

Short term Expression of Interest (EOI) for Selection of Vendors for Supply, Installation, Commissioning, Operations and Maintenance of Portable Cabins, SMPS, AC, Solar Panels and related services in a Western State of India.



EoI / Tender (RFP) Reference	ITI/MSP/LKO//TS1/20-21 Dated: 26 th October2020
Due Date and Time for submission of EoI	2 nd November Up to 11:00 Hrs. on the Due Date
Time of the Sale of EoI Document	Up to 10:30 Hrs. on the Due Date
Cost of Tender Document in shape of e-Transfer/ DD in favor of ITI Limited Lucknow	Rs.10000/- (Rupees Ten Thousand Only)
EMD (e-Transfer/Demand Draft) in the favor of ITI Ltd	Rs1000000/- (Rs. Ten Lakh Only)
Tender Document Issued to	M/s
Signatures and Date of the issue of the EoI Document	

October 2020

ITI LIMITED
ITI BHAWAN VIBHUTI KHAND
GOMTI NAGAR LUCKNOW-226010

NOTICE INVITING EOI FOR SELECTION OF Partner for Supply, Installation, Commissioning, Operation and Maintenance of Portable Cabins/SMPS/ACs/Solar Panels/Batteries etc. and other related services in a Western State of India.

Ref: ITI/MSP/LKO/TS1/20-21

Dated:26.10.2020

ITI is undertaking System Integration projects for various customers on revenue sharing basis .Towards these business activities, ITI invites sealed Expressions of Interest (EOI) from eligible partner.

The scope of work: “Supply, Installation, Commissioning, Operation and Maintenance of Portable Cabins/SMPS/ACs/Solar Panels/Batteries etc. and other related services in a Western State of India”

The Partner jointly should work with ITI for addressing the Tender and implementing the projects in the event of ITI winning the contract.

Due Date and time for Submission of EOI on or before 11:00 Hrs, 02.11.2020

1	Technical Bid	EOI document cost Rs.10000 /- in DD/e-transfer in favour of ITI LIMITED. EMD :Rs 10,00,000.00[Ten Lakhs Only] in DD/e-transfer in favour of ITI LIMITED.
1(i).	Eligibility of SI	
	A	The entity should be either registered as a Company under Companies Act 1956/ 2013 or as a Partnership (including Limited Liability Partnership) under Partnership Act, 1932 as the case may be.
	B	The bidder should have local presence and should have an office in the State where work is to be done. In case bidder does not have office, bidder should give an undertaking to open an office in within 15 days from the date of award of work order.
	C	The Bidder should have minimum cumulative annual turnover of Rs 12 Cr in the last three financial year (2017-18, 2018-19 & 2019-2020)
	D	The Bidder should have a positive net worth.
	E	The bidder has to ensure that Shelter OEM should have supplied at least 50 Shelters /porta cabin to telecom/IP infrastructure provider/ Indian Army/ Govt. of India in last 5 years from submission of bid and have experience of Civil work and should be an EPC contractor.
	F	The bidder & OEM should not have been barred from participating in any tender/ providing services/procurement process or supply of materials by an organization / department / office/ PSU/ board or corporation of either Government of India or any state government.
	G	The bidder should have a valid GST registration
	H	Bidder should submit a “Manufacturers Authorization form” (MAF) for Shelter, Air conditioner, SMPS & Battery bank issued by the respective OEM authorizing the bidder to supply & install the equipment’s.

	I	The Bidder should support ITI in complying with Preferential Market Access (PMA) guidelines notified by DoT and all its clarifications/amendments applicable on this RFP.
	J	Bidder and OEMs of proposed solution from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with Competent Authority as per OM No. 6/18/2019-PPD dated 23 rd July 2020 issued by Department of Expenditure, GoI
1(ii)	The Partner need to submit the following:	
	A	Company Profile
	B	Certificate of Incorporation
	C	Audited Annual Report for last 3 years
	D	GST NO.
	E	All documents in support of Eligibility of SI.
	F	PAN Number/Income Tax return copy for the assessment for the last TWO years
	G	Funding Plan for the projects (Banker's solvency certificate)
	H	Undertaking to work with ITI as per EO/Tender terms and conditions including Warranty & post-warranty services and implementing the project in the event of ITI winning the contract.
	I	Undertaking (on Letterhead) for submitting DD/E-Transfer and bearing all expenses towards preparation of PBG .
	J	Undertaking to obtain support letter from OEMs in favor of ITI
	K	Manpower details to be furnished
	L	Undertaking to obtain relevant statutory licenses, copyrights etc., for operational activities
	M	To submit Power of attorney authorizing the person signing the bid for this EOI
	N	Support center details to be furnished
2	Financial Bid	Consolidated Margin being Offered (Covering the – Supply, Installation, Wiring & Commissioning including Warranty Support as per tender) in percentage (%) to ITI excluding Taxes. (to be submitted separately in sealed cover). Please also refer note 9 below

Note:

1. The financial bid (Indicating the Margin Clearly) and Technical Bid shall be placed in separate sealed envelopes only, super scribed with words “**Technical Bid**”. & “**Financial Bid**”. Both the bids are to be placed in a separate sealed cover mentioning, “**DON'T OPEN BEFORE 11:30 hrs 02.11.2020**”.
2. The BID will be rejected, if the margin is not offered and offered margin is not mentioned in a separate sealed cover.
3. Technical bid will be opened **11:30Hrs 02.11.2020**.
4. Financial Bid opening will be done after the evaluation of Technical bid (Only for technically qualified bidder).
5. Bid should be valid for a period of **180** days from the date of opening of bid.
6. Conditional offers are liable for rejection.
7. Scope of the work and other details of the Bid document will be available with ITI and interested parties may collect the details/documents from Lucknow Office (Mr. Rakesh Srivastava , Chief Manager Services Mobile;8840262344). The technical specification is enclosed with EOI .
8. ITI personnel will be involved with the implementation Team in each location.
9. Payment to the successful bidder shall be made after deducting the offered margin to ITI, operational expenses payable to customer and the statutory taxes payable to the Govt. (Penalties if any levied by the customer will be passed on to the successful bidder from the net amount received from the customer).

10. Clause by clause compliance of EOI with references to supporting documents.
11. Successful bidder has to sign consortium agreement covering the terms and conditions of the customer.

The interested Partners/SIs may like to discuss the detailed Scope of Work with the concerned persons as under.

ITI Limited reserves the right to accept or reject in part or full any or all the EOIs without assigning any reasons therefore and without incurring any liability to the respondents.

