



NATIONAL TELECOMMUNICATION CORPORATION

REQUEST FOR EPADS TENDER

OF

**Replacement/ Supply, Installation, Testing and Commissioning of old Battery Banks
of MASGs at Pishin, NAB, Labour (SSGC), Education, ARI & WASA with new**

Lithium Batteries (48v/100 ah)

(2x batteries at each site)

EPADS E-Tender No. DEP/NTC/Est:10/2025-26/(Adv-4)

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SECTION - I

INSTRUCTIONS TO THE BIDDERS

1 INVITATION TO e-BIDS

Tender Notice No. DEP/NTC/Est:10/2025-26/(Adv-4)

National Telecommunication Corporation (NTC), invites electronic bids from the contractor's / service providers, registered with Income Tax and Sales Tax Department having relevant experience for supply of following services:

Tender No.	Description of Service	Last Date & Time of Bid Submission	Bid Opening Date & Time
03	Replacement/ Supply, Installation, Testing and Commissioning of old Battery Banks of MASGs at Pishin, NAB, Labour (SSGC), Education, ARI & WASA with new Lithium Batteries (48v/100 ah) (2x batteries at each site)	22-06-2026 @ 1100 Hrs.	22-06-2026 @ 1130 Hrs.

Bidding documents as per regulations, containing detailed terms and conditions, specifications and requirements etc. are available for the registered bidders on EPADS at (www.eprocure.gov.pk).

Electronic bids must be submitted through EPADS on or before the bid closing date and time, as specified in the table. Manual bids will not be accepted. Electronic bids will be opened on the same day, at least 30 minutes after the bid closing time, as indicated in the table.

Note: Notification of the GRC constituted in terms of Rule-48 of PPRA rules, 2004 is provided on EPADS at www.eprocure.gov.pk and on www.ntc.net.pk.

Director NTC Quetta

NTC Regional Directorate Mir Jaffar Khan Jamali Road Quetta

Phone: 081-9202151 **Fax:** 081-9202153

www.ntc.net.pk

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 services throughout the country. In addition, NTC established a countrywide Multi-Services data network based on state of the art technologies of ATM & PoS (Packet over SONET), one each at Islamabad, Lahore, Peshawar, Karachi and Faisalabad, form the primary core network for Multi-Services & NGN Infrastructure. Furthermore, 2 pairs of x Soft-switches in hot-standby mode, each at Islamabad and Karachi have been deployed for Class-IV and Class-V services. Besides this, recent milestone of NTC is deployment of DWDM network throughout the country by moving to STM-64 and DWDM, which have the provisioning of 400-Gb transmission capacity on the long haul network.

1.2 SCOPE OF WORK

1.2.1 NTC intends to undertake the work **“Replacement/ Supply, Installation, Testing and Commissioning of old Battery Banks of MASGs at Pishin, NAB, Labour (SSGC), Education, ARI & WASA with new Lithium Batteries (48v/100 ah) (2x batteries at each site)”**

Directorate” as per BoQ Annexure “A” and Specifications “B”.

1.2.2 The incumbent bidder is bound to offer the Items as per technical specifications (Annexure-B).

1.2.3 For the execution of the project the bidder shall undertake to deliver all Items, hardware/ Software & installation material etc, as detailed in Annexure “A” & “B”, which shall be necessary for a complete functioning of project. Any fitting, accessory part, missing in the BoQ; required to operationalize the system, however its reference price is quoted by bidder for complete functioning, shall be separately charged, otherwise it will be provided free of cost. Following items shall be required for the execution of the work, but not limited to:

- i) Hardware
- ii) Software (if Applicable)
- iii) Electrical Power cabling (AC/DC) (if Applicable)
- iv) Installation materials (if Applicable)
- v) Services (Engineering, Installation, Integration, Support, software etc.)
- vi) Documentation (Technical, Operation)

2. ELIGIBILITY CRITERIA OF BIDDERS

Invitation of proposals is open to all manufacturers/suppliers who meet following criteria:

