



**Bid Document for Supply of Power Systems (Hybrid
Uninterrupted Power Supply) for BharatNet Ph-III
Project on Rate Contract Basis**

**Ref. No: ITI/RB/B-Net/PS/02
Dated – 20/05/2025**

**ITI LIMITED, Raebareli
UP – 229010**

1. INTRODUCTION

ITI Limited (ITI), a Public Sector Undertaking under the Department of Telecommunications, Ministry of Communications, is a leading Telecom equipment manufacturer and turnkey solution provider in ICT and Telecom Domain in India. ITI is having state of the art, latest electronic manufacturing infrastructure in its plants situated at Bengaluru, Palakkad, Rae Bareli, Mankapur and Naini. It has pan India presence through its Marketing, Services & Project offices (MSP).

The major customers are Government/ Defence/ Paramilitary forces/Railways/PSUs like BSNL, MTNL/Private Corporates.

More information can be viewed on www.itilttd.in

ITI has submitted its bid in Bharat Net Phase III project for Development (Creation, Upgradation and Operation & Maintenance) of Middle mile network of BharatNet on Design Build Operate and Maintain (DBOM) Model.

In this regard, proposals are invited **under e-tender mode (2 bid system)** only from the **ITI MAF Partners** for supply of Power Systems (Power System with provisions of backup and MPPT Card etc.excluding solar panelson Rate Contract Basis. The bidders must be having necessary valid TSEC/ TAC or proof of having applied for TSEC/ TAC (BSNL registered QF-103 or TEC Form-B) certifications as per respective TEC GR Standards (with latest amendments if any)required for HUPS, Battery, MPPT card and Solar Panel etc. Successful bidders shall obtain TSEC against the latest Technical Specification, before supplies.

IMPORTANT DATES

S.No.	Activity	Schedule
i	Bid Issue Date	20/05/2025
ii	Due Date & Time for Submission of Proposal through Tender Wizard	24/05/2025 11:00 AM
iii	Date & Time of opening of Proposals	24/05/2025 11:30 AM

2. PURPOSE

ITIL intends to supply of Power Systems (Hybrid Uninterrupted Power Supply with provisions of backup and MPPT Card excluding solar panels etc.) to Himachal Pradesh and West Bengal and Andaman & Nicobar Telecom Circles for BharatNet phase – III project under package – 8 and 9 respectively to meet existing order requirements on Rate Contract Basis. For Generic Technical Specification refer to **Annexure-IV**.

3. SCOPE OF WORK

3.1. Supply of Items –

S. N.	ITEM Description	Pkg-8 (HP Telecom Circle)	Pkg-9 (WB&AN Telecom Circle)	Total Qty. (in No.)
1	Power System with backup provisions at GP locations with accessories including installation, integration, testing and commissioning with provision of MPPT Card including solar panels (as per Section (IV C), Annexure-B, VIII)	1808	1031	2839
2	Power System with backup provisions at GP locations with accessories including installation, integration, testing and commissioning with provision of slot for MPPT Card BUT excluding MPPT Card & solar panels (as per Section (IV C), Annexure-B, VIII)	1807	2381	4188
3	MPPT solar module of 1 KW (as per sub section VIII of Annexure B of Section IV C - Amendment no. 12)	723	683	1406
Note: Bidders shall provide all the accessories i.e. AC & DC input & output cables, communication cables, earthing cables etc. which are essential for operation ability of Power system along with above items.				

3.2. The items/goods supplied under this tender shall be brand new, of satisfactory quality, conform to the specified requirements, and be free from any defects in materials, workmanship, and design.

3.3. The quantities mentioned are tentative only and it may increase or decrease as per our requirement.

3.4. Delivery Location –

Package	Telecom Circle	Delivery Location
8	Himachal Pradesh	Sundarnagar
9	West Bengal and Andaman & Nicobar	Kolkata & Port Blair

3.5. The items shall be delivered by the party in the staggered manner at Himachal Pradesh and West Bengal, Andaman & Nicobar Telecom Circles as per Purchase order issued from time to time based on the LOI / Contract.

3.6. Rates should be quoted FOR destination and it should be uniform for the entire destination covered in all three packages.

3.7. The rate contract shall be valid for a period of two years / till completion of supply of items from date of issue of letter of intent / contract.

3.8. The rate quoted by the Tenderer should be firm and no escalation on any account whatsoever shall be paid for this work.