The EOI may be sent in a sealed cover marked “Supply, Installation, Commissioning, Operation and Maintenance of Portable Cabins/SMPS/ACs/Solar Panels/Batteries etc. and other related services in a Western State of India”

so as to reach the following address on or before **11.00 hrs 02.11.2020.**

**AGM[CM & MSP NZ II]
ITI LIMITED
ITI BHAWAN VIBHUTI KHAND
GOMTI NAGAR LUCKNOW-226010**

The following clauses/conditions are to be considered for Response to EOI:

- 1] For tenders involving ITI manufacturing products, ITI may provide the required quotes etc.
- 2] ITI reserves the right to undertake partial supplies of the mentioned quantity.
- 3] ITI reserves the right to undertake services likes installation & Commissioning activities, Annual Maintenance Contract (AMC) etc.
- 4] All terms and conditions of the project as imposed by end customer on ITI will be applicable on selected agency along with terms and conditions of this EOI.
- 5] Margin to ITI would be payable on supply, I&C and AMC services undertaken by the selected agency for the project.
- 6] All activities like Proof of concept on “No Cost No Commitment” (NCNC) basis wherever applicable will be the responsibility of OEM and SI.
- 7] Agencies should be willing to impart required training to ITI engineers for undertaking services & execution of project.
- 8] Agencies will be responsible for any short coming in the BOM and the same should be rectified free of cost.
- 9] Agencies should be willing to provide ToT for manufacture of offered products in ITI.
- 10] Agencies should be willing to sign an exclusive agreement with ITI for smooth execution of the project.
- 11] All commercial terms will be as per the RFP/PO.
- 12] Earnest Money Deposit (EMD) / Bid security /PBG required for submitting the bid will be borne by the selected agency.

(This is the format of Integrity Pact to be signed by the bidder with ITI in case the RFP/EOI of the bidder is found suitable for addressing the business opportunity.)

PRE-CONTRACT INTEGRITY PACT

Purchase Enquiry/Order No. ITI/MSP/LKO/TS1/20-21 **Dated:** 26th Oct, 2020

THIS Integrity Pact is made on.....day of20 .

BETWEEN:

ITI Limited having its Registered & Corporate Office at ITI Bhavan, Dooravaninagar, Bangalore - 560 016 and established under the Ministry of Communications, 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 also include its successors and assigns) ON THE ONE PART

AND:

..... represented by
Chief Executive Officer (hereinafter called the 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, contract for of ITI Limited (name of the Stores/equipment/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 Withmesseth As Under:

Section 1 - Commitments of the Principal

1.1 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.

1.2 If the Principal obtains information on the conduct of any of its employee, which is a criminal offence under IPC/PC Act 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 bidders/contractors 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

3.1 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.

3.2 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.

3.3 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.

3.4 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.

3.5 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.

3.6 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.

3.7 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) makes 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 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 Treatment of All Bidders/Contractors

6.1 The Principal will enter into Integrity Pact on all identical terms with all bidders and contractors for identical cases.

6.2 The Bidder(s)/Contractor(s) undertakes to get this Pact signed by its sub-contractor(s)/sub-vendor(s)/associate(s), if any, 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 sub-contractors/sub-vendors/associates.

6.3 The Principal will disqualify from the tender process all bidders who do not sign this Integrity Pact or violate its provisions.

Section 7 - Criminal Charges against Violating Bidder(S)/ Contractor(S)

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 extent the parties comply with the obligations under this pact.

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 a reasonable time 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.

8.8 Details of the Independent External Monitor appointed by the Principal at present is furnished below: -

Shri Venugopal K. Nair, IPS (retd.)

P-1, Waterford Apartment

Pt. Kuruppan Road, Thevara

Kochi - 682 013, KERALA

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

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

11.1 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.

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

11.3 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.

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

12.4 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

Witness

1)

1).....

2)

2).....

Bid Evaluation Process / Methodology:

This EoI would be subjected to a 2 Stage Evaluation Process. All Bidders are requested to note the entire evaluation process carefully.

Prior to the detailed evaluation, ITI will determine the substantial responsiveness of each EoI/ Bid to the EoI/RFP Document. For purpose of ascertaining the eligibility, a substantially responsive bid is one which confirms to all the terms and conditions of the EoI/RFP Document without deviations.

The purchaser's determination of bid's responsiveness shall be based on the contents of the bid itself without recourse to extrinsic evidence.

ITI may waive any minor infirmity or non-conformity or irregularity in the Bid/EoI which doesn't constitute a material deviation, provided such waiver doesn't prejudice or effect the relative ranking of any bidder.

The EoIs/Bids submitted by the Bidders would be subjected to a well-defined and transparent evaluation process.

The Bidder(s) will be evaluated on QCBS(Quality cum Cost Basis Selection) System with different weightage for Technical Bid and Commercial Bid (at different Bidding stages).

First and Second Stage Bid Evaluation:

All EoIs (bids) would be subjected to a process where the weightage of the technical part would be 65% and the weightage of the Commercial part would be 35%.

A maximum of 1000 marks will be allocated for the Technical Bid. The evaluation of functional and technical capabilities of the Bidders will be completed first as per the following process:

Only the technical proposals will be subjected for evaluation at this stage. The Bidders scoring less than 600 marks (cut-off score) out of 1000 marks in the technical evaluation shall not be short-listed for next stage of Financial-Bid Evaluation process.

Only those Bidders who qualify as per the specified Eligibility Criteria shall be considered for the Technical Bid evaluation (First Stage evaluation) in which scores will be awarded based upon the evaluation matrix. The bidders scoring at least 600 points in the technical evaluation shall only be considered for further Evaluation. The scores of Technical Bids will be carried forward from first stage of Evaluation to Second Stage of Evaluation i.e. Financial Bid evaluation.

ITI may, at its sole discretion, decide to seek more information from the Bidders in order to normalize the bids. However, the Bidders will be notified separately, if such normalization exercise as part of the technical evaluation is carried out.

The Bidders who are short-listed based upon technical criteria may be asked, if necessary, to make a presentation on their solution at LUCKNOW, at their own cost.

At the Second Stage Evaluation, the bids will be further evaluated on the basis of the vendor ratings which will be done on the base of combined scoring of the Technical-Bid (weighted) and Financial Bid (weighted).

Successful Bidder will be the one that has highest vendor rating.

First Stage Evaluation

Only Technical Part of the Bid/ EoI/Tender of the Qualified Bidders would be evaluated for the Technical Rating (Technical-Scores). Weightage is 65%.

Second Stage Evaluation

Evaluation of the Commercial Part of the Bid/EoI/Tender for the Preliminary Financial Rating of the bidders. Percentile weightage of this Commercial Part would be 35%.

Vendor Rating (Combination of First and Second stages of Evaluation) would result in to the Overall (Final) rating of the Bidder for the Selection of the SIA

TECHNICAL RATING (TR) would be evaluated on the basis of the following formula:

$$TR = \frac{65}{100} \times \text{Technical Score (TS)}$$

Where Technical Score (TS) would be calculated as per the Technical evaluation Matrix given in this section of the Bid Document.

COMMERCIAL RATING(CR)would be evaluated on the basis of the following formula:

$$CR = \frac{35}{100} \times \text{Commercial Score (CS)}$$

Commercial Score (CS)

Commercial Rating is based on Commercial Scoring (CS) of a particular bidder which will be worked out as per the Formula given below:

$$CS = \frac{AQ}{BQ} \times 1000$$

Where:

AQ is Actual Quote (Commercial Score) of a particular Bidder under consideration.