S#	Description	Weightage	Breakup of weightage	Documents to be provided
1	Registration with PEC in relevant category/ Code	Mandatory	-	The valid registration to be attached with bids
2	Registration with Tax authorities	Mandatory	-	-do-
3	Having relevant experience of supply, installation, testing and commissioning of battery banks with any Telecom Operator, CMOs, Armed Forces or other Government departments.	Mandatory	-	The relevant documents be attached stating minimum 2 to 3 projects
4	Never been black listed	Mandatory	-	Declaration on stamp papers duly attested be attached with bid
5	The firm must have PKR 05 to 10 M turnover per annum and record of last 03 years be provided	Mandatory	-	The tax return and other relevant documents be attached.
6	Items or any of its unit quoted by bidders must not be manufactured in Israel or India. Furthermore the Bidder/ Principle supplier must not have any linkage with Israel or India	Mandatory	-	Affidavit on legal paper
7	List of employees having at least one registered Telecom/Electronics /Electrical / Computer/ /IT Engineer having 2 years' experience	60-80	60 Marks for One Engineer 20 Marks for two or more Engineers	-
8	The firm must be owned and operated by Pakistani National(s)	Mandatory	-	Duly notarized affidavit on stamp paper must be provided the bidder enunciating the details of Names, CNICs of the legal owner(s) and concerned officers / officials. documentary evidence regarding proof of ownership must be provided along with bid.

Note: i) Bidder must submit documentary proof against Sr.1 to Sr.8. 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.

ii) The bidder will furnish compliance certificates with the bid as per enclosed format. Annexure-D (duly filled and signed along with company seal).

3. COST OF TENDERING

The bidder shall bear all costs associated with the preparation and submission of its bid and the NTC will in no case be 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 matter / Specs may notify to NTC on EPADS platform only, however, in case of further clarification/understanding are required, the bidder may contact following NTC Officers:

DE (Phones) NTC Quetta
Tel: 081-9201313, Fax: 081-9202666
Email: muhammad.farhan@ntc.org.pk

4.1 The concerned NTC officer will respond to any request for clarification on EPADS, which receives well before (approximate 05 working days or more) to the deadline for the submission of bids.

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 its own initiative or in response to a clarification requested by a prospective bidder, modify the tender documents by issuing addendum/ amendment on EPADS.

5.2 Any amendment thus issue 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 Items & all allied accessories. The bidder should provide brochure and brand for confirmation of the country of origin.

7. PREPARATION OF TENDER/ BID DOCUMENTS

7.1 Bid should be prepared in accordance with “**Single Stage-Single Envelope**” procedure.

- a. Bid documents and all correspondence will be in English language.
- b. The bid should have a covering letter on letter pad of the firm. All pages of the bid shall be initiated/ signed and official seal be affixed by the person(s) authorized to sign. This shall be indicated by submitting a written Power of Attorney authorizing the signatory of the bid to act for and on behalf of the bidder. In addition, all the pages of the submitted bid must be numbered. Complete bid shall be scanned and uploaded on EPADS.

7.2 Following documents shall be submitted with the proposal:

- a. Duly filled Bill of Quantity as per **Annex-A**.
- b. Duly filled technical Specification as per **Annex-B**.

- c. Duly filled commercial compliance statement as per **Annex-C**.
- d. Duly filled eligibility compliance statement as per **Annex-D**.
- e. Certificate as per **Annex-E**.
- f. Valid Bid Security.
- g. Documentary evidence and certificates as per Qualification Criteria.
- h. Company Profile.

NOTE: Every participant bidder may submit all above mentioned documents and samples (if required). Non-submission of any of above documents or samples at the time of bid opening may lead to declaration of bidder as non-responsive & non-consideration for further evaluation.

8. LANGUAGE OF BID DOCUMENTS

- 8.1 Bid documents and all correspondence will be in English language.
- 8.2 The bid should have a covering letter on printed and scanned letter pad of the firm. All pages of the bid shall be initialed/signed and official seal be affixed by the person(s) authorized to sign.

9. PRICE

- 9.1 Prices should be quoted in Pak Rupees on FOR/DDP basis as per Annexure-A on Turnkey basis.
- 9.2 The price quoted should be firm, final, and clearly written/typed without any ambiguity.
- 9.3 The price should include all the government taxes (including GST-BST if applicable), duties, delivery and installation charges etc. & shall clearly mention GST/ BST.
- 9.4 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.
- 9.5 The bidder shall be deemed to have obtained all information as to all the requirements thereto which may affect the bid price.
- 9.6 Price of any or all items quoted in a currency other than PKR shall be converted into PKR and for calculation purpose (Financial Evaluation) conversion rate (i.e. selling) prevailing on the date of tender opening shall be applied.