- 3.9. The L-1 bidder, i.e., the bidder quoting the lowest total cost (including the cost of all items in the package, CAMC charges, and the Total Cost of Ownership), will be considered for the award of the contract. ITIL will notify the successful bidder by issuing a Letter of Intent (LoI) or formal contract in writing, which may be sent via registered post or email. The successful bidder is required to acknowledge receipt and confirm acceptance of the award.
- 3.10. **There is no RA (Reverse Auction) for this tender.**
- 3.11. No bid splitting is allowed under any circumstances.
- 3.12. Delivery schedule of the items/material should be as per Purchase order issued from time to time based on the LOI / Contract, starting from last week of JUNE-2025 tentatively.
- 3.13. ITIL reserves the right to cancel the bidding process at any stage without providing prior notice or assigning any reason.
- 3.14. ITIL shall have the right to inspect, test and audit the manufacturing infrastructure and modalities across processes during production and operation period.
- 3.15. The bidder has to submit Balance sheet/Financial statement of last three consecutive financial years.
- 3.16. Bidders are required to place summary of the offered items in the technical bid without indicating the quoted price. Bids with any disclosure of pricing information, directly or indirectly in the technical bid will be rejected without any further notice on opening the technical bid by the tenderer.
- 3.17. Loading & Unloading of the material at factory premises and at destination shall be in the scope of supplier only.
- 3.18. A Pre-Dispatch Inspection of each item to be supplied by the bidder may be conducted at both the manufacturing location and the delivery location by representatives of ITI or BSNL or both. The successful bidder shall be responsible for coordinating and facilitating the PDI at both locations.
- 3.19. BSNL QA Inspection, Testing & Clearance will be in the scope of supplier only. All the testing & Inspection charges shall be borne by the supplier only.
- 3.20. The bidders have to provide technical support (of any type) during I&C and Acceptance testing.
- 3.21. **Warranty & AMC (Comprehensive)**

SN	Items	Warranty (in Years) -whichever is earlier		AMC
		From date of supply	From date of Installation & Commissioning	start after warranty period
1	Power Systems-HUPS	3.5 Years	3 Years	7 Years
	a Inverter			

	b	Rectifier			
	c	DSCA			
	d	MPPT Card/Modules			
2		Lithium Battery	5.5 Years	5 Years	5 Years
3		SPV module with mounting structure	25 Years (Life Time)		Nil

The bidder has to submit rates of AMC for 07 years for all component of power system except Li-ion Battery. For Li-Battery, bidders have to submit rates of AMC for 05 years after warranty period. AMC Charges will be considered for Price bid evaluation. However quoting of AMC rates is mandatory for entering AMC at a later stage if required (if entered in to AMC). Separate agreement will be signed for AMC after completion of warranty period.

If ITIL intends to enter into CAMC the bidder shall submit a performance security towards the fulfilment of obligations under the AMC, equivalent to 03 % of the cost of equipment as per the PO or the first year AMC charge for the equipment supplied under that PO whichever is higher in prescribed proforma. The performance security shall be submitted within the due date notified by ITIL in advance before start of AMC.

3.22. Spares

The supplier shall keep the required spares for meeting the SLA defined in Section IV-B of BharatNet Ph-III Tender. The OEM shall be bound to supply the spares to ITI during the entire contract period as per the MAF on the same commercial terms and conditions. In case any equipment is not repairable due to non-availability of the spares, The Supplier shall replace the supplied products with equal or upgraded/ higher version during life time of contract **(10years)** at free of cost." The bidder has to submit rates of all parts (BOM) of Power system as per **Annexure – VI**. The cost of items i.e. Inverter, Rectifier, Li-Battery, DSCA ,Solar Panel and MPPT are required and is an optional item for meeting the exigencies. The items price will not be considered for evaluation. However, items/spares cost will remain valid during the period of Warranty and AMC (if entered in to AMC)

3.23. Payments Terms – 100% by LC with 180 days usance period from the date of delivery of the items at designated stores. Separate LC will be established for each lot of supply. NO OTHER LC TERMS WILL BE ACCEPTED. If supply is before TSEC then LC will be released only after TSEC approval & submission of Release Report (RR) from BSNL & other valid documents.

3.24. Party shall raise the invoices in the name of ITI Limited Raebareli and items/material shall be shipped to the consignee provided by ITI Limited Raebareli.

- 3.25. Supplier shall be OEM /authorised vendor as per MAF submitted for supply of Power System through ITIL. Make & Model of offered
- 3.26. This tender document is restricted to the ITI MAF partners for BSNL Tender Ref. No. MM/BNO&M/BN-III/T-791/2024 for supply of Power System.
- 3.27. Make & Model of offered solar Photovoltaic Panel must be same as mentioned in approved QF-103/TSEC of HUPS.
- 3.28. PBG @3% of the PO value shall be submitted by the party for the entire warranty period for HUPS & Li-ion Battery i.e. for 5 years.
- 3.29. Pre-Contract Integrity Pact as per **Annexure – II** shall be signed and submitted by the party along with technical bid.
- 3.30. LD Clause: If the supplier fails to deliver the material or part thereof as per the delivery schedule, or any extension thereof, we shall be entitled at our option either to recover from the supplier, as penalty, a sum equivalent to ½% (half percent) per week for first four weeks and 0.7% per week thereafter for such delay or part thereof or terminate the contract in respect of the balance supply so delayed and purchase materials elsewhere at the risk and cost of the defaulting supplier.
- 3.31. The bidder shall provide clause-by-clause compliance along with the technical bid.
- 3.32. The Quoted product (with make and models) of the bidder must meet the Technical Specifications as per the GR standard given at **Annexure-IV** and all the related terms & Conditions mentioned in BharatNet tender No. MM/BNO&M/BN-III/T-791/2024.
- 3.33. The Power System (Hybrid Uninterrupted Power Supply) should be mountable in the rack at Block & GP required in BharatNet tender No. MM/BNO&M/BN-III/T-791/2024.
- 3.34. The Financial Proposal shall be opened only for bidders whose technical proposals have been found to be technically qualified/suitable.
- 3.35. The bidders shall quote their best rates including BOQ items(as per Annexure : VII) as per the format given in the Financial Bid at **Annexure-V(A) & Annexure-V(B)**.
- 3.36. **DOCUMENTS / INFORMATION TO BE UPLOADED**