BQ is Best Quote (Commercial Score) of the Best Bidder

$$VR(\text{Vendor Rating}) = TR(\text{Technical Rating}) + CR(\text{Commercial Rating})$$

ITI reserves the right to reject any or all bids without assigning any reasons thereof. *It shall not be obligatory for ITI to award the work only to the lowest bidder.*

Matrix of Technical Bid Evaluation:

The technical evaluation for knowing the Technical Rating (TR) of the bids will be done strictly on the basis of Technical Score (TS) which would be computed as per the matrix shown below:

Sr. No	Parameters	Weightage in terms of Scoring		Max. Score
1.	Presence (duration in years) of the Bidder in the field of System Integration /Telecom shelters SMPS/Solar Panels/ACs/Similar Scope of work/ Telecom Business.	3 to 4 Years of Presence	30	50
		4 to 6 Years of Presence	40	
		More than 6 Years of Presence	50	
2.	Organization and Ownership Status of the Bidder	Privately Owned /Partnership Firm	30	50
		Private Limited Company	40	
		Public Ltd Company /PSU	50	
3.	Bidder's Average Annual Turnover during last 3 Financial Years	Eligibility Criterion (Minimum) to 1.25 times of the Eligibility Criterion	30	50
		1.25 times of the Minimum to 1.5 time the Eligibility Criterion	40	
		More than 1.5 times of the Eligibility Criterion	50	
4.	Experience of the Bidder in the deployment of Telecom shelters SMPS/Solar Panels/ACs/Similar Scope of work/ Telecom Business in Govt. domain in terms of business volume.	Eligibility Criterion (Minimum experience) to 1.25 times of the Eligibility criterion	50	100
		1.25 times of the Minimum Experience to Twice the Eligibility Criterion	75	
		More than Twice the Eligibility Criterion	100	
5.	Experience of the Bidder in the deployment of Telecom shelters SMPS/Solar Panels/ACs/Similar Scope of work/ Telecom Business in Govt. domain in terms of Number of Projects.	No Experience	00	100
		One project	50	
		Two or More projects	100	
6.	Experience of the Bidder in the deployment of Telecom shelters SMPS/Solar Panels/ACs/Similar Scope of work/ Telecom Business during last 5 years in terms of Number of Projects	No Experience	00	150
		One Project(50 shelters)	25	
		Two Projects (50 shelters + smps)	50	
		Three to Four Projects(50 shelters + smps + solar panels)	100	
		More than four Projects(50 shelters + smps + solar panels+ACs)	150	
7.	Experience of the Bidder in implementation of projects involving Telecom shelters SMPS/Solar Panels/ACs/Similar Scope of work/ Telecom Business/Civil work as EPC contractor	No Experience	00	100
		Experience	100	
8.	ITI's past Experience with the Bidder (or any Consortium member) in Projects.	No Experience	00	100
		Satisfactory Past Experience	50	
		Good Past Experience	100	

9.	Understanding of the Requirement, Technical Solution and Technologies to be deployed	Average (demonstrates ambiguous Solution /Poor Price-benefit to Govt. Exchequer.)	25	150
		Fairly Good (demonstrates an Ordinary Solution/ Moderate Price-benefit to Govt. Exchequer.)	50	
		Very Good (demonstrates a Good Price-benefit to Govt. Exchequer.)	100	
		Excellent Solution (demonstrates a strong Price-benefit to Govt. Exchequer.)	150	
10.	Technical Presentation as per Annexure-P on Project Implementation, Support Mechanism etc.	Unsatisfactory	00	150
		Average	50	
		Good	100	
		Excellent	150	
Technical Score (Positive) of an Individual Bidder TS-1				
11.**	Negative Marking towards the Past Experience of ITI with the bidder in recent 5 years	Unsatisfactory (due to the Performance of the Bidder or a Consortium Member which might have caused Embarrassments to ITI by way of Inordinate Delays in the project execution and Imposition of Severe Penalties on ITI)	150	
		Poor (due to deliberate neglect of ITI's Projects or Pricing Misappropriation /Tax Evasion at the part of the Bidder or a Consortium Member in past which might have caused major Embarrassment to ITI on Legal/Fiscal front or Heavy Loss to Government exchequer.	200	
		Deceitful action of the Bidder(s) against ITI during some Bidding Process (happened in past) which has resulted Breach of Trust between the Bidder(s) and ITI for further business alliances	300	
Technical Score (Negative) of an Individual Bidder TS-2				
Resultant Technical Score TS of an Individual Bidder (TS1 minus TS2)				
MAXIMUM SCORE OF TECHNICAL BID=				1000

Technical Presentation:

As Bidder's clarity on the understanding of the requirements is a 'Prudent Factor' of the assessment of the capability of the prospective System Integrators (SIA)/Vendors/Bidders, all bidders would be given an opportunity in a transparent manner to project their strengths. This Power-Point presentation will carry weightage in the Technical Bid (150 marks out of 1000). The presentation would be agenda based where each aspect would be given due consideration. The presentation would be of 45 Minutes duration (Approx.)

The agenda of the presentation is given below:

Sr. No.	Agenda Point of the Presentation	Max Marks	Allocation of theMarks
01.	Understanding of Technical Requirements	150	25
02.	Technical Capabilities of the Bidder(s) and other OEMs (if any).		35
03.	Financial Capabilities of the Bidder(s)		30
04.	Project Implementation Methodology including Logistics and Resource Deployment		20
05.	Experience of the Prime-Bidder in Handling of the Government Projects.		10
06.	Challenges and concerns from the Bidder's perspective.		05
07.	Challenges and concerns from Buyers perspective.		05
08.	Methodology of Warranty and Post-Warranty Support / Maintenance of the EOI Requirements & Solution.		15
09	Expectations from ITI Limited and the Government Agency (the end User)		05
12	Total		150

The Bidders are supposed to submit both ink-signed Hard copy and Softcopy (in CD/DVD/Pen Drive) of the presentation for further evaluation and records. The bidders would not be given further time-slot to revise/modify the presentation.

The bidders may bring the product specialists and Project implementation team members along with Commercial managers to submit the spot clarifications if any.

