA5600T OLT BOARDS
FOR NTC SITES AT ISLAMABAD & RAWALPINDI**

Tender Notice No:

DESW/333-D(b)/2025-26

Dated: 23-04-2026

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SECTION – I

INSTRUCTIONS TO THE BIDDERS

1. GENERAL

1.1. INTRODUCTION

National Telecommunication Corporation was established in 1996 under Pakistan Telecommunication Re-Organization Act 1996; NTC has a definite mandate to provide basic telecommunication services to its designated customers, which include Federal and Provincial Governments, their departments, autonomous organizations and Defense Forces throughout the country. In addition, NTC established a countrywide Multi-Services Data Communication Network based on state-of-the-art technologies. Furthermore, 4 pair of Soft-switches in hot-standby mode have been deployed for Class-IV and Class-V services. NTC has installed DWDM network throughout the country by moving to STM-64 and DWDM that have provisioning of 400-Gb transmission capacity on the long-haul network. Besides this NTC has state of the art Tier-3 Data Centers at Islamabad & Lahore.

1.2. SCOPE OF WORK

1.2.1 NTC intends to undertake for “**SUPPLY OF HUAWEI MA5600T OLT BOARDS FOR NTC SITES AT ISLAMABAD & RAWALPINDI**” as per BOQ Annexure “**A**” & Technical Specifications Annexure “**B**”.

1.2.2 The incumbent bidder is bound to offer the **Equipment / Store and Services** as per BOQ in Annexure-A).

2. ELIGIBILITY CRITERIA OF BIDDERS

2.1. Invitation of proposal is open to all telecom equipment manufacturers, suppliers, authorized dealers, vendors, contractors, who meet the following criteria

2.1.1 Registered with income tax and sales tax departments of Pakistan.

2.1.2 The vendors/contractors/supplier must have a Backup support office in Islamabad.

2.1.3 Never been black listed from any government organization and will submit certificate on legal paper to this effect.

2.1.4 Never been involved in litigation with any government organization and will submit certificate on legal paper to this effect.

Any of its unit quoted by bidders must not be manufactured in Israel or India. Furthermore, the Bidder/Principal supplier must not have any linkage with Israel or India regarding ownership, sponsoring and financing. (Bidders shall submit an affidavit on legal paper with this respect

2.2 The incumbent bidder shall have relevant experience of supplying such items NTC, PTCL, SCO & other telecom organizations of worth more than 2M. The bidder shall provide detail of previous supply record covering following information:

2.2.1 Contract /Purchase Order Value

2.2.2 Contract /Purchase Order Date & Year

2.2.3 Name of Customer with name of relevant contact person

2.2.4 Details of items offered/supplied.

Note: Bidder must submit documentary proof against Sr. # 2.1.1 to 2.1.4. Fulfillment of all conditions of “Eligibility criteria” is mandatory for a successful bidder to be qualified for Evaluation along with other mandatory conditions set in tender documents.

3. COST OF TENDERING

The bidder shall bear all costs associated with the preparation and submission of its bid and the NTC will be in no case responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.

4. CLARIFICATIONS OF TENDER DOCUMENTS

A prospective bidder requiring any clarification(s) regarding technical / commercial matter may notify to Concerned DE / Director NTC in writing. The concerned NTC officer will respond to any request for clarification, which receives well before (approximate 05 working days or more) the deadline of the submission of bids. Copies of NTC response will be forwarded to all prospective bidders (if not already clarified in the tender or deemed necessary for the bidder).

5. AMENDMENT OF TENDER DOCUMENTS

- 5.1. At any time prior to the deadline for submission of bids, the NTC may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective bidder, modify the tender documents by issuing amendment.
- 5.2. Any amendment thus issued through same media shall be part of the tender documents. To afford bidders reasonable time in which to take an amendment into account in preparing their bids, the NTC should extend the deadline for submission of bids (Ref #27 PPRA Rules 2004).

6. COUNTRY OF ORIGIN

The bidder shall clearly mention the country of origin (Country of Manufacturer) of the offered/ quoted Equipment / Stores / Cable / OFC& all allied accessories. Stores or any of its unit components quoted by bidders must not be manufactured in Israel or India. Furthermore, the Bidder/Principle must not have any linkage with Israel or India regarding ownership, sponsoring and financing. (Bidders shall submit an affidavit on judicial paper of **Rs. 100/-** with this respect).

7. PREPARATION OF TENDER/ BID DOCUMENTS

- 7.1. Bid should be prepared considering single stage – single envelope procedure/ or as advertised.
- 7.2. The bid shall comprise a single package containing both financial and technical proposals and is required to submit one original document.
- 7.3. The single stage shall clearly mention the name of bidder & necessary information in bold & legible letters.
- 7.4. Following documents shall be furnished / submitted with the bid at the time of opening.