	Check list of documents/information to be submitted
i.	The profile of the bidder as per Annexure-I and Certificate of Incorporation of the company.
ii.	Clause by Clause Compliance to be submitted along with the Technical bid
iii.	A Pre-Contract Integrity Pact as per the format given in Annexure-II .
iv.	A Bid Security declaration in lieu of the Earnest Money Deposit (EMD)

	as per format given in Annexure-III .
v.	Technical Specification given in Annexure-IV
vi.	Financial Bid for package 8 given in Annexure – V(A)
vii.	Financial Bid for package 9 given in Annexure – V(B)
viii.	Rate Quote for Spares given in Annexure – VI
ix.	BOQ given in Annexure – VII
x.	A copy of valid TSEC / TAC or proof of having applied for TSEC/ TAC (BSNL registered QF-103 or TEC Form-B) certifications as per respective TEC GR Standards (with latest amendments if any) mentioned in Annexure-IV
xi.	No Deviation Certificate given in Annexure – VIII
xii.	Declaration Regarding Blacklisting/Non-Debarment as per Annexure – IX
xiii.	Technical literature/Brochures of the products.

3.37. SUBMISSION OF PROPOSAL

The proposals shall be uploaded on **E-uniwizarde** on or before the due date and time as specified. The URL for **E-uniwizarde** is <https://itilimited.euniwizarde.com/>, <http://tenders.itiltd.in> . **for detailed information and for submission of bid. For any assistance please contact following-**

- i. Mr. Anand Singh: - Ph No: 09355030602, e-mail:ewizardanand@gmail.com
- ii. Mr. Ankit Kumar- 9355030618
- iii. Mr. Naveet- 9560364871
- iv. Mr Abhishek-7903269552

3.38. Accessibility of RFP Document: Complete RFP document with terms and conditions is provided in the following websites

- (i) <https://www.itiltd.in/>
- (ii) <http://eprocure.gov.in/>
- (iii) <https://itilimited.euniwizarde.com/>,
<http://tenders.itiltd.in>

Annexure-I**Bidder's Profile**

1	Name and address of the company	
2	Contact Details of the Bidder (Contact person name with designation, Telephone Number, FAX, E- mail and Web site)	
3	Date of Incorporation	
4	GST Registration number	
5	PAN Number	
6	CIN Number, if applicable	

Annexure-II**PRE-CONTRACT INTEGRITY PACT**

(To be executed on plain paper and submitted along with Technical Bid)
To be signed by the bidder and same signatory Competent/ Authorized to sign the relevant contract on behalf of the ITI Ltd).

Tender No.....

This Integrity Pact is made onday of2025

BETWEEN:

ITI Limited, Raebareli, UP – 229010 having its Registered & corporate office at ITI Bhavan, Dooravaninagar, Bangalore – 560016 India, and established under the Ministry of Communications & IT, Government of India (hereinafter called the Principal), which term shall unless excluded by or is repugnant to the context, be deemed to include its Chairman & Managing Director, Directors, Officers or any of them specified by the Chairman & Managing Director in this behalf and shall include its successors and assigns) ON THE ONE PART

AND:

M/s represented byChief Executive Officer (hereinafter called the bidder (s)/Contractor(s)), which term shall unless excluded by or is repugnant to the context be deemed to include its heirs, representatives, successors and assigns of the bidder /contract ON THE SECOND PART.

Preamble

WHEREAS the Principal intends to award, under laid down organizational procedures, tender/contract for..... (name of the Stores / equipments / items). The Principal, values full compliance with all relevant laws of the land, regulations, economic use of resources and of fairness/ transparency in its relations with its bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal has appointed an Independent External Monitor (IEM), who will monitor the tender process and the execution of the contract for compliance with the principles as mentioned herein this agreement.

WHEREAS, to meet the purpose aforesaid, both the parties have agreed to enter into this Integrity Pact the terms and conditions of which shall also be read as integral part and parcel of the Tender Documents and contract between the parties.

NOW THEREFORE, IN CONSIDERATION OF MUTUAL COVENANTS STIPULATED IN THIS PACT THE PARTIES HEREBY AGREE AS FOLLOWS AND THIS PACT WITNESSETH AS UNDER:

SECTION 1 – COMMITMENTS OF THE PRINCIPAL

The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:

- a. No employee of the Principal, personally or through family members, will in connection with the tender for or the execution of the contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the personal is not legally entitled to.
- b. The Principal will, during the tender process treat all bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all bidder(s) the same information and will not provide to any bidder(s) confidential/ additional information through which the bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
- c. The Principal will exclude from the process all known prejudiced persons.