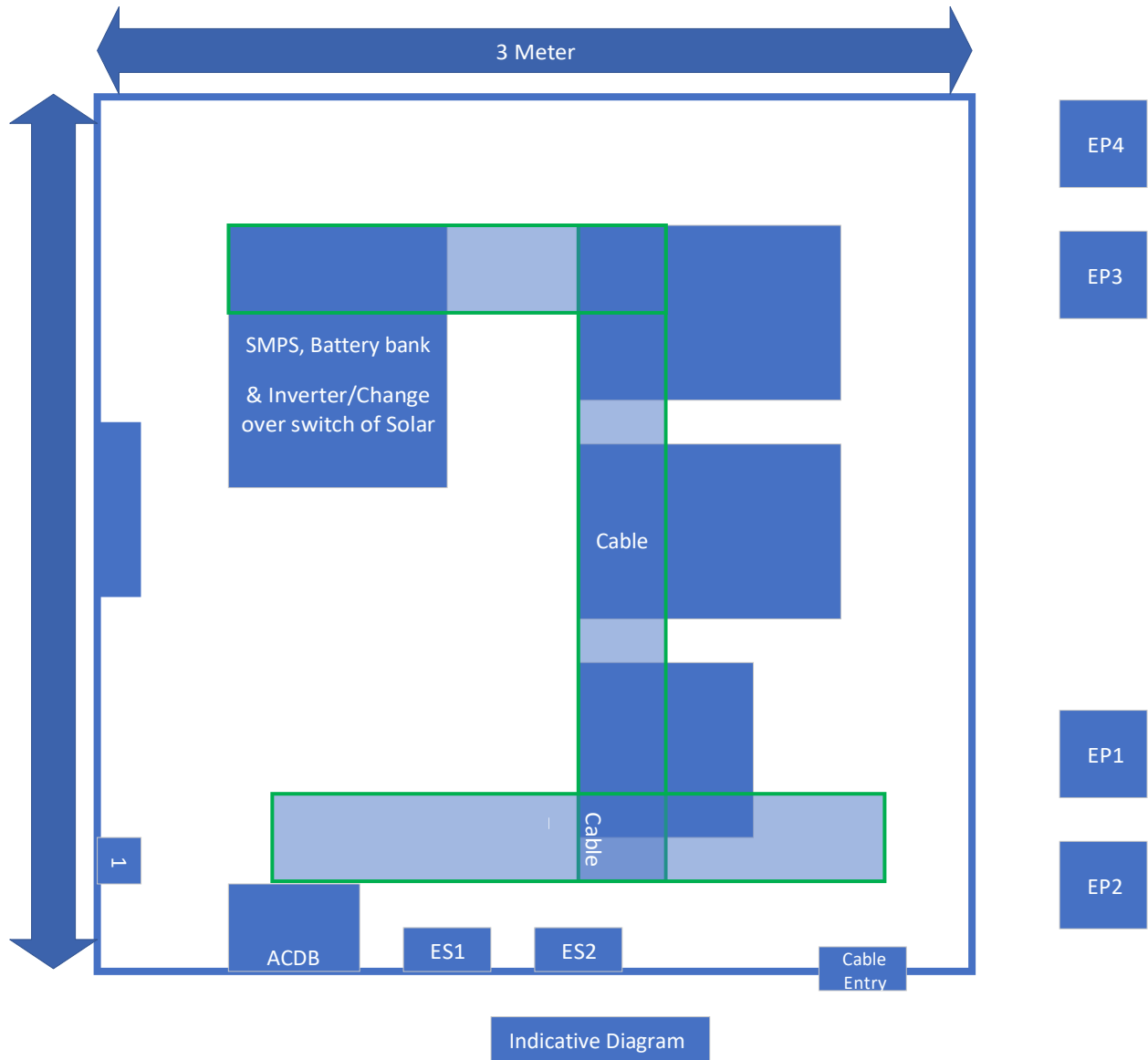
The presentation would remain confidential and the details of one bidder shall not be shared with any other bidder by ITI Limited.

The bidder shall intimate the Details of the Presentation Team members in advance to avoid any confusion at later stage.

The scoring of this presentation may not be declared same day.

“Supply, Installation, Commissioning, Operation and Maintenance of Portable Cabins/SMPS/ACs/Solar Panels/Batteries etc. and other related services in a Western State of India”

1. Indicative Shelter Diagram.



2. Scope of Work

Selected bidder will have to supply, install and commission Infrastructure including porta cabin/shelter, ACDB (AC distribution box), DCDB, AC, SMPS, battery bank, solar panel & its related accessories, earthing strips and earthing pits at any Govt. premises at Blocks/Talukas or as per customer's requirement. Selected bidder will also have to carry out required civil work to install shelter /porta cabin as per the details provided in specifications below and electrical cabling work for successful commissioning of all electrical equipment's. Selected bidder(s) will have to supply shelter with Infrastructure and equipments at the locations within Western State as per requirement of CUSTOMER. Scope may vary up to +/- 25%.

3. Specifications of SMPS and battery bank: The specifications of SMPS with battery bank required are as follows:

Sr. no	Parameters	Minimum Specifications
1.	Input Voltage and Frequency	300 - 475 VAC, Three Phase and 50 Hz +/- 2 Hz
2.	Output Voltage	Nominal : -48V DC
3.	Cutoff voltage for Battery	SMPS should be able to configure for defining Cutoff voltage (V): -42v to -44v
4.	Rectifier module / Capacity	<p>a) Adequate capacity to cater DC load of 60Amp for electronic equipments. Rectifier modules of min 50Amp (N+1) to be supplied. Bidder has to consider charging current requirement for battery back-up separately.</p> <p>b) Power plant compatible with VRLA or Lithium Ion batteries having 7years of battery life & has enough capacity to take care of load and battery at C/10 rate of charge.</p>
5.	Protection	The SMPS shall have an In-built Class C surge protection device. SMPS power plant to ensure prevent from Deep Discharge and battery under voltage.
6.	Alarm extension	The SMPS shall have advanced intelligent controller with ethernet interface supporting SNMP based communication for integration with CUSTOMER NMS to monitor specified parameters/alarms like overvoltage, battery on load, under voltage, temperature, door opening, smoke/fire detection, mains or battery discharge, etc. SMPS will have to send all these alarms towards NOC/NMS of CUSTOMER. OEM will have to share MIB file for necessary integration with NMS.
7.	Indications & Alarms	The SMPS shall have LEDs for status indications and visual display to show alarms for output over voltage, overload or any module failure
8.	Additional rectifier modules capability	The system shall be expandable at rack level itself, using the basic modules of the same rating as per the additional equipment to be deployed in future.
9.	DCDB	The system shall be provided with at least 8 Nos. of MCBs (4 nos. 16Amp MCB + 4 nos. 32Amp MCB). MCBs may be installed separately in DCDB box or as part of SMPS chassis. All the MCB units shall bear ISI mark.
10.	Battery Backup	Minimum backup of 480 Minutes on initial full load
11.	Battery Type	<p>a) VRLA (SMF) / Lithium Ion Battery</p> <p>b) Functional Operating Temperature Range (Charge) 0°C to 45°C & Operating temperature range (Discharge) 0 to 50°C,</p> <p>c) Proposed battery (VRLA or Lithium Ion) must have minimum 7 years of battery life and on site free of cost replacement warranty support for the contract tenure. Bidder will have to submit the undertaking along with test certificate confirming the life of proposed battery on its letter head duly signed and stamped by its competent authority. In case of degradation of battery performance during contract tenure, it will be in successful bidder's scope to replace the battery without any additional cost to CUSTOMER.</p> <p>d) Module charging voltage: Between -48V to -56V</p>
12.	Expected Battery life	<p>a) Under ideal conditions i.e. moderate ambient temperature (10°C to 35°C). However, the same battery at an average temperature of 35°C in cyclic discharge application to 80% DOD (depth of discharge) will have to give min. seven (7) years of operational life.</p> <p>b) Depth of Discharge (DOD) is defined as the ratio of quantity of electricity (in Ampere-hour) removed from a cell or battery on discharge to its rated capacity.</p>
13.	Installation	a) Battery Bank, SMPS should be installed on a Non-corrosive stand/ or installed in separate Rack, stand/rack should be capable to withstand the load of SMPS and Battery bank.