7.4.1 Duly filled Bill of Quantity as per Annexure-A.

- 7.4.2 Tender security/ Earnest Money (**Rs. 1,40,000/-**).
- 7.4.3 **GST & NTN** Certificate.
- 7.4.4 Previous supply record with contract amounts, dates and completion certificates.
- 7.4.5 Company Profile.
- 7.4.6 Certificate on legal paper of never black listed by any Govt. / defense organization.
- 7.4.7 Undertaking of no business relations, manufacture, technical assistance etc. from India & Israel pertaining.

7.5. Every page/ document of the bid shall be numbered & duly signed by authorized personnel along with the company seal.

8. **PRICE**

- 8.1. Prices should be quoted in Pak Rupees on FOR/DDP basis as per Annexure-A on Turnkey basis.
- 8.2. The price quoted should be firm, final, and clearly written/typed without any ambiguity. The taxes & duties applicable in Pakistan at the time of signing of contract shall be adjusted (increase/decrease as the case maybe) in accordance with the prevailing rate.
- 8.3. The price should include all the government taxes (including GST if applicable), duties, delivery and installation charges etc & shall clearly mention GST.
- 8.4. The bidder shall clearly mention the levy or exemption of sales tax on the items being offered. If the bidder does not mention levy or exemption of sales tax, it will be assumed that sales tax has been included in the price accordingly the claim of sales tax exemption will not be entertained.
- 8.5. The rates / prices shall be entered against each item in the Bill of Quantity (BoQ) as per Annexure-A. Any item against which no rate or price is entered and left blank by the bidder even mistakenly shall be deemed covered by the highest rates / prices for that item in the other quotation /tender for evaluation purpose and bidder shall be bound to provide that item free of cost.
- 8.6. The bidder shall be deemed to have obtained all information as to all the requirements thereto which may affect the bid price.

9. **TENDER SECURITY / EARNEST MONEY**

- 9.1. The bidder shall furnish a tender security/ earnest money amounting to **Rs. 1,40,000/- (Rupees One Hundred and Forty Thousand Only)**. The Bid Security shall be, at the option of the bidder, in the form of Call Deposit Receipt or a Bank Guarantee as per **Annexure-D** or Pay Order issued by a Scheduled Bank in Pakistan in favor of the Director NTC Islamabad valid for a period of **twenty-eight (28) days** beyond the bid validity date.
- 9.2. Any bid not accompanied by tender security shall be rejected by the NTC at the time of opening of bid.
- 9.3. The tender securities / earnest money of the unsuccessful bidders will be returned upon award of contract to the successful bidder or on expiry of validity of tender security whichever is earlier. The tender securities of bidders, who are not in competition, can be returned earlier at NTC discretion upon receiving a request.

- 9.4. The tender security of the successful bidder will be returned when the bidder has furnished the required Performance Security and signed contract agreement.
- 9.5. The tender security may be forfeited:
 - 9.5.1 If a bidder withdraws his bid during the period of bid validity.
 - 9.5.2 If the bidder does not accept the correction of his bid price.
 - 9.5.3 In the case of successful bidder, if he fails to furnish the required performance security as per LOI (Letter of Intent) / purchase order to sign the contract

All correspondence regarding release/extension of bid security shall be made with Director NTC Islamabad/Dir Concerned.

10. VALIDITY OF BIDS

Bid shall remain valid for a period of **182** days from the date of tender opening

11. DEADLINE FOR SUBMISSION OF BID

- 11.1. The bid shall be uploaded in PDF format on PPRA EPADS website i.e. www.eprocure.gov.pk on OR before **10:30** hours on: **13-05-2026 (Wednesday)**.
- 11.2. The bidders are required to follow procedure of EPADS and for any clarification/assistance regarding EPADS they may contact PPRA Helpline UAN: 051-111-137-237.
- 11.3. Bid received other than EPADS i.e. hard/soft copy delivery in person or through e-mail or fax or registered mail will be not accepted by NTC.

12. MODIFICATION & WITHDRAWAL OF BID

- 12.1. Any bidder may modify or withdraw his bid after bid submission provided that written notice of the modification or with-drawl is received by the concerned officer prior to the deadline for submission of bids.
- 12.2. No bid may be modified or withdrawn by a bidder after the deadline for submission of bids

13. OPENING OF BID

- 13.1. The NTC tender committee will download the bids at **1100 Hours** on **13-05-2026 (Wednesday)** in the presence of bidders' representatives who choose to attend, at NTC Regional Office, Sector F-5/1, Islamabad.
- 13.2. NTC reserves the right to reject any one or all bids prior acceptance of a bid/proposal.
- 13.3. NTC reserves the right to reject any one or all bids as per Public Procurement Rules, 2004 33(1).
- 13.4. The tender committee reserves the right to reject any one or all bids without assigning any reason.