If the principal obtains information on the conduct of any of its employee, which is a criminal offence under IPC/PC Actor if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary action as per its internal laid down Rules/ Regulations.

SECTION 2 – COMMITMENTS OF THE BIDDER / CONTRACTOR

2.1 The bidder(s)/Contractor(s) Commits himself to take all measures necessary to prevent corruption. He commits himself observe the following principles during the participation in the tender process and during the execution of the contract.

- a. The bidder(s)/contractor(s) will not, directly or through any other person or firm offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever (during the tender process or during the execution of the contract).
- b. The bidder(s)/contractor(s) will not enter with other bidder(s)/contractor(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- c. The bidder(s)/contractor(s) will not commit any offence under IPC/PC Act, further the bidder(s)/contractor(s) will not use improperly, for purposes of competition of personal gain, or pass onto others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- d. The bidder(s)/Contractor(s) of foreign origin shall disclose the name and address of the agents/representatives in India, if any. Similarly, the bidder (s)/Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any.
- e. The bidder(s)/Contractor(s) will, when presenting the bid, disclose any and all payments made, are committed to or intend to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- f. The bidder(s)/Contractor(s) will not bring any outside influence and Govt. bodies directly or indirectly on the bidding process in furtherance to his bid.
- g. The bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or to be an accessory to such offences.

SECTION 3 – DISQUALIFICATION FROM TENDER PROCESS & EXCLUSION FROM FUTURE CONTRACTS

If the bidder(s)/Contractor(s), during tender process or before the award of the contract or during execution has committed a transgression in violation of Section 2, above or in any other form such as to put his reliability or credibility in question the Principal is entitled to disqualify bidder(s)/Contractor(s) from the tender process.

If the bidder(s)/Contractor(s), has committed a transgression through a violation of Section 2 of the above, such as to put his reliability or credibility into question, the Principal shall be entitled exclude including blacklisting for future tender/contract award process. The imposition and duration of the exclusion will be determined by the severity of the transgression. The severity will be determined by the Principal taking into consideration the full facts and circumstances of each case, particularly taking into account the number of transgression, the position of the transgressor within the company hierarchy of the bidder(s)/Contractor(s) and the amount of the damage. The exclusion will be imposed for a period of minimum one year.

The bidder(s)/Contractor(s) with its free consent and without any influence agrees and undertakes to respect and uphold the Principal's absolute right to resort to and impose such exclusion and further accepts and undertakes not to challenge or question such exclusion on any ground including the lack of any hearing before the decision to resort to such exclusion is taken. The undertaking is given freely and after obtaining independent legal advice.

A transgression is considered to have occurred if the Principal after due consideration of the available evidence concludes that on the basis of facts available there are no material doubts.

The decision of the Principal to the effect that breach of the provisions of this Integrity Pact has been committed by the bidder(s)/contractor(s) shall be final and binding on the bidder(s)/contractor(s), however the bidder(s)/contractor(s) can approach IEM(s) appointed for the purpose of this Pact.

On occurrence of any sanctions/ disqualifications etc arising out from violation of integrity pact bidder(s)/ Contractor(s) shall not entitled for any compensation on this account.

Subject to full satisfaction of the Principal, the exclusion of the bidder(s)/Contractor(s) could be revoked by the Principal if the bidder(s)/contractor(s) can prove that he has restored/ recouped the

damage caused by him and has installed a suitable corruption preventative system in his organization.

SECTION 4 – PREVIOUS TRANSGRESSION

4.1 The bidder(s)/contractor(s) declares that no previous transgression occurred in the last 3 years immediately before signing of this Integrity Pact with any other company in any country conforming to the anti-corruption/transparency International (TI) approach or with any other Public Sector Enterprises/ Undertaking in India of any Government Department in India that could justify his exclusion from the tender process.

4.2 If the bidder(s)/ Contractor(s) make incorrect statement on this subject, he can be disqualified from the tender process or action for his exclusion can be taken as mentioned under Section-3 of the above for transgressions of Section-2 of the above and shall be liable for compensation for damages as per Section- 5 of this Pact.

SECTION 5 – COMPENSATION FOR DAMAGE

5.1 If the Principal has disqualified the bidder(s)/Contractor(s) from the tender process prior to the award of contract according to Section 3 the Principal is entitled to forfeit the Earnest Money Deposit/Bid Security/ or demand and recover the damages equitant to Earnest Money Deposit/Bid Security apart from any other legal that may have accrued to the Principal.

5.2 In addition to 5.1 above the Principal shall be entitled to take recourse to the relevant provision of the contract related to termination of Contract due to Contractor default. In such case, the Principal shall be entitled to forfeit the Performance Bank Guarantee of the Contractor or demand and recover liquidate and all damages as per the provisions of the contract agreement against termination.

SECTION 6 – EQUAL TREATEMENT OF ALL BIDDERS/CONTRACTORS

6.1 The Principal will enter into Integrity Pact on all identical terms with all bidder(s)/contractor(s) for identical cases.