Sr. no	Parameters	Minimum Specifications
		b) Battery stacking shall be done with a view to optimize floor space as per floor diagram and loading. The Contractor shall provide the necessary installation arrangements including grouting, base frames etc. c) Bidder will have to install the rack /stand & commission the SMPS & battery bank such that minimum space is occupied in telecom shelter d) However, Supply, Installation and commissioning, O&M of FDMS & OLT equipments will not be in the scope of Bidder

4. Specifications of Porta cabin/Shelter: The specification of porta cabin is given in table below:

Sr. no.	Parameters	Minimum Specifications
1.	Internal dimensions	Length (Depth of shelter) –3 Meter, Width – 3 Meter, Height – 2.7 Meter
2.	Thickness of Inner Wall skin	>=0.8 mm percolated GI sheet
3.	Thickness of Outer Wall skin	>=0.6 mm percolated GI sheet
4.	Core material between inner wall skin and outer wall skin	a. 80 mm thick Poly Urethane Foam b. Density of 40kg/Cu. m. c. Thermal conductivity: < 0.02 W/m. Degree Kelvin
5.	Integral projected roof	100 mm on all four sides to give rain Protection
6.	Floor Insulation	55 mm thick PUF
7.	Floor load capacity	2000 kg/Square meter
8.	Survival wind speed	At least 100 Kmph
9.	Door	Insulated Metallic door, at least 920 mm X 2140 mm fitted with rubber gasket
10.	Door Locks Standard	Single point Mortise lock with minimum 3 sets of keys
11.	Door Hinges	Stainless steel pickproof Hinges (3 Nos.)
12.	Cable tray	a. 250 mm wide powder coated aluminum ladder type cable tray b. Thickness 2 mm
13.	Others	Porta cabin shall be self-standing, self-supporting galvanized steel structure.
14.		Porta cabin roof shall be cambered to the side of the porta cabin
15.		Porta cabin shall be designed on steel channel frame and secured using foundation bolts.
16.		A 19 mm thick waterproof ply shall rest on the porta cabin floor. It shall be fire retardant, fungus proof, termite proof and anti-abrasive.
17.		Floor shall be covered with 1.8 to 2.2 mm thick Green, Blue or any other attractive color anti-static mat
18.		For earthing of electronics & Electrical components, Two numbers of wall mount long copper strip/bar of dimensions length 300 mm, width 25mm, 5mm depth with M8 bolt size rounded holes and insulator in it.
19.		Door rain guard to be provided above the door for smooth operations.
20.		Porta cabin shall have cut-outs for following: <ul style="list-style-type: none"> • Fiber cable • Power cable • Air Condition inlet & outlet • Earthing cable a) Fiber cable Cut-out will be made by bidder at each shelter location at spot marked by CUSTOMER. b) To avoid water seepage bidder will fix MCT module (Cable entry module) which can allow 9 fiber cable entry (cable diameter may range between 25mm to 8 mm) at each shelter location this cut out will be dedicatedly for

		<p>fibre cable.</p> <p>c) Selected bidder will also have to do the Puff sealing on any open holes to avoid water seepage in to shelter.</p>
21.		<p>Porta cabin shall be waterproof.</p> <p>a) At the time of acceptance testing through water showering or any other methodology as per facility available at site to ensure water proofing for all installed CUSTOMER shelters. Power supply needs to be shut before starting for this testing and all Equipments installed in shelter needs to be powered off.</p>
22.		Porta cabin shall have adjustable anti-corrosive Aluminium access ladder.
23.		The foundation shall be made of reinforced cement concrete with suitable grade to sustain entire load of porta cabin and equipment.
24.		The foundation shall be designed in accordance with local rules and regulations and the municipal / concerned government authorities' guidelines to be adhered.
25.		<p>a) While constructing the foundation, load bearing capacity of soil, seismic load and wind load to be accounted for. In case of roof top installation, building load bearing capacity & structural stability to be accounted for.</p> <p>b) Bidder shall have to submit the soil testing / structure stability testing report/certificate for each infrastructure location before start of work from Govt. approved agency.</p>
26.		The foundation shall support the porta cabin at minimum 4 points with vertical RCC Columns having arrangement of base plate and foundation bolt to fix the porta cabin. The height of the RCC column should be between 50cm to 90cm as per site requirement to protect porta cabin from waterlogging
27.		Steps required to be provided for entering to porta cabin/shelter.
28.		Porta cabin shall have at least 2 no. x 20W white colour LED tube light. The porta cabin shall have adequate lighting system and safety equipment.
29.		Porta cabin shall have at least 1 no. DC operated emergency light
30.		Porta cabin shall have wall mounted / floor mounted ACDB (AC distribution box) with suitable MCBs and visual indication for each phase of supply. All the MCB units shall bear ISI mark.
31.		Porta cabin shall have at least 2 no. x 15A adjustable AC socket with switch board for laptop / tester charging.
32.		Porta cabin shall have sensors/transducers for temperature, door opening and smoke/fire detection. Necessary arrangement needs to be done to extend all these alarms to SMPS controller card so that same can be sent towards CUSTOMER NOC/NMS. Bidder shall have to provide the required modem/hardware to extend the connectivity.
33.		Porta cabin shall be equipped with Fire extinguisher clean agent -1 nos. - 6Kg; ISI marked
34.		Porta cabin shall have acrylic based polymer coating to cover entire roof joints to provide rain shield on the porta cabin and the coating shall withstand UV rays and expansion / contraction under extreme weather condition. The construction of porta cabin will be such that water seepage must not happen in any condition.
35.		Construction of porta cabin shall be such that it can be transported in a dismantled form to the site & assembled there

5. Specifications of Air Conditioner (AC)

Sr. No.	Particular	Minimum Specification
1	Total Cooling capacity	Min 2TR twin Circuit without FCU, Commercial Grade ACs.
2	Rated Voltage	230V Single phase – 50Hz, 48VDC

3	Refringent used	R32/R410/R134
4	Timer facility	Yes
5	Display panel	Yes
6	Mat. Type of Tube	Internally grooved Copper
7	Evaporate Air flow	Minimum 600 CFM
8	General	<ol style="list-style-type: none"> 1. There shall be two A/Cs of equal Tr capacity at each infrastructure site. Whole unit/cabinet shall be outside the shelter/room with the requirement of at the most two cutouts in the shelter/room wall; one for supply-air & the other for return-air. 2. Weight of the unit has to be supported on a galvanized steel stand, of requisite height as per the site condition, designed to carry the static & dynamic load of the unit continuously. The stand shall be properly grouted at site. The A/C unit shall be powder coated with 50micron thick layer
9	Supply, installation commissioning of AC	<ol style="list-style-type: none"> 1. The unit in itself shall be weatherproof so as to safeguard the components inside. 2. The evaporator filter shall be of washable (using water) type. 3. Built-in thermal overload shall be provided in each A/C. 4. Opening in which the A/C is installed should be sealed to prevent air-leakage. 5. A/C units should be ruggedly fixed to ensure minimum vibration during operation. 6. Manufacturer's written-down procedure should be strictly adhered to regarding vacuuming, buffering & gas charging. 7. Interiors of the A/C equipment must be cleaned before switching it ON. Else the accumulated dust inside the A/C will spread in the room. 8. Check the tightness of all electrical terminations before switching ON the A/C. 9. There should be no loose nut-bolt/screw/joint in the A/C. 10. During testing of both the A/Cs, simulate all the alarms. We should get all the alarms on the controller in auto & manual modes. 11. Potential free contacts shall be provided to transmit each alarm. 10m of alarm-cable shall be provided and the same shall be extended to our "alarm extension terminal block" within the shelter 12. Required electrical cabling including cabling from the nearest available electrical socket, MCB installation, piping supply & fixing of drainpipe etc. as per requirement. If manufacturer is not providing any free material along with machine, then agency will have to supply the same to successfully comply to the scope of work of this RFP. Electrical cable must be joint free and continuous.)
10	Controller requirement	<ol style="list-style-type: none"> 1. Microprocessor type with ability of measuring ambient and shelter temperature and humidity and display through LED and alarm output. 2. Facility to operate the A/Cs in either Auto or manual mode shall be provided. Changeover from auto to manual mode & vice-versa shall be simultaneous for both A/Cs. 3. Temperature to be maintained inside the shelter/room shall be settable from 22°C to 30°C. 4. In any mode (auto or manual), temperature in the shelter/room shall not vary more than +/-2°C from the set value. 5. Only one A/C shall operate at any point of time; And the cycling of A/Cs shall happen every 6hrs. 6. I/P power available will be 1ϕ, 230V +/-10% AC, 47.5-51.5Hz.