14. CLARIFICATIONS / CORRECTIONS OF BID

- 14.1. To assist in the examination, evaluation and comparison of the bids the committee at its discretion may ask the bidder for a clarification of its bid. The request for

clarification and the response shall be in writing (i.e. letter/ email etc.) and no change in the price or substance of the bid shall be sought, offered or permitted.

14.2. Arithmetical errors will be rectified on the following basis:

“If there is a discrepancy between unit price and total price that is obtained by the multiplying the unit price and quantity, the unit price shall prevail and total price shall be corrected. If there is a discrepancy between the words and figures the amount in words shall prevail. If there is a mistake in addition / totaling that can be corrected.”

14.3. If the bidder does not accept the corrected amount of bid, his bid will be rejected and his tender security forfeited

15. RESPONSIVENESS OF BIDS

15.1. The bid is valid till required period

15.2. The bid prices are firm during its validity and inclusive of all taxes, duties & freight charges etc.

15.3. The bidder has furnished valid tender security

15.4. Completion period offered is within specified limits

15.5. The bidder is eligible to tender and possesses the requisite experience

15.6. The bid is generally in order as per Clause-7.4.

15.7. The bidder does not deviate from basic technical requirements

15.8. The bidder complies all the terms & conditions of the bid by furnishing compliance certificate.

15.9. The entire bid document have been properly signed & any computational error has been clarified/corrected.

15.10. The bidder promptly responds to queries sought by NTC.

15.11. The bidder has submitted sample of the quoted item/model

NOTE: “Any bidder found non-compliant in any of above mentioned conditions will be declared as non-responsive and will not be considered for further Evaluation proceedings. A bidder once declared “Non-responsive” shall not subsequently be made responsive by the bidder.”

16. EVALUATION CRITERION

16.1. The tender evaluation committee will evaluate and compare only the bids previously determined to be substantially responsive.

16.2. Technical evaluation:

It will be examined in detail whether the Stores offered by the bidder complies with the technical provisions/ specifications of the tender documents. Any bidder found technically non-compliant shall be “**knocked out**” of comparison irrespective of his financial standing in the quoted rates.

16.3. Commercial Evaluation:

It will be examined in detail whether the bids comply with the commercial / contractual conditions of the tender documents. It is mandatory that no major deviation/stipulation shall be taken by the bidders.

- 16.4. The cost of making good and deficiency resulting from any quantifiable variations and deviations from the tender schedules and conditions of the contract, as determined by the NTC will be added to the corrected total bid price for comparison purpose only. Adjustment for commercial compliance will be added to the corrected total bid prices. Adjustment factor will be calculated by committee as deemed appropriate.
- 16.5. No bidder shall contact NTC on any matter relating to its tender from the time of opening to the time of contract is awarded.
- 16.6. Any effort by a bidder to influence NTC in the tender evaluation, bid comparison or order award decision may result in the rejection of his bid.
- 16.7. Bids can be evaluated item wise or as a whole as deemed suitable for NTC & final decision will lie with NTC.
- 16.8. Any minor informality or non-conformity or irregularity in the bid which does not constitute a material deviation may be waived by NTC, provided such waiver does not prejudice or affect the relative ranking of any other bidders.

17. **COMMERCIAL COMPLIANCE STATEMENT**

The bidder will furnish a compliance certificate with the bid as per enclosed format as per **Annexure-C (duly signed along with company seal)**.

18. **AWARD CRITERIA & NTC'S RIGHT**

- 18.1. The contract will be awarded to substantially responsive lowest evaluated bidder, provided that such bidder has been determined to be technically qualified to satisfactorily perform the order.
- 18.2. The NTC reserves the right to accept or reject any bid, and to annul the tendering process and reject all bids, at any time prior to award of order, without thereby incurring any liability to the affected bidders or any obligation to justify the affected bidders of the grounds for the NTC's action

19. **VARIATION ORDER**

NTC reserves the right to place variation order (increase or decrease in the quantities of all or any item of BOQ at the time of signing of contract without changing in the unit price. The contractor shall be bound to accept the variation order by NTC

20. **LANGUAGE OF BID DOCUMENTS**

Bid documents and all correspondence will be in English language.

SECTION-II

GENERAL CONDITIONS OF CONTRACT

1. PERFORMANCE SECURITY

- 1.1 The contract document shall comprise the usual terms & conditions of the contract in vogue in the Federal Govt. / Public Sector entities.
- 1.2 The successfully Evaluated bidder shall furnish to the NTC a performance security equivalent to **10%** of the total contract/ ordered value, in the shape of bank guarantee from schedule bank of Pakistan valid for a period of **15 Months** (As per execution period +12 months warranty period) as per **Annexure "E"** after issuance of LOI/ purchase order.
- 1.3 The bank guarantee of performance security shall be further extended if the completion of work is delayed. As such contractor shall oblige the performance security for the complete warranty period as per actual scenario.
- 1.4 Performance Security will be released after issuance of FAC, which is issued after successful completion of warranty period.
- 1.5 Failure of the successful bidder to furnish performance security shall constitute sufficient grounds for the annulment of the award and forfeiture of the tender security.
- 1.6 All the correspondence regarding release of performance guarantee shall be made with Director NTC Islamabad.