6.2 The bidder(s)/contractor(s) undertakes to get this Pact signed by its subcontractor(s)/sub-vendor(s)/ associate(s), if spy, and to submit the same to the Principal along with the tender document/contract before signing the contract. The bidder(s)/contractor(s) shall be responsible for

any violation(s) of the provisions laid down in the Integrity Pact Agreement by any of its subcontractors/ sub-vendors / associates.

6.3 The Principal will disqualify from the tender process all bidder(s)/contractor(s) who do not sign this Integrity Pact or violate its provisions.

SECTION 7 – CRIMINAL CHARGES AGAINST VIOLATING BIDDER(S)/ CONTRACTORS

7.1 If the Principal receives any information of conduct of a bidder(s)/Contractor(s) or sub-contractor/sub-vendor/associates of the bidder (s)/Contractor(s) which constitutes corruption or if the principal has substantive suspicion in this regard, the principal will inform the same to the Chief Vigilance Officer of the Principal for appropriate action.

SECTION 8 – INDEPENDENT EXTERNAL MONITOR(S)

8.1 The Principal appoints competent and credible Independent External Monitor(s) for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extend the parties comply with the obligations under this pact.

Details of IEM appointed by ITI are as under:

1. Shri. AtulJindal, IFS (Retd.)

3/10 Vishesh Khand Opp. Little Friend School Gomti Nagar,
Lucknow-226010(UP)

2. Shri. Atul Jindal, IFS (Retd.)

3/10 Vishesh Khand Opp. Little Friend School Gomti Nagar,
Lucknow-226010(UP)

Any changes to the same as required/desired by statutory authorities is applicable.

8.2 The Monitor is not subject to any instructions by the representatives of the parties and performs his functions neutrally and independently. He will report to the Chairman and Managing Director of the Principal.

8.3 The bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all product documentation of the Principal including that provided by the bidder(s)/Contractor(s). The bidder(s)/Contractor(s) will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The Monitor is under contractual obligation to

treat the information and documents bidder (s)/Contractor(s) with confidentiality.

8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the project provided such meeting could have an impact on the contractual relations between the Principal and the bidder(s)/Contractor(s). As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in specific manner, refrain from action or tolerate action.

8.5 The Monitor will submit a written report to the Chairman & Managing Director of the Principal within to Weeks from the date of reference or intimation to him by the principal and, should the occasion arise, submit proposals for correcting problematic situations.

8.6 If the Monitor has reported to the Chairman & Managing Director of the Principal a substantiated suspicion of an offence under relevant IPC/PC Act, and the Chairman & Managing Director of the principal has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.

8.7 The word 'Monitor' would include both singular and plural.

SECTION 9 - FACILITATION OF INVESTIGATION

9.1 In case of any allegation of violation of any provisions of this Pact or payment of commission, the Principal or its agencies shall be entitled to examine all the documents including the Books of Accounts of the bidder(s)/Contractor(s) and the bidder (s)/Contractor(s) shall provide necessary information and documents in English and shall extend all help to the Principal for the purpose of verification of the documents.

SECTION 10 - LAW AND JURISDICTION

10.1 The Pact is subject to the Law as applicable in Indian Territory. The place of performance and jurisdiction shall be the seat of the Principal.

10.2 The actions stipulated in this Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

SECTION 11 – PACT DURATION

This Pact begins when both the parties have legally signed it. It expires after 12 months on completion of the warranty/ guarantee period of the project /work awarded, to the fullest satisfaction of the Principal.

If the bidder(s)/Contractor(s) are unsuccessful, the Pact will automatically become invalid after three months on evidence of failure on the part of the bidder (s)/Contractor(s).

If any claim is lodged/made during the validity of the Pact, the same shall be binding and continue to be valid despite the lapse of the Pact unless it is discharged/determined by the Chairman and Managing Director of the Principal.

SECTION 12 - OTHER PROVISIONS

12.1 This pact is subject to Indian Law, place of performance and jurisdiction is the Registered & Corporate office of the Principal at Bengaluru.

12.2 Changes and supplements as well as termination notices need to be made in writing by both the parties. Side agreements have not been made.

12.3 If the bidder(s)/Contractor(s) or a partnership, the pact must be signed by all consortium members and partners.

12.4 Should one or several provisions of this pact turn out to be invalid, the remainder of this pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

12.5 Any disputes/ differences arising between the parties with regard to term of this Pact, any action taken by the Principal in accordance with interpretation thereof shall not be subject to any Arbitration.

12.6 The action stipulates in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.



In witness whereof the parties have signed and executed this Pact at the place and date first done mentioned in the presence of the witnesses:

For PRINCIPAL

For BIDDER(S)/CONTRACTOR(S)

.....

.....

Name Designation.

Name Designation.

Witness:

1.
2.

1.
2.

ANNEXURE-III

Bid Security Declaration

Dated:

To
The ITI LIMITED
Raebareli Unit
UP- 229010

Sir,

Subject: **Tender No: ITI/RBL/B-Net/PS/02 dt: 20/05/2025 for the Supply of Power Systems (Hybrid Uninterrupted Power Supply)for Bharatnet Project on Rate Contract Basis**

We, the undersigned, declare that:

1. I/We understand that, according to the general conditions, offers must be secured with a bid security or to be supported with a Bid-Security Declaration.