Warranty of Air conditioner:

1. Bidder shall have to provide 5 years + 2years extended onsite warranty of compressor unit and 1-year onsite replacement warranty of whole unit and controller against manufacturing defect. Warranty will start after successful installation & commissioning of unit at site.
2. User Manuals: Simple user-friendly operating guidance should be provided

13. Specification of Split AC Unit -For Indoor exchange Location

Sr. No.	Particular	Specification for 2 Ton
1	Cooling capacity	2 Ton
2	Dehumidification	Yes
3	Remote control	Yes
4	Timer facility	Yes
5	Display panel	Yes
6	Condenser coil of main unit & outdoor unit	Copper

1. CUSTOMER may ask bidder to install AC unit in pair with controller or may ask for single unit installation as per site requirement on 15% of the sites of total scope mentioned in this RFP where in indoor space will be allotted in building premises.
2. BEE Star rating (should be 4 star and above)
3. The successful bidder should emboss stickers of CUSTOMER /purchase order number on the material supplied & installed.
4. Product catalogue for the model quoted is to be attached with the sealed quotation.
5. CUSTOMER may ask bidder to install AC unit in pair with controller or may ask for single unit installation as per site requirement along with required electrical cabling till existing controller unit.
6. Controlling module with display and auto switch over facility should be installed by Bidder on location provided by CUSTOMER. Controller will display the room temperature and will allow to adjust the cut of time between Air conditioner units. Initial setting will be done for AC switchover once every six(6) hours.
7. Installation and commissioning of AC units (including drilling, outdoor stand installation for outdoor unit, installation of indoor & outdoor units along with controller, white cementing, required electrical cabling including cabling from the nearest available electrical socket, MCB installation (of 25 Amp), copper piping supply & fixing of drain pipe etc. as per requirement. If manufacturer is not providing any free material along with machine, then agency will have to supply the same to successfully comply to the scope of work of this RFP. Electrical cable must be joint free and continuous.)
8. The Bidder should have required tools for AC installation and shall be responsible for making power socket arrangements, MCB installation etc. Electrical cable must be joint free and continuous.
9. The Bidder shall have to resurface and restore the civil works in case of any damage done during the execution of work at exchange.

14. Functional requirement of Solar Panel & associated power systems

- a) CUSTOMER intends to install solar panel of 6 KW capacity at some of the sites which are highly critical from the overall Network design perspective. In case of raw ac power (power line from Discom) failure, 600 AH battery will provide power back-up to electronic equipment for 16 – 18 Hrs. In case of raw power not getting restored within this time frame, then, solar panel set up subject to availability of sun light will have to provide power through inverter to power plant / SMPS in turn to charge battery and simultaneously run electronic equipment, fan and tub lights.
- b) For ex.: if raw power supply fails in evening around 6 pm, then 600 AH battery will keep electronic equipment running till next day morning along with supplying ac power to fan & tub lights through necessary arrangement of inverter & other required components. Next day morning when sufficient sun light is available around 10 am, then solar panel set up through inverter will have to provide power to power plant / SMPS to charge battery, simultaneously supply power to electronic equipment and to fan & tub lights.

Request for Proposal (RFP) for selection of Agencies for Supply, Installation, Commissioning & Maintenance of Telecom Shelter across the state of Western State for BharatNet Phase II project on behalf of CUSTOMER, DST, Govt. of Western State

- c) If raw power supply fails during daytime around 11 am, then solar panel set up through inverter will have to provide power to power plant / SMPS in turn to supply power to electronic equipment and to fan & tub lights keeping 600 AH battery intact. At 6 pm when power output of solar panel will not be available due to lack of sun light, 600 AH battery will have to take power load of electronic equipment, fan & tub lights.
- d) It is not expected to run Air Conditioner (AC) on either battery or solar power. PAC will only run when raw ac power is available. System integrator (SI) is responsible to design suitable power system & connections between various electrical / electronic components (for ex.: 600 AH battery set, solar panels, inverter/hybrid inverter, change over switch, ac/dc MCBs/ELCBs, power meter etc. as per the technical requirement of the design of the power solution to fulfill the functional requirement).
- e) It is also to be noted that CUSTOMER's purpose is not to give extra power generated from the solar panel back to power grid & generate revenue / reduce Discom power bill. CUSTOMER's sole purpose is to keep highly critical Network site running in case of raw ac power failure for very long time (for ex. more than 24 Hrs./few days due to major failure in Discom power Network).

15. Operations and Maintenance (O&M) Phase:

- a) Comprehensive operations and maintenance of all installed shelters along with solar panel set up with its accessories from the date of issuance of final acceptance letter / IC memo by CUSTOMER (for each site) till completion of contract period (contract period will end at completion of 7 years from the date of issue of Work Order).
- b) Operations and Maintenance phase of each Telecom infrastructure site shall start from the date of issuance of final acceptance letter /IC memo by CUSTOMER.
- c) The bidder shall also be responsible for maintenance of the deployed entire infrastructure site including all the items / components supplied & installed until the start of O&M phase.
- d) CUSTOMER may award O&M work of shelters installed by other vendors (either through this RFP or other RFP) at the same terms & conditions of this RFP and same rate discovered in the bid through this RFP.
- e) Selected bidder will have to act promptly (within 60 minutes) on receipt of instructions (by call or by SMS) from concerned officer regarding manual assistance required for rectification of alarms/faults in site.
- f) If any fraudulent activity by the personnel deployed for maintenance activities will be detected by CUSTOMER authorized personnel/officer, then the bidder is liable to pay penalty i.e. the cost of consequential damages to installation(s) would be deducted at actual, from the bidder's bill.
- g) Selected bidder will be a guardian of the telecom infrastructure site.
- h) Selected bidder will have to collect the Electricity bills from site and handing over the same to the site in charge of CUSTOMER in time.
- i) Bidder should have to do the proactive first line maintenance as per the schedule and replace the faulty battery, Power plant, AC & any other electronic device installed in the shelter.
- j) Selected bidder will have to carry out any other miscellaneous work related to the Telecom infrastructure site maintenance, assigned by the concerned CUSTOMER Officer
- k) Adherence to guidelines and procedures laid down by CUSTOMER for maintenance.
- l) Selected Bidder will also have to maintain the fire extinguisher in working condition during the entire contract period.
- m) Selected Bidder will have to do the shifting of shelter Infrastructure site (including all the items supplied & installed under the SoW of this RFP) from one location to other within same taluka if need arises in future for same & instructed by CUSTOMER. Shifting scope may vary up to 10% of total scope awarded.