2. CONTRACTORS RESPONSIBILITIES

The contractor is responsible for supply of all the equipment in accordance with Annexure A & B.

The contractor shall not subcontract the whole of the works. The contractor shall not subcontract any part of the works without the consent of the NTC.

3. TRANSPORTATION / PACKING

All types of transportation for delivery of Stores and Services at final destination will be the responsibility of the contractor. Contractor shall ensure proper / international packing of Stores to avoid deterioration of Stores etc.

4. TIME FOR COMPLETION

- 4.1 The contractor shall supply, install, test and configure the equipment within **8 Weeks** from the date of signing of contract; however, incumbent bidder must also specify the timelines in which he can execute the whole work. The timeline can be finalized by mutual consent of both parties.
- 4.2 **Late completion:**
If the contractor fails to execute the work within the agreed time, or unless the delay in completion is due to force majeure, the contractor's only liability to the NTC for such failure shall be to pay an amount equivalent to **0.5%** of contract value per week maximum to **10%** value of the contract.

5. WARRANTY / SERVICES

- 5.1 The contractor will warrant that the Stores/ equipment supplied under the contract are new, un-used, and incorporate all recent improvements in design and materials

and of good quality. The warranty shall remain valid for a period of **12 months** starting from the date of issuance of PAC. NTC shall promptly notify the supplier in writing of any claims arising under this warranty and the supplier will repair / replace the defective items within reasonable time without any cost effect.

- 5.2** The contractor, for technical assistance at the highest level shall provide high-level support/technical assistance at sites on 24 x 7 basis, during the warranty period, free of cost.

6. REPEAT ORDER

Repeat Order may be placed in accordance with Public Procurement Rules 2004.

7. PROVISIONAL ACCEPTANCE CERTIFICATE

- 7.1** Upon satisfying itself that installation and testing of the equipment undertaken by the contractor is complete in all respects, the contractor will inform in-writing to DE (Switching) NTC Islamabad to detail a team for testing and inspection of completed work. DE (Switching) NTC Islamabad will inform Director NTC Islamabad who will constitute a team for inspection of work. The team will highlight the discrepancies if any and inform it to the contractor and Director NTC Islamabad. If the contractor failed to do so, satisfactory report will not be issued and hence PAC will not be issued.
- 7.2** In case Provisional Acceptance Certificate is not issued within one (01) week, DE (Switching) NTC Islamabad shall inform in-writing of the specific reason(s) for the delay within one (01) week after receipt of request from the contractor, to this effect. Furthermore, the ultimate consignee will notify the contractor that the work is not fully complete and contractor will rectify the discrepancies. PAC will be issued after successful commissioning & testing of equipment at site.

8. TERMS OF PAYMENT

Payment of contract price shall be made in the following manners.

- 8.1** **100 %** payment of the delivered store will be made by AD (Finance) NTC RHQs Islamabad, through Director NTC Islamabad after testing, installation and commissioning of equipment / stores by ultimate consignee.
- 8.2** The bidder will submit the invoices in triplicate to Director NTC Islamabad, duly verified invoices and delivery challan etc. by the ultimate consignee.
- 8.3** Invoices must be in triplicate, on company's letterhead, officially stamped, and serially numbered with date, carrying GST number and business addresses of both contractor as well as NTC, prices with and without GST with separate calculation for GST amount. Bill attached with the invoices must contain details regarding quantity as well as price. NTC GST No. is 07-01-9802-013-64.
- 8.4** All payments will be made by concerned Director having DDO ship through AD (Finance) of concern Directorate.
- 8.5** All the payments shall be made through crossed cheque in Pak Rupees.
Taxes will be deducted as per government rules at the time of payment

9. FINAL ACCEPTANCE CERTIFICATE

The contractor may notify the NTC concerned officer at-least 15 days before the expiry of warranty period for the issuance of final acceptance certificate. Upon such notification from contractor, the Ultimate Consignee will issue Final Acceptance Certificate in favour of contractor subject to satisfactory completion of warranty period as per requirement of contract. Alternatively, the NTC concerned officer will notify the contractor for the discrepancies that still remain un-resolved and contractor will rectify the discrepancies.

10. DEFAULT BY CONTRACTOR

10.1 If the contractor fails to supply the Stores, refuses or fails to comply with a valid instruction of the NTC, the NTC may give notice and stating the default.

10.2 If the contractor has not taken all practicable steps to remedy the default within 14 days after receipt of NTC notice, the NTC may by a second notice cancel the contract and performance security will be forfeited.