2. Accordingly, in lieu of Bid security, I/We unconditionally declare that:

(a). I/We undertake to stand to all our statements and declarations towards this tender as agreed upon by us.

(b). I/we will not alter or change any of the conditions during the validity and after our selection as successful bidder and award of this tender.

(c). I/We will abide by all the terms and conditions of the tender.

(d) I/we fully understand that I/we will be automatically disqualified and barred from bidding for any contract and doing business for a period of **two (2) years** upon receipt of your Barring/Blacklisting/Suspension Order,

(e) I/we will pay the applicable fine or damages as provided by any stipulation or guidelines from the appropriate authority in this regard for the violation of PoC Securing Declaration; and,

(f) I/We undertake to comply above, without prejudice to other legal action or remedies ITI Ltd. may have, to secure itself from the damages and losses incurred due to the act of default or violation by undersigned company/entity.

Duly authorized to sign the bid for and on behalf of:

[Insert complete name .of bidder]

Dated on ___ day of _____ *[insert date of signing]* Corporate Seal (where appropriate)

Annexure-IV**Technical Specifications for Power System (HUPS, Lithium Battery, MPPT Module & Solar Panel)**

Revised “Minimum Technical specifications for **Hybrid Uninterrupted Power Supply (HUPS)** System at GP),” as per as per Amendment# 12.5, are further REVISED (AMENDMENT No.- 25 of Tender No. MM/BNO&M/BN-III/T-791/2024 issued on 15.02.2024- Section-VIII of Annexure-B(UPS)) and mentioned below:

The **Hybrid Uninterrupted Power Supply (HUPS)** System at GP shall comply to TEC **GR No 66160:2024** with ratings of various modules/ additional functional requirements as mentioned below. The additional functional requirements mentioned below will supersede the specifications in the TEC GR, in case of conflict.

- 1) **Inverter** - 0.5 KVA
- 2) **Rectifier**: 1+1 with capacity of 25 Amp each
- 3) **Solar Charge Controller**: This unit should be pluggable in modular chassis-based design, to connect solar panels as per requirement.
- 4) **DSCA Unit**: DSCA Unit shall integrate with the rack for extending all the monitoring parameters to the S-NOC/ C-NOC using SNMP /RS485 protocols.
- 5) **Battery specifications**:
 - a) Capacity: 2400 VAH
 - b) Battery Type: Lithium Ion as per **TEC GR No.67030:2024** and latest amendments if any
 - c) BMS Technology: Active BMS
 - d) Battery Theft Prevention: Digital Interlock to Prevent Battery Misuse
 - e) BMS Interlock based on Hybrid UPS & Battery: RS485/CAN bus
 - f) Digital Interlock to Prevent Battery Misuse
 - i. Through the implementation of digital interlocking mechanisms, secure communication pathways can be established between the battery and the DSCA via an RS-485 enabled communication module / CAN protocol, or any other protocol
 - ii. The battery, equipped with an intelligent Battery Management System (BMS), will be programmed to initiate power supply exclusively upon receiving a specific signal, which the Hybrid UPS will be configured to emit.
 - iii. Consequently, ensuring that the battery discharges power solely for the operation of the Hybrid UPS.
 - iv. Should there be any attempt to connect any alternative load; the battery shall be designed not to provide power.
- 6) The System should be installed in the rack.
- 7) **Solar Panel**: 2 Nos of solar panels with minimum 500W each as per **TEC GR: 66080:2016** and latest amendments if any.
 - a. **Technical Requirements for SPV Modules**
 - i) Only indigenously manufactured crystalline PV modules shall be used.
 - ii) The PV module shall be warranted for a minimum period of 25 years from the date of supply.
 - iii) The power output of the module under STC shall be a minimum of 500 Watt-peak.

- iv) The module efficiency shall not be less than 19.00%.
- v) The bidder shall provide the make, model, I-V curve, and dimensional drawing of the offered SPV module.
- vi) The SPV module must have a unique BIS number, and the offered model should be covered under the specified BIS number.
- vii) The module must comply with all the technical requirements mentioned in BSNL TEC GR: 66080:2016 and latest amendments if any.
- viii) Unique serial number, model number, name of the manufacturer, year of manufacture, and module wattage details should be displayed inside the laminated glass or on the backside.
- ix) The supplied SPV module should have TSEC approval and be integrated with a power system that includes backup and an MPPT card as per BSNL Tender Ref. No. MM/BNO&M/BN-III/T-791/2024.