Request for Proposal (RFP) for selection of Agencies for Supply, Installation, Commissioning & Maintenance of Telecom Shelter across the state of Western State for BharatNet Phase II project on behalf of CUSTOMER, DST, Govt. of Western State

n) CUSTOMER, at its discretion, may extend the O&M phase for one (1) more year, after completion of Seven (7) years, at the same rate as quoted in the bid.

o) Upkeep of Power plant equipment:

The contractor will do proper upkeep at least once in a month at each station which will consist (but not limited to) of the following:

1. Testing of Auto changeover of SMRs (Switch Mode Rectifier).
2. Checking of current setting as per load.
3. Checking of input & output voltages and recording the same as per format given in the maintenance manual/ format provided by CUSTOMER
4. Checking of extension and reporting of alarms to NMS, whenever & wherever provided by the tenderer.
5. Checking of proper connection of input and load cables and on cables from where distribution provided.
6. Any other assignment as felt necessary during the O&M phase.

p) Upkeep of Battery Set:

1. Checking and recording of individual cell voltages as per format given in the maintenance manual/ format provided by CUSTOMER
2. Cells whose voltages/conductance is found to be below prescribed value should be noted and replaced as per CUSTOMER's Engineer advise.
3. Checking of battery voltages at equipment end.
4. Checking of proper connection of load cables including tightening of bolts.
5. Cleanliness of battery cells and bank.
6. Checking of sulfation /physical damage
7. Any other assignment as felt necessary during the O&M phase.

q) Upkeep of Air Conditioners:

1. Function checking, necessary adjustments, filter checking/cleaning, servicing etc. of AC and change over unit at least once in three months' time (if required more frequently)
2. In case of malfunction of AC machine, change over unit, corrective measures have to take to attend/rectify the failures.
3. Any Air Conditioner machine or its spare parts taken for repairing/ replacement should be returned reinstalled by the AC mechanic.
4. Certified Engg. from OEM should attend it as warranty may become void if any other technician repairs it.
5. The full functioning of change over unit, wherever provided, should be checked once in a quarter. Bidder has to ensure temperature inside Telecom shelter from 22°C to 30°C
6. A history register is to be maintained to keep record of repair/repairable spares, schedule breakdown details etc.

r) **Upkeep of Shelters:** The contractor will do the proper upkeep of shelter once in three months which will consists (but not limited to) of the following:

1. Checking of leakage of water and repairing of the same.

2. Tightening the nut & bolt of the shelters , if required.
3. Minor repair of shelter & solar panel set up with its accessories if any.
4. Checking of condition of doors & locking arrangements
5. General cleanliness of shelter & solar panel set up with its accessories.
6. Any other assignment as felt necessary during the O&M phase.

s) **Upkeep of Earthing:** The contractor will do the following activities as per schedule given below:

1. Watering of the earth pits on every visit (at least once in a month).
2. Checking of the physical connections at equipment ends.
3. Tightening of nut/bolts once in a quarter.
4. Measurement of earth resistance once in six months under supervision of CUSTOMER Engineer. At least one measurement shall be done during peak summer & measure the desired value as mentioned in the RFP.

16. Terms & Conditions:

1. Selected agency shall apply for Electricity meter in name of CUSTOMER to the concerned electricity provider and shall take follow up until the connection is provided. Delay on account of electricity connection time will be exempted from delay penalty.
2. CUSTOMER will pay electricity bill as per actuals post installation.
3. Selected agency shall have to do the location marking jointly with CUSTOMER at Govt. Premises before starting the work.
4. Selected agency will have to showcase first porta cabin infrastructure at proposed location as prototype and get CUSTOMER team's approval before proceeding for other locations.
5. Selected Agency will have to do the necessary changes as suggested by CUSTOMER team in the prototype site and then only proceed for further locations.
6. Selected agency shall make arrangements to install the meter nearby the porta cabin with necessary accessories in weather proofing Box.
7. QA/QC certificate from the respective OEM for the Battery, Powerplant, AC has to be provided by bidder for the deployed product at site. This is sufficient as far as AT is concern.
8. Bidder is required to quote one make & model for each line item.
9. OEM shall ensure that all equipment/components/sub- components being supplied by them shall be supported for entire contract period. If the same is de-supported by the OEM for any reason whatsoever, The bidder shall replace it with an equivalent or better substitute that is acceptable to Tenderer without any additional cost to the Tenderer and without impacting the performance of the solution in any manner whatsoever.
10. Post award of work order, for any reason, if OEM fails to supply or doesn't support, then permission will be given to replace it with an equivalent or better substitute, which conforms to the specifications as in current RFP - subject to such product being acceptable to the Tenderer without any additional cost to the Tenderer and without impacting the performance of the solution and time line of the Project in any manner whatsoever subject to levy of a penalty of 1% of the of the Capex cost of

pending work (subject to discretion of MD, CUSTOMER).

11. Bidder have to take care of all safety precaution (barricading while constructing foundation, infra.) installation and commissioning at each infrastructure site.
12. All safety equipment required for installation and commissioning shall be provided by the bidder.
13. Selected agency shall supply and install ISI mark electrical cables(Preferable make: Finolex, Polycab, RR Kabel, Havells) as per load required for interconnection between different electrical components (including but not limited to) i.e. SMPS, Meter box, battery bank, AC and till power panel of all racks to enable PIA teams to install the proposed electronics devices.
14. Electronic Equipments installed by CUSTOMER will run on -48 VDC.
15. Bidder will have to use ISO standard compliant Electrical cables.
16. Samples of all prefabricated panels and other fitments will be provided and approved before commencement of the work
17. Selected agency will also have to construct minimum 2 earthing pits each for earthing of electrical & electronic equipment's per site near to shelter connected in grid with plate earthing. Dimension of earthing plate should be minimum 600 mm * 600 mm * 5 mm. Both earthing pits will be connected in grid. There will be 2 such separate grids (total 4 earthing pits) for electrical & electronic equipment's.
18. Selected agency will have to make separate earthing arrangement for Solar panels & lightning arrester installed along with solar panel in addition to requirement mentioned in above point – 17.
19. All Earthing system elements (Like earthing plate, earthing strip etc.) should be of copper for electronic earthing. & same should be of GI for electrical earthing. Two Earthing pits for Electronics with copper plate & Two earthing pits for Electrical Earthing with GI plate needs to be constructed.
20. Earthing value should be ≤ 0.5 Ohm for electronics equipments & ≤ 5 Ohm for electrical equipments
21. CUSTOMER will only have the rights to install any additional rack (as per space feasibility), any additional equipment inside existing rack, laying & installation of any additional optical fibre cable through its vendors/contractors. CUSTOMER will also have rights to allow any 3rd party organization to install its rack, its equipment inside CUSTOMER's rack and laying & installation of optical fibre cable within shelter / porta cabin. Non-discriminatory access including leasing of dark fibres shall be provided to Service Providers.
22. The rates quoted by the bidder shall include transportation, loading/unloading and labour charges for all scope of work mentioned in this RFP. No additional payment other than what has been quoted for in the tender shall be payable to the selected bidder under any circumstances.
23. Bidder shall have to print the name of the tenderer and /or logo on each Porta cabin/Shelter at each infrastructure site.
24. Time for completion of the work for one site shall be 90 calendar days from the date of intimation to the selected agency/bidder. An intimation to start work (from CUSTOMER to selected bidder) will contain a list of site(s) for which selected bidder will have to start implementation work in parallel. Delay penalty will be applicable for all those sites where work will not be completed within 90 calendar days.
25. Bidder shall have to provide onsite support within 24 hours of intimation given by CUSTOMER on call/e- mail for any issues