10. TENDER SECURITY / EARNEST MONEY

- 10.1 The bidder shall furnish tender security amounting to **PKR. 200,000/-** (Pak Rupees Two Hundred Thousand Only) in the form of Pay Order or Deposit at Call issued by a scheduled bank of Pakistan in favor of NTC valid for a period of **120 days**.
- 10.2 Any bid not accompanied by tender security shall be rejected by the NTC at the time of opening of bid. Scanned Copy of bid security shall be uploaded by the bidder on EPADS before deadline of bid submission. Any bid not accompanied by bid security shall be rejected by the NTC as non-responsive.
- 10.3 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 as per requirement of bidder whichever is earlier.

- 10.4 The tender security of the successful bidder will be returned when the bidder has furnished the required Performance Security and signed contract agreement.
- 10.5 The tender security may be forfeited:
- i. If a bidder withdraws his bid during the period of bid validity.
 - ii. If the bidder does not accept the correction of his bid price.
 - iii. In the case of successful bidder, if he fails to furnish the required performance security or fail to sign the contract agreement as per Letter of Intent.
- 10.6 All correspondence regarding release/extension of bid security shall be made with Director NTC Quetta.

11. VALIDITY OF BIDS

Bid shall remain valid for a period of **120 x days** from the date of tender opening.

12. DEADLINE FOR SUBMISSION OF BID

- 12.1 The bid shall be uploaded in PDF format on PPRA EPADS website i.e. www.eprocure.gov.pk on or before **1100 hours on 22nd June ,2026.**
- 12.2 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.
- 12.3 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.

13. MODIFICATION & WITHDRAWAL OF BID

- 13.1. 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.
- 13.2 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 open the bids at **1130 hours on 22nd June, 2026** in the presence of bidder's representatives who choose to attend, at NTC Regional Office, Mir Jaffar Khan Jamali Road Quetta.
- 13.2 The bidder's name, bid prices, any discount, the presence or absence of tender security, technical details of quoted models and such other details as the committee at its discretion may consider appropriate, will be announced at the tender opening.
- 13.3 The tender committee will resolve any issue raised by the bidders.
- 13.4 The tender committee reserves the right to reject any or all bids as per Public Procurement Rules, 2004 33(1).

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 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 Completion period offered is within specified limits.
- 15.4 The bidder is eligible to tender and possesses the requisite experience
- 15.5 The bid is generally in order as per Clause-7.
- 15.6 The bidder promptly responds to queries sought by NTC.

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 NTC."*

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 Items offered by the bidder complies with the technical provisions/ standard specifications as per **Annexure-B**. For this purpose, the bidder's data will be compared with the technical features detailed in the technical brochures of offered product. If sample of the Items deemed necessary (Case to Case Basis) for testing/comparing will be called. 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 as per **Annexure-C**. It is mandatory that no major deviation/stipulation shall be taken by the bidders.

- 16.4 Contract will be awarded to lowest Evaluated bidder on the basis of both technical & financial compliances.
- 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, unless they are called upon.
- 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.

17. COMMERCIAL COMPLIANCE STATEMENT

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

19. AWARD CRITERIA & NTC'S RIGHT

- 19.1 The bid of eligible and commercially compliant bidder with financially lowest evaluated cost shall be considered as **most advantageous bid**. Contract will be awarded to most advantageous bid.
- 19.2 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 inform the affected bidders of the grounds for the NTC's action.

20. 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. The contractor shall be bound to accept the variation order by NTC.

21 NOTIFICATION OF AWARD & SIGNING OF CONTRACT AGREEMENT

- 21.1 Prior to expiration of the period of tender validity prescribed by NTC, the NTC will notify the successful bidder Letter of Intent (LoI) through EPADS that their tender has been accepted.

Within 5 days from the date of furnishing of acceptable performance security under the condition of contract, the formal contract shall be executed with the successful bidder.