11. ARBITRATION AND GOVERNING LAW

11.1 This Agreement shall be governed under Pakistani law and the Courts at Islamabad shall have exclusive jurisdiction over any matter that may be referred to a Court under this Agreement.

11.2 In the event that any dispute arises between the Parties under this Agreement, one Party shall issue notice to the other Party to mutually negotiate a resolution to the dispute. If the negotiations fail to resolve the dispute within seven (7) days of receipt of the notice, the dispute shall be referred to the Managing Director, National Telecommunication Corporation ("MD") or his nominee who shall provide a personal hearing to Contractor and render a decision thereon within a period of thirty (30) days. In the personal hearing conducted pursuant to this clause, the Contractor shall not be represented by a legal practitioner within the meaning of the Legal Practitioners and Bar Councils Act, 1973.

11.3 If the Contractor is aggrieved of the decision of the MD or his nominee rendered under clause (10.2) hereof, the Contractor may refer the dispute to arbitration within thirty (30) days of the date of the decision of the MD or his nominee under the Arbitration Act, 1940 or any law that the Arbitration Act, 1940 is repealed, amended, or modified by at the time of referral of the dispute to arbitration. The arbitration shall be conducted before a Sole Arbitrator to be appointed by the consent of the Parties. The seat and venue of arbitration shall be at the National Telecommunication Corporation Headquarters, Sector G-5/2, Islamabad. The arbitration and the award thereof shall be conducted in the English language.

11.4 The costs and fees of the Sole Arbitrator shall be shared by the Parties equally. A Party shall bear the costs and fees of its legal practitioners and other personnel that a Party engages for the arbitration unless otherwise awarded by the Sole Arbitrator.

12. FORCE MAJEURE

- 12.1** The Contractor shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure.
- 12.2** If either party is temporarily rendered unable, wholly or in part by Force Majeure to perform its duties or accept performance by the other party under the Contract it is agreed that on such party, giving notice with full particulars in writing of such Force majeure to the other party within 14 (fourteen) days after the occurrence of the cause relied on, then the duties, of such party as far as they are affected by such Force Majeure shall be suspended during the continuance of any inability so caused but for no longer period and such cause shall as far as possible be removed with all reasonable speed. Neither party shall be responsible for delay caused by Force Majeure.
- 12.3** The terms "Force Majeure" as used herein shall mean Acts of God, strikes, lockouts or other industrial disturbance, act of public enemy, war, blockages, insurrections, riots, epidemics, landslides, earthquakes, fires, storms, lightning, flood, washouts, civil disturbances, explosion, Governmental Export/Import Restrictions (to be supported by a letter from the relevant Authority and verified by the Diplomatic Mission in Pakistan), Government actions/restrictions due to economic and financial hardships, change of priorities and any other cause similar to the kind herein enumerated or of equivalent effect, not within the control of either party and which by the exercise of due care and diligence either party is unable to overcome.
- 12.4** The term of this Contract shall be extended for such period of time as may be necessary to complete the work which might have been accomplished but for such suspension. If either party is permanently prevented wholly or in part by Force Majeure for period exceeding 12 (twelve) months from performing or accepting performance, the party concerned shall have the right to terminate this contract immediately giving notice with full particulars for such Force Majeure in writing to the other party, and in such event, the other party shall be entitled to compensation for an amount to be fixed by negotiations and mutual agreement.
- 12.5** If a Force Majeure situation arises, the Contractor shall promptly notify NTC in writing of such conditions and the cause thereof. Unless otherwise directed by NTC in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practicable, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

13. TERMINATION FOR INSOLVENCY

The NTC may at any time terminate the contract by giving written notice to the bidder, without any compensation to bidder. If the bidder becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to action to the NTC.

14. TERMINATION FOR CONVENIENCE

The NTC may send a written notice to the bidder; terminate the contract in whole or in part any time for its convenience. The notice of termination shall specify that the termination is for the NTC's convenience, the extent to which performance or work under the contract is terminated and the date upon which such termination becomes effective.