b) Technical Requirements of Mounting Structure: -

- i) SPV Modules are mounted on a specially designed hot dip galvanized iron structure (with corrosion resistant paint) that can be installed either on the roof or on the ground at an angle of tilt with horizontal in accordance with the latitude of the place of installation.
- ii) Mounting structure shall be hot dip galvanized iron structure, provided for mounting the module on any of the following locations: -
 - a) Roof top
 - b) On the ground at an angle of tilt with horizontal in accordance with the latitude of the place of installation.
 - c) On the Self-Supporting Mast/Tower.
- iii) The steel for the mounting structure shall be as per IS 2062: 1992 & the galvanization of the mounting structure shall be in compliance of IS 4759 latest issues.
- iv) Mounting structure shall be suitably designed to withstand the weight of the panel.
- v) The Mounting structure & mast designed shall withstand the wind speed of 200KM/hour. Design calculation shall be furnished, showing that the structure proposed shall withstand the wind speed of 200 Km/hr. The design for the mounting structure shall have the certification from a recognized Lab./Institution for the purpose.
- vi) The mounting arrangement shall be suitable for pole (mast) mounting, column mounting or flat surface, as desired by the ordering authority.
- vii) The exact mounting mechanism as well as the height of the mast (if required) shall have to be decided upon and specified by the ordering authority, as per the actual requirement at the site of installation and the same shall be mentioned in the purchase order.
- viii) Provision for directional & angular adjustment shall be provided to get optimum utilization of incident sunlight.

- ix) The design/drawings of the mounting structure shall be supplied along with the module to the purchaser.
- x) All other requirements not covered in the tender but mandated by BSNL TEC GR: 66080:2016 and latest amendments if any shall be the responsibility of the bidder to comply with.
- xi) The supplied Mounting Structure should have TSEC approval and as per BSNL Tender Ref. No. MM/BNO&M/BN-III/T-791/2024.

c) Technical Requirements of Earthing Wire: -

- i) Proper earthing shall be provided for SPV modules/panels/array, mounting structure.
- ii) 4 Sq. mm, multi stranded CU wire of green colour along with suitable lugs of reputed make should be provided as earthing wire.
- iii) All other requirements not covered in the tender but mandated by BSNL TEC GR: 66080:2016 and latest amendments if any shall be the responsibility of the bidder to comply with.
- iv) The supplied Earthing wire should have TSEC approval and as per BSNL Tender Ref. No. MM/BNO&M/BN-III/T-791/2024
- v) All other requirements not covered in the tender but mandated by BSNL TEC GR: 66080:2016 and latest amendments if any shall be the responsibility of the bidder to comply with.

8) Other requirements:


- a) The HUPS shall have provision to integrate 12V, 60W Solar Panels already deployed in BharatNet Phase I and Phase II in combination of 1X n no of Solar Panels (n=1 to 4 depending upon internal DC voltage e.g if internal DC voltage is 48V, then n=4) at the locations where 1 KW solar panel and MPPT based Solar Charge Controller are not provisioned. The PIA shall quote for separate 1 KW MPPT Solar CCU module to connect such taken over solar panels by the PIA in the existing network, with the HUPS.
- b) The equipment on load (i.e. Router, OLT etc) should not get reset on switching of the input supply from Grid/Solar/Battery or switching from rectifier 1 to rectifier 2.

Note:

QF-103, already obtained (before publication of these revised Technical Specifications vide Amendment No.- 25.1) against the earlier Technical Specifications (as per Amendment No.- 12.5) shall be acceptable to meet the eligibility for submitting the bid only. Successful bidders shall obtain TSEC against the latest Technical Specification, as above, before supplies.


Annexure-V(A)

(Submit Separate financial bid for individual package)

 ITI LIMITED, Raebareli					
(A Government of India Undertaking)					
RFP Ref. No: ITI/RB/B-Net/PS/02; Supply of Power Systems for BharatNet Ph-III Project on Rate Contract Basis					
Name of Firm:					
Price/Financial Bid format for Supply of Supply of Power Systems for BharatNet Ph-III Project on Rate Contract Basis					
Offer for HP under Package 8					
Sl	Item Description	Qty (a)	Basic Price (INR) (b)	GST % (c)	Total Price (INR) d = (a*b)*(1+c/100)
1	Power System with backup provisions at GP locations with accessories including installation, integration, testing and commissioning with provision of MPPT Card including solar panels (as per Section (IV C), Annexure-B, VIII)	1808			
2	Power System with backup provisions at GP locations with accessories including installation, integration, testing and commissioning with provision of slot for MPPT Card BUT excluding MPPT Card & solar panels (as per Section (IV C), Annexure-B, VIII)	1807			
3	MPPT solar module of 1 KW (as per sub section VIII of Annexure B of Section IV C - Amendment no. 12)	723			
4	CAMC Charges for Power System-HUPS except Li-ion Battery for 02 years (after completion of 03 years warranty period)	2			
5	CAMC Charges for Power System-HUPS including Li-ion Battery for 05 years (after completion of 05 years warranty period of Li-ion battery)	5			
6	Validity of offer		180 days		
7	Payment Terms		100% by LC with 180 days usance period from the date of delivery of the items at designated stores. Separate LC will be established for each lot of supply.		
Note-	i) Any deviation from above format shall be liable for rejection of the bid ii) Bidders shall provide all the accessories i.e. AC & DC input & output cables, communication cables, earthing cables etc. which are essential for operationality of Power system along with above items. iii) For AMC Formula $d = (a*b)*(1+c/100)$ Where a= Nos. of Years, b=Yearly AMC Charges, c = GST in %,				

Annexure-V(B)

(Submit Separate financial bid for individual package)