26. Date of completion shall be the date on which completion certificate is issued to the agency by CUSTOMER which shall only be done after rectification of defects, if any pointed out by the CUSTOMER representative to the selected bidder / his contractor / his representative.
27. Post award of Work order for respective infrastructure site, CUSTOMER will do acceptance post completion of work by successful bidder at site. Post AT clearance acceptance Memo will be issued by CUSTOMER. Post that it will be handed over to CUSTOMER. CUSTOMER will align for acceptance within 72 hours post offer of AT for infrastructure site by selected Bidder
28. Machinery, equipment, implements, material and consumables proposed to be used to fulfill the scope of work of this RFP should be clearly indicated and will be selected bidder's responsibility.
29. All accessories required for porta cabin as per scope of work of this RFP needs to be supplied.
30. 1 manual each of all electrical equipment's will be provided per site mentioning process for installation and commissioning of equipment including configuration, operational procedure for preventive & reactive maintenance and do's & don'ts.
31. As per labour law of Government of India, labour license and other liabilities are sole responsibility of the bidder and CUSTOMER will not be responsible for any labour law liabilities
32. In case of physical damage done to shelter/Porta cabin or any other infrastructure components post installation and commissioning at any infrastructure location; Bidder shall have to support for restoration. CUSTOMER will pay for same as per actuals.
33. Bidder should meet the following Support requirement :
34. Telephonic Support : 24*7
Response Time for incident : Onsite Resolution within 24 Hours
35. Rate quoted for Annexure- VII, Table – 1.1 (Charges for Implementation Phase) in Financial bid will be valid for 2 years.

17. Bill of Quantities (BoQ): (To be Signed and submitted by the agency on their letter head)

Sr. No.	Item Description	UOM	QTY	Make & Model Number
1.	Supply, installation, testing & commissioning of Porta cabin with all accessories Type 1 : Length –3 Meter, Width – 3 Meter, Height – 2.7 Meter	Nos.	300	
2.	Supply, installation, testing & commissioning of Switch Mode Power Supply (SMPS) without rectifier modules with 5 years + 2yrs extended onsite replacement warranty	Nos.	300	
3.	Rectifier modules of 50 Amp capacity with 5 years + 2years extended onsite replacement Warranty	Nos	900	
4.	Supply, installation, testing & commissioning of 1 set of Battery bank (Capacity: 600 AH for VRLA/ equivalent to 600AH in case of lithium ion batteries) with 5 years + 2years extended onsite replacement warranty	Nos.	300	
5.	Supply, installation, testing & commissioning 2TR twin Circuit without FCU, Commercial Grade ACs with 5 years + 2years extended Onsite replacement warranty for Compressor and One Year onsite replacement warranty for entire Unit	Nos.	300	

6.	Comprehensive maintenance of entire Porta cabin-Infrastructure site for contract period	Nos.	300	
7.	Supply, installation, testing & commissioning of Split AC Unit, 2 ton	Nos.	90	
8.	Supply, installation, testing & commissioning of Split AC controller Module .	Nos.	45	
9.	Services - Civil Work, Earthing Pits with all required material, consumable, accessories, etc., to successfully commission the site.	Nos.	300	
10.	Services - Electrical work with all required material, consumable, accessories, cables etc., to successfully commission the site.	Nos.	300	
11.	Supply, installation, testing & commissioning of Solar panel set up of 6 KW capacity with required components (like inverter / hybrid inverter, power meter, change over switch, ac/dc MCBs/ELCBs etc. as per solution proposed) with minimum 20 years warranty for solar panels & 7 years warranty for inverter	Nos.	90	

Note: This is indicative BoQ. The quantity mentioned above for all line items is notional for evaluation purpose only. However, actual order quantity may vary during the contract tenure depending upon the actual requirement of CUSTOMER

Financial Bid Format

Bidder should quote firm rates for the entire Scope of Work, Function and Technical Requirements mentioned in the Tender Document including cost of all accessories, active-passive cabling, installation, commissioning, warranty, support & Maintenance.

Table – 1.1 Charges for Implementation Phase

S/N	Description	UOM	Qty	MARGIN TO ITI IN PERCENTAGE ON CUSTOMER'S OFFERED RATES
A	B	C	D	
1) Infrastructure Site				
1.1	Supply, installation, testing & commissioning of Porta cabin with all accessories-Length –3 Meter, Width – 3 Meter, Height – 2.7 Meter	Nos.	300	
1.2	Supply, installation, testing & commissioning of Switch Mode Power Supply (SMPS) without rectifier modules with 5 years + 2years of extended onsite replacement warranty	Nos.	300	
1.3	Rectifier modules of 50 Amp capacity with 5 years + 2years of extended onsite replacement warranty.	Nos.	900	
1.4	Supply, installation, testing & commissioning of 1 set of Battery bank (Capacity: 600 AH for VRLA/ equivalent to 600AH in case of lithium ion batteries) with 5 years + 2years extended onsite replacement warranty	Nos.	300	
1.5	Supply, installation, testing & commissioning 2TR twin Circuit without FCU, Commercial Grade ACs with 5 years + 2years of extended Onsite replacement warranty for Compressor and One Year onsite replacement warranty for entire Unit	Nos.	300	
1.6	Supply, installation, testing & commissioning of Split AC Unit, 2 ton - BEE Star rating (should be 4 star and above)	Nos.	90	
1.7	Supply, installation, testing & commissioning of Split AC controller Module	Nos.	45	
1.8	Services - Civil Work, Earthing Pits with all required material, consumable, accessories, etc., to successfully commission the site.	Nos.	300	
1.9	Services - Electrical work with all required material, consumable, accessories, cables etc., to successfully commission the site.	Nos.	300	
1.10	Supply, installation, testing & commissioning of Solar panel set up of 6 KW capacity with required components (like inverter / hybrid inverter, power meter, change over switch, ac/dc MCBs/ELCBs etc. as per solution proposed) with minimum 20 years warranty for solar panels & 7 years warranty for inverter.	Nos.	90	

Table – 1.2 Charges for O&M Phase

S/N	Description	UOM	Qty	MARGIN TO ITI IN PERCENTAGE ON CUSTOMER'S OFFERED RATES
A	B	C	D	
1	Comprehensive Charges for O&M of 1 Nos. of Infrastructure site for 7 Years.	Nos.	300	
2	Shifting of shelter Infrastructure Site(including all the items supplied & installed under SOW of this EOI) from one location to another within same taluka	Nos.	30	

Authorized Signatory

Seal of the Company

Name & Designation Date