



TENDER DOCUMENT

FOR

**SELECTION OF AN AGENCY/FIRM/VENDOR FOR PROVIDING WIRELESS
INTERNET CONNECTIVITY AT DISTRICT HEAD QUARTERS IN MANIPUR**

**DEPARTMENT OF INFORMATION TECHNOLOGY
GOVERNMENT OF MANIPUR
4TH FLOOR, WEST BLOCK
NEW SECRETARIAT, IMPHAL, MANIPUR**

1. INTRODUCTION

Under National e-Governance Plan Scheme of Government of India, State Wide Area Network has been established in Manipur connecting State Headquarter to the District Head Quarters indicated at Annexure - I with bandwidth capacity of 2 MBPS per link and is provided through BSNL leased line. However, 2 MBPS bandwidth per link is not sufficient enough to carry out Data, Voice and Video transmission and dissemination.

To ensure stable & reliable connectivity at the District Head Quarters indicated at Annexure - I, DIT Manipur proposes to support existing SWAN network