 ITI LIMITED, Raebareli					
(A Government of India Undertaking)					
RFP Ref. No: ITI/RB/B-Net/PS/02; Supply of Power Systems for BharatNet Ph-III Project on Rate Contract Basis					
Name of Firm					
Price/Financial Bid format for Supply of Supply of Power Systems for BharatNet Ph-III Project on Rate Contract Basis					
Offer for WB and A&N under Package 9					
Sl	Item Description	Qty (a)	Basic Price (INR) (b)	GST % (c)	Total Price (INR) d = (a*b)*(1+c/100)
1	Power System with backup provisions at GP locations with accessories including installation, integration, testing and commissioning with provision of MPPT Card including solar panels (as per Section (IV C), Annexure-B, VIII)	1031			
2	Power System with backup provisions at GP locations with accessories including installation, integration, testing and commissioning with provision of slot for MPPT Card BUT excluding MPPT Card & solar panels (as per Section (IV C), Annexure-B, VIII)	2381			
3	MPPT solar module of 1 KW (as per sub section VIII of Annexure B of Section IV C - Amendment no. 12)	683			
4	CAMC Charges for Power System-HUPS except Li-ion Battery for 02 years (after completion of 03 years warranty period)	2			
5	CAMC Charges for Power System-HUPS including Li-ion Battery for 05 years (after completion of 05 years warranty period of Li-ion battery)	5			
6	Validity of offer		180 days		
7	Payment Terms		100% by LC with 180 days usance period from the date of delivery of the items at designated stores. Separate LC will be established for each lot of supply.		
Note-	i) Any deviation from above format shall be liable for rejection of the bid ii) Bidders shall provide all the accessories i.e. AC & DC input & output cables, communication cables, earthing cables etc. which are essential for operationality of Power system along with above items. iii) For AMC Formula d = (a*b)*(1+c/100) Where a= Nos. of Years, b=Yearly AMC Charges, c = GST in %.				

Annexure- VI**Price for Spares**

Sl. No.	Items	Unit price	GST
1	Inverter - 0.5 KVA		
2	Rectifier: 25 Amp		
3	DSCA		
4	MPPT Card/Modules		
5	Lithium Battery 2400 VAH		
6	SPV module : 500W		

Annexure VII

BOQ.

SN	Item	Qty
1	Rectifier 25A in 1+1 architecture	2 Nos
2	UPS 0.5kVA in compliance to TEC-GR	1 No
3	Lithium Battery 48V/50AH	1 No
4	PV Panel 1kW (2*500W)	1 No
5	Solar mounting structure	1 Set
6	Solar Charger 1.0kW (MPPT)	1 No
7	Solar Cu Cables (Interconnecting Cable requirement for Solar Panel to HUPS) 3*04 Sq.mm (Red ,Black & Green)	10 Meters each
8	AC Cables (Interconnecting Cable requirement for LSPU to HUPS) 3 Core 5 Sq. mm	10 Meters each
9	Cu Cables (Interconnecting Cable requirement for Li Battery to HUPS) 5 Sq.mm Red (+) & Blue(-) -	more than 1 Meter each
10	Communication Cable (Li Battery to HUPS)	1 Meter
11	Communication Cable (HUPS to EMS of RACK)	2 Meter
12	other accessories : Lugs, fastners etc.	1 Set



Annexure-VIII

(To be submitted on the Bidder's Letterhead)

Date: _____

To,

DGM-PPM,T & TSEC
ITI Ltd. Raebareli.

Subject: No Deviation Certificate

Reference: Tender No. **ITI/RB/B-Net/PS/02** dated 20.05.2025

Dear Sir,

We hereby certify that our bid in response to the above-referenced tender fully complies with all the terms and conditions, scope of work, specifications, and other stipulations contained in the tender document.

We confirm that **there are no deviations** whatsoever from the tender requirements and conditions. We understand that any deviation identified at any stage may result in the rejection of our bid or termination of contract if awarded.

We unconditionally accept all the terms and conditions of the tender and agree to abide by them.

Thanking you,
Yours faithfully,

For and on behalf of:

[Name of the Bidder]

Authorized Signatory: _____

Name: _____

Designation: _____

Seal: _____



Annexure :IX

(To be submitted on the Bidder's Letterhead)

Date: _____

To,
DGM-PPM,T & TSEC
ITI Ltd. Raebareli.

Subject: **Declaration Regarding Blacklisting/Non-Debarment**

Reference: Tender No. **ITI/RB/B-Net/PS/02** dated 20.05.2025

Dear Sir/Madam,

We hereby declare that our company/firm, **[Name of the Bidder]**, and its directors/partners/proprietors have **not been blacklisted or debarred** by any Central Government/UT or State Government/Public Sector Undertaking or any other government agency or authority in India or abroad as on the date of submission of this bid.

We understand that if this declaration is found to be false or incorrect at any stage of the tendering process or during the currency of the contract, our bid/proposal may be rejected, and if already awarded, the contract may be terminated without any liability on the part of the client.

Thanking you,
Yours faithfully,

For and on behalf of:

[Name of the Bidder]

Authorized Signatory: _____

Name: _____

Designation: _____

Seal: _____