15. DEBARMENT / BLACKLISTING OF FIRM

- 15.1** As per clause-19 of the PPRA rules 2004, NTC reserves the right of debarment 'or' blacklisting of a firm, association, corporation, joint venture, company, partnership or any other legal entity subject to any of the following acts:-
- 15.1.1.** Consistent failure to provide satisfactory performance.
 - 15.1.2.** Contractor becomes insolvent.
 - 15.1.3.** Existence of judicial decision against a contractor in respect of a corrupt or collusive practice.
 - 15.1.4.** Submission of false and spurious documents, making false statements and allegations to gain undue advantage.
 - 15.1.5.** Commission of fraud.
 - 15.1.6.** Contractor abandons the contract.
 - 15.1.7.** Contractor without reasonable excuse fails to commence the work 'or' suspends the progress of work for 14 days.
 - 15.1.8.** Contractor is not executing the work in accordance with the contract or is persistently or flagrantly neglecting to carry out his obligations under the contract.
 - 15.1.9.** Commission of embezzlement, criminal breach of trust, theft, cheating, forgery, bribery, falsification or destruction of records, receiving stolen property, false use of trademark, securing fraudulent registration with sales tax authorities, Pakistan Engineering council etc, giving false evidence, furnishing of false information of serious nature.
- 15.2** MD NTC will constitute a committee comprising of three NTC officers and they will investigate the matter in connection with allegation of corrupt, fraudulent, coercive or collusive practices or illegally harassment or threat. Moreover, the committee shall also accord adequate opportunity of being heard to the contractor who is to be debarred / blacklisted. The said committee will forward its clear recommendations for the approval of Chairman NTC.
- 15.3** The debarment shall be for a reasonable specified period of time, commensurate with the seriousness of the cause. However, the debarment period shall not exceed from three years. Moreover, NTC also reserves the right of permanent blacklisting of a contractor subject to severity of the corrupt or fraudulent practices.

16. ULTIMATE CONSIGNEE

Divisional Engineer (Switching)

2nd Floor NTC RHQs, F-5/1 Islamabad

Tel # 051-9216000 Fax # 051-9216001

Email: rizwan.minhas@ntc.org.pk

**SUPPLY OF HUAWEI MA5600T OLT BOARDS FOR NTC SITES
AT ISLAMABAD & RAWALPINDI**

S. No.	Description	Module Name	Quantity	Unit Rate	Total Price
1	Super Control Unit for OLT	SCUN	30 Nos.		
2	8-Port GPON OLT Interface Board	GPBH	10 Nos.		
3	16-Port GPON OLT Interface Board	GPFD	11 Nos.		
4	2 Port 10G Uplink Board with SFPs	X2CK / X2CS	08 Nos.		
5	PON SFPs (C+ or higher)		256 Nos.		
Total Cost without GST					
GST @ 18%					
Total Cost inclusive of GST					

I/We hereby certify and confirm that while quoting above BoQ, I have carefully read the tender specification, B.O.Q. general and detailed terms and conditions of the tender document and other details. In confirmation thereof I put my Signature and Seal on this Tender Bid as under on this day of _____.

Signature of Contractor _____

Technical Specifications of SCUN Board for MA5600T

Reference Code: SW-GPON-01

S. No.	Title	Description	Marks	Vendor Statement
1	General Features			
1.1	Hybrid Access	Supports integrated optical copper access for GPON, xDSL and voice services (POTS & ISDN)	M	
1.2	Active/Standby & Load Sharing	Supports active/standby mode and load sharing mode	M	
1.3	PTP	Supports 1588v2 (PTP) by working together with the CKMC daughter board	M	
2	Supported Features & Capacity			
2.1	Interfaces	4 x GE Interfaces on Board (SFP Based) for Upstream Transmission	M	
2.2	Switching capacity	<ul style="list-style-type: none"> • 480 Gbit/s (active/standby mode) • 960 Gbit/s (load sharing mode) 	M	
2.3	Bandwidth per slot	<ul style="list-style-type: none"> • 10 Gbit/s (active/standby mode) • 20 Gbit/s (load sharing mode) 	M	
2.4	MAC address table	<ul style="list-style-type: none"> • Use GIU interface or the interface on the SCUN panel for upstream transmission • Use ETHB for upstream transmission • Use pinch boards 	M	
2.5	Access ONT	<ul style="list-style-type: none"> • Optical access: 8192 Users • Copper-Fiber hybrid access: 2048 Users 	M	
2.6	Multicast user	8192 Users	M	
2.7	IPv4 routing table	5120 Entries	M	
2.8	IPv6 routing table	5120 Entries	M	
2.9	Service port	32768 Entries	M	
2.1	ARP table	8192 Entries	M	
2.11	ACL rule	ACLv4: 1024; ACLv6: 256	M	
2.12	Maximum Frame Size	2052 bytes. After the jumbo frame function is enabled, a maximum of 9216 bytes can be supported.	M	
2.13	VRF (L3 VPN)	Supported	M	
4	External Interfaces			
4.1	Management Interface (CON)	RS-232 serial port	M	
4.2	Management Interface (ETH)	10/100M Base-T maintenance network port	M	
4.3	Management Interface (ESC)	RS-485 monitoring serial port	M	
4.4	Communication Interfaces	4 x SFP GE ports used for upstream transmission or cascading	M	
10	Power & Environment			
10.1	Power Consumption	Static: 30 W Maximum: 50 W	10	
10.2	Operating Temperature	-5 °C to 50 °C	5	
	Grand Total		15	
Note	Vendor Statement column must be properly filled to clearly state that which features are partially complied or not complied or better feature is available. The feature in the product must be supported by data sheet of product to certify the relevant recommendation compliance. The reference page number for compliance of above specification must also be filled in the remarks column.			