SECTION-II

GENERAL CONDITIONS OF CONTRACT

1. PERFORMANCE SECURITY

- 1.1 The successful bidder shall furnish to the NTC a performance security equivalent to 10% of the contract value in the shape of Pay order or CDR valid for a period of 12 months after signing of contract.
- 1.2 The performance security shall be further extended if the delivery is delayed. Furthermore, the contractor shall extend the Pay order or CDR (if required) to cover the warranty period.
- 1.3 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.
- 1.4 All the correspondence regarding release of performance Security shall be made with Director NTC Quetta.
- 1.5 Performance security shall be released upon successful completion of one-year warranty period.

2. CONTRACTORS RESPONSIBILITIES

- 2.1 The contractor shall complete the work in accordance with the contract BoQ, specifications and responsibility matrix within the agreed completion time.
- 2.2 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.
- 2.3 The contractor shall furnish Provisional Acceptance Test protocols at the time of supply..
- 2.4 Regarding liaison with other Government Departments/ Entities etc and acquiring NOC/Permission (involving smooth accomplishment of project) shall be responsibility of Contractor.

3. TRANSPORTATION / PACKING

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

4. TIME FOR COMPLETION

- 4.1 The contractor shall deliver, install, test and commission the delivered Items within **45 x days** from the date of signing of contract.

4.2 LATE COMPLETION:

The delay is on part of the Contractor, contractor shall pay to NTC as liquidated damages a sum equivalent to 0.3% of the total contract value for each day of delay and subject to a maximum of 10% of the total contract value. Same will be recovered from the contractor at the time of payment. In case of force majeure, the delivery period may be extended on receipt of request/intimation from contractor with evidence during the execution period. The parties agree that the accumulated total liquidated damages for delay shall carry a maximum limit of upto 10% of the contract value.

5. WARRANTY / SERVICES

- 5.1 The contractor will warrant that the Items supplied under the contract are new, un-used, and incorporates 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. LIABILITY FOR DAMAGE

- 6.1 The Contractor shall take special and full care not to cause damage to any material before / during / after installation.
- 6.2 In case the fault/damage to utilities is found and if same is attributable to the Contractor, he shall be liable to make good the fault and all the cost incurred for repair and/or replacement thereof shall be borne by the Contractor, except amount covered by the insurance (if any) of the Items/material. The Contractor shall keep NTC indemnified against any claim from the third party with respect to such damage caused by the attributable to the Contractor.
- 6.3 During execution of works, the Contractor shall take full care and precautions not to cause any damage to the existing installations, facilities, services, person and property of the third party or NTC. All maintenance workers should be supplied with proper safety Items/gadgets by the contractor. Make sure Items/ gadgets are fully functional at all times.

7. PROVISIONAL ACCEPTANCE TESTING/ INSPECTION

- 7.1 NTC will detail a PAT/ Inspection team for Provisional Acceptance Test. The team shall confirm the quantities and functioning of Items and will mention discrepancies, if any. Directorate will issue the PAC on the basis of successful conduct of PAT including verification of contract BoQ.
- 7.2 If the Items is commercially launched before the PAT/PAC, the date on which the Items is commercially launched will be considered the date of PAC.
- 7.3 In case Provisional Acceptance Certificate is not issued within Fifteen (15) days, **Director NTC Quetta** shall inform in-writing of the specific reason(s) for the delay within 05 days after receipt of request from the Contractors.
- 7.4 NTC reserves the rights to reject any item even after issuance of Provisional Acceptance Certificate if it does not conform to the specifications by reason of some defect, latent or otherwise of material which was not discoverable by a reasonable examination.
- 7.5 The Provisional Acceptance Certificate (PAC) will be valid for warranty period of 01 year.

8. TERMS OF PAYMENT

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

- 8.1 Payment will be made to the Contractor after completion of work in totality in all respect and issuance of PAC and successful inspection of work by the committee nominated by the NTC. The Contractor shall submit Invoice along with verified & duly signed delivery challans and Sales Tax Invoice particularly describing sales tax registration number of both the contractor and NTC (NTC GST # 07-01-9802-013-64).

- 8.2 All the payments shall be made through cross cheque in the Pak Rupees.
8.3 Taxes will be deducted as per government rules at the time of payment.