Technical Specifications of GPBH Board for MA5600T				
Reference Code: SW-GPON-02				
S. No.	Title	Description	Marks	Vendor Statement
1	General Features			
1.1	Type B Protection	Chip-level type B protection switching	M	
1.2	Type C Protection	Type C protection dual-homing, providing geography-level disaster recovery	M	
2	Supported Features & Capacity			
2.1	Forwarding capability	20 Gbit/s or higher	M	
2.2	T-CONTs per PON port	1024	M	
2.3	Service flows per PON board	8184	M	
2.4	Maximum frame size	2004 bytes	M	
2.5	MAC addresses	16384	M	
2.6	FEC	Bidirectional	M	
2.7	CAR group		M	
2.8	IPv6		M	
2.9	ONU-based shaping or queue-based shaping		M	
2.10	Load sharing		M	
2.11	High-precision clock time synchronization		M	
2.12	Rogue ONU detection and isolation		M	
2.13	Automatic shutdown at high temperature		M	
2.14	Automatic shutdown of an idle port		M	
3	O&M Features			
3.1	OMCI Length	Variable-length OMCI, improving upgrade efficiency and reducing break off time	M	
3.2	ONU Distance	A maximum distance difference of 40 km between two ONUs under the same PON port	M	
3.3	eOTDR Feature	eOTDR, supporting accurate fault demarcation and quick fault locating		
4	External Interfaces			
4.1	PON Ports	8 GPON ports with SFP optical modules	M	
4.2	Maximum Split Ratio	Class B+: 1:64 Class C+/C++: 1:128	M	
5	Power & Enviroiment			
5.1	Power Consumption	Static: 32 W Maximum: 46 W	10	
5.2	Operating Temperature	-5 °C to 50 °C	5	
	Grand Total		15	
Note	Vendor Statement column must be properly filled to clearly state that which features are partially complied or not complied or better feature is available. The feature in the product must be supported by data sheet of product to certify the relevant recommendation compliance. The reference page number for compliance of above specification must also be filled in the remarks column.			

Technical Specifications of GPFD Board for MA5600T

Reference Code: SW-GPON-03

S. No.	Title	Description	Marks	Vendor Statement
1	General Features			
1.1	Type B Protection	Chip-level type B protection switching	M	
1.2	Type C Protection	Type C protection dual-homing, providing geography-level disaster recovery	M	
2	Supported Features & Capacity			
2.1	Forwarding capability	20 Gbit/s or higher	M	
2.2	T-CONTs per PON port	1024	M	
2.3	Service flows per PON board	16368	M	
2.4	Maximum frame size	2004 bytes	M	
2.5	MAC addresses	16384	M	
2.6	FEC	Bidirectional	M	
2.7	CAR group		M	
2.8	IPv6		M	
2.9	ONU-based shaping or queue-based shaping		M	
2.10	Load sharing		M	
2.11	High-precision clock time synchronization		M	
2.12	Rogue ONU detection and isolation		M	
2.13	Automatic shutdown at high temperature		M	
2.14	Automatic shutdown of an idle port		M	
3	O&M Features			
3.1	OMCI Length	Variable-length OMCI, improving upgrade efficiency and reducing break off time	M	
3.2	ONU Distance	A maximum distance difference of 40 km between two ONUs under the same PON port	M	
4	External Interfaces			
4.1	PON Ports	16 GPON ports with SFP optical modules	M	
4.2	Maximum Split Ratio	Class B+: 1:64 Class C+/C++: 1:128	M	
5	Power & Environment			
5.1	Power Consumption	Static: 45 W Maximum: 73 W	10	
5.2	Operating Temperature	-5 °C to 50 °C	5	
	Grand Total		15	
Note	Vendor Statement column must be properly filled to clearly state that which features are partially complied or not complied or better feature is available. The feature in the product must be supported by data sheet of product to certify the relevant recommendation compliance. The reference page number for compliance of above specification must also be filled in the remarks column.			

Technical Specifications of 10G Uplink Board for MA5600T (X2CK/X2CS)

Reference Code: SW-GPON-04

S. No.	Title	Description	Marks	Vendor Statement
1	General Features			
1.1	Upstream transmission	Supported	M	
1.2	Cascading	Supported	M	
1.3	Link aggregation & Protection Group	Supported	M	
1.4	Pluggable optical module/ electrical module	SFP & SFP+/SFP	M	
1.5	Maximum Frame Size	2052 bytes 9216 bytes (jumbo frame enabled)	M	
2	External Interfaces			
2.1	Ports Count	2 or more	M	
2.2	Port Rate	10G or higher	M	
2.3	Backward Compatible	Must support 1G negotiation	M	
3	Power & Enviroiment			
3.1	Operating Temperature	-5 °C to 50 °C	5	
Grand Total			5	
Note	Vendor Statement column must be properly filled to clearly state that which features are partially complied or not complied or better feature is available. The feature in the product must be supported by data sheet of product to certify the relevant recommendation compliance. The reference page number for compliance of above specification must also be filled in the remarks column.			

COMMERCIAL COMPLIANCE STATEMENT

Clause. #	Description	Complied	Not Complied	Partially complied (give details)	Page # of bid, where compliance available
1	Scope of work				
2	Eligibility Criterion of Bidders				
3	Cost of tendering				
4	Clarifications of Tender Documents				
5	Amendment of Tender Documents				
6.	Country of Origin				
7	Preparation of Tender/ Bid Documents				
8	Price				
9	Tender Security / Earnest Money				
10	Validity of Bids				
11	Deadline for submission of bids				
12	Modification & Withdrawal of bid				
13	Opening of Bid				
14	Clarifications/correction of bid				
15	Responsiveness of Bids				
16	Evaluation Criterion				
17	Commercial Statement				
18	Award Criteria & NTC's Right				
19	Variation Order				
20	Language of Bid Document				
	Contract Conditions				
1	Performance Security				
2	Contractor responsibilities				
3	Transportation & Packing				
4	Time for Completion				
5	Warranty / Services				
6	Repeat Order				
7	Provisional Acceptance Certificate				
8	Terms of Payment				
9	Final Acceptance Certificate				
10	Default by Contractor				
11	Arbitration and Amicable Law				
12	Force Majeure				
13	Termination for Insolvency				
14	Termination for Convenience				
15	Debarment / Blacklisting of Firm				
16	Ultimate Consignee				

**FORMAT OF BANK GUARANTEE
FOR BID SECURITY**

Bank Guarantee No -----
Dated at Islamabad, the -----
Amount _____
Validity _____

To,

THE MANAGING DIRECTOR,
NATIONAL TELECOMMUNICATION CORPORATION
HEAD QUARTERS F-5/1
ISLAMABAD.

Dear Sir,

WHEREAS M/S _____ (hereinafter called the Tenderer) have requested us through _____ Bank Ltd., to furnish Bid Security by way of Bank Guarantee in your favour in the sum of _____ (IN FIGURE) _____ (IN WORDS) against your Tender Notice No. _____ dated _____ for supply / installation of _____.

WE HEREBY AGREE AND UNDERTAKE:

- i. To make unconditional payment _____ to you on demand without further question or reference to the Tenderer in case of withdrawal or modification of bid or any default or non-execution of the Contract or refusal to accept order by the Tenderer from the date of opening of bids until the expiry of the validity of their offer,
- iii. To keep this guarantee in full force from (date) _____ upto _____ (date) _____ the date until which the Tenderer's offer is valid.
- iii. To extend the period of guarantee if such extension be necessary beyond the date stated in para (ii) and as so desired by the tenderer.

Any claim arising out of this guarantee must be lodged with this Bank within the period the guarantee is valid and before the date of its expiry. After this date the guarantee will be considered null and void and should be returned to us.

Yours faithfully,

Name of the Bank: _____

Authorized officer's Signature & Seal: _____

BANK GUARANTEE FOR PERFORMANCE SECURITY

Bank Guarantee No -----
Date of Issue -----
Valid up to -----
Value (Rs.) -----

FROM: _____

TO,
THE MANAGING DIRECTOR,
NATIONAL TELECOMMUNICATION CORPORATION
HEAD QUARTERS F-5/1
ISLAMABAD..

SUBJECT: B/G AND DATE FOR _____ ON BEHALF OF _____ FOR DUE AND FAITHFUL PERFORMANCE ORDER NO. _____ DATED _____.

Whereas M/s _____ (hereinafter called the Supplier) have requested us to furnish a Bank Guarantee in your favour in the sum _____ (IN WORDS) _____ as performance security against order No. _____ dated _____ to be concluded between the Supplier and National Telecommunication Corporation HQs F-5/1 Islamabad.

WE HEREBY AGREE:

- 1). To make an un-conditional payment of _____ to you on demand without any further question or reference to the Supplier upon failure of the Supplier to perform the Order for which you will be the sole judge.
- 2). To keep this guarantee valid in full force from this date upto the time of the due and faithful completion of the Order under reference (the schedule of implementation shall be as described in the Purchase order and its subsequent amendments) or till _____ whichever date is later. The faithful completion of the order by the Supplier will be intimated by the NTC.
- 3). To extend the period of the enforceability of this guarantee if such extension be necessary or desired by you of us. All claims there under must be submitted to the Bank of _____ on or before the expiry date mentioned in this guarantee are the date mentioned in its extensions issued from time to time, after which this guarantee will become null and void and should be returned to us. Irrespective of its return, we shall consider ourselves fully discharged from any obligation there under after the said expiry date.

Dated This Day of _____

Authorized Signature: _____
& Seal of bank

Witness: _____

Sworn & Sign before me

this day of.... ..

by. _____