9. FINAL ACCEPTANCE CERTIFICATE

- 9.1 The contractor may notify the Director NTC Quetta at-least 15 days before the expiry of warranty period for the issuance of final acceptance certificate. Upon such notification from contractor, the **Director NTC Quetta** will issue Final Acceptance Certificate in favour of contractor subject to satisfactory completion of warranty period as per requirement of contract. Alternatively, the **Director NTC Quetta** will notify the contractor for the discrepancies that still remain unresolved and contractor will rectify the discrepancies.
- 9.2 On issuance of Final Acceptance Certificate, contractor shall request for release of bank guarantee/pay order submitted as performance security.

10. DEFAULT BY CONTRACTOR

- 10.1 If the contractor fails to supply the Items, 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 **fourteen (14) days** after receipt of NTC notice, the NTC may, by a second notice, cancel the contract and performance security will be forfeited.

11. REPEAT ORDER

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

12. ARBITRATION AND AMICABLE LAW

- 12.1 The Contract will be construed under and governed by THE LAWS OF THE ISLAMIC REPUBLIC OF PAKISTAN.
- 12.2 NTC and the Contractor shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 12.3 Any dispute, disagreement or question arising out of or relating to or in consequence of this contract or relating to its execution or performance which cannot be settled amicably, shall be referred to arbitration to Managing Director NTC. Only Managing Director NTC will have sole authority in arbitration to decide. All the decisions will be made in view of Arbitration Act 1940.
- 12.4 Within **30 days** of the said notice, one arbitrator shall be nominated in writing by NTC and one arbitrator shall be nominated in writing by the Contractor.
- 12.5 The arbitration shall initiate arbitration proceedings at Islamabad. In case the arbitration does not reach on conclusion, then case would be referred to the court of Law.
- 12.6 Each party shall bear the cost of its own arbitrator and the cost of the third arbitrator shall be borne equally by both parties.

13. FORCE MAJEURE

- 13.1 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.

- 13.2 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.
- 13.3 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.
- 13.4 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.
- 13.5 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.

14. 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.

15. 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.

16. ULTIMATE CONSIGNEE

Director NTC Quetta
National Telecommunication Corporation

Mir Jaffar Khan Jamali Road Quetta
Ph # 081- 9202151, Fax # 081-9202153

The Bidder Address
(Complete Address)

BILL OF QUANTITY

**Replacement/ Supply, Installation, Testing and Commissioning of old Battery Banks
of MASGs at Pishin, NAB, Labour (SSGC), Education, ARI & WASA with new
Lithium Batteries (48v/100 AH)
(2x batteries at each site)**

S.No	PARTICULARS	QTY	UNIT	UNIT COST	TOTAL COST
1	Replacement/ Supply, Installation, Testing and Commissioning of 2 x Battery banks (12V/150 Ah) with New 02x Lithium Batteries (48v/ 100 AH) at MSAG Pishin.	02	No		
2	Replacement/ Supply, Installation, Testing and Commissioning of 2 x Battery banks (12V/150 Ah) with New 02x Lithium Batteries (48v/ 100 AH) at MSAG NAB Quetta.	02	No		
3	Replacement/ Supply, Installation, Testing and Commissioning of 2 x Battery banks (12V/100 Ah) with New 02x Lithium Batteries (48v/ 100 AH) at MSAG Labour (SSGC) Quetta.	02	No		
4	Replacement/ Supply, Installation, Testing and Commissioning of 2 x Battery banks (12V/100Ah) with New 02x Lithium Batteries (48v/ 100 AH) at MSAG Education Quetta	02	No		
5	Replacement/ Supply, Installation, Testing and Commissioning of 2 x Battery banks (12V/150 Ah) with New 02x Lithium Batteries (48v/ 100 AH) at MSAG ARI Quetta.	02	No		
6	Replacement/ Supply, Installation, Testing and Commissioning of 2 x Battery banks (12V/100 Ah) with New 02x Lithium Batteries (48v/ 100 AH) at MSAG WASA Quetta.	02	No		
	Total				

In Word:

Technical Specification - 48 V, 100 AH LITHIUM Maintenance Free Batteries

Bidder's Quoted Brand			
Manufacturing Country (Made & assembled in)			
Title	Description	Compliance	No compliance
1. Nominal Voltage		48 VDC	
2. Nominal Capacity (@25°C, 0.5C)		100 Ah (0.5C to 40.5V @25°C)	
3. Number of Cell		15 cells	
4. Battery Weight (Approximate)		Approx. 40 Kg	
5. Dimensions (W*D*H)	Width * Depth * Height	Approx. 482.5mm*441mm*133.5mm	
6. Energy	Normal energy (@25°C, 0.5C)	4800 Wh	
	Volumetric energy density	204 Wh/L	
	Gravimetric energy density	126 Wh/kg	
7. Cell	Technology/material	LFP	
	Cell model	FE100A	
	Cell voltage (Nominal)	3.2 V	
	Cell capacity (Nominal)	100 Ah	
	Gravimetric energy density of cell	160 Wh/kg	
8. Internal Impedance @25°C		≤ 20 mΩ	
9. Standard Discharge @25°C	Max. constant current	100 A	
	Cut-off voltage	40.5 VDC	
10. Standard Charge @25°C	Charging Voltage Limited	54±0.5 VDC	
	Max. constant current	100 A	
	Recommended charging current and time	20 A (0.2C) for 5.2 hours	
11. Discharge/Charge efficiency in Wh (Round trip efficiency) at 0.2C		≥ 95%	
12. Self-discharge rate @25°C		≤ 3% Crt/ month	
13. Cell consistency	Deviation from the maximum capacity, minimum capacity, to the average capacity of all cells when fully charged	Less than ± 1%	
	Deviation from the maximum IR (internal resistance), minimum IR, to the average IR of all cells when fully charged	Less than ± 15%	
	The voltage difference between the highest and lowest cells when the battery is fully charged	≤ 0.05V	
	The voltage difference between the highest and lowest cells during discharge @ 100% DOD & 0.2C	≤ 0.3V	
14. Design Life @25°C		≥ 12 years	
15. Operating Temperature		Charging: 0°C ~ 60°C	
		Discharging: -20°C ~ 60°C	
16. Storage Temperature		Recomm range: 0°C ~ 40°C	
17. Operating Humidity (@40±2°C, %RH)		5% ~ 95%	
18. Increment of temperature after 5 continuous charge/discharge cycles @0.5C, 50°C		≤ 20°C	
19. Ingress Protection (IP)		20	
20. Certification		UL1973, UN38.3, CE-EMC	

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				
5	Amendment of Tender				
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				
13	Opening of Bid				
14	Clarifications/correction of bid				
15	Responsiveness of Bids				
16	Evaluation Criterion				
17	Commercial Statement				
18	Engineering Survey				
19.	Award Criteria & NTC's Right				
20.	Variation Order				
21.	Language Of Bid Documents				
	Contract Conditions				
1	Performance Security				
2	Contractor responsibilities				
3	Transportation & Packing				
4	Time for Completion				
5	Warranty / Services				
6	Provisional Acceptance Testing				
7	Terms of Payment				
8	Final Acceptance Certificate				
9	Default by contractor				
10	Repeat Order				
11	Arbitration And Amicable Law				
12	Force Majeure				
13	Termination For Insolvency				
14	Termination For Convenience				
15	Ultimate Consignee				

ELIGIBILITY COMPLIANCE STATEMENT

S#	Description	Weightage	Complied	Not Complied	Partially complied	Page # of bid, where compliance available
1	Registration with PEC in relevant category	Mandatory				
2	Registration with Tax authorities	Mandatory				
3	Having relevant experience of supply, installation, testing and commissioning of battery banks with any Telecom Operator, CMOs, Armed Forces or other Government departments.	Mandatory				
4	Never been black listed	Mandatory				
5	The firm must have PKR 05 to 10 M turnover per annum and record of last 03 years be provided	Mandatory				
6	Items or any of its unit quoted by bidders must not be manufactured in Israel or India. Furthermore the Bidder/ Principle supplier must not have any linkage with Israel or India	Mandatory				
7	List of employees having at least one registered Telecom/Electronics /Electrical / Computer/ IT engineer having 02 years experience	60-80				
8	The firm must be owned and operated by Pakistani National(s)	Mandatory				

CERTIFICATE

The tender documents have been read by the undersigned and there is NO ambiguity as the BOQ items, specifications, services and the tender term & special instruction as stipulated complete.

Contractor Signature: _____

Name: _____

CNIC: _____

Company Name: _____

Stamp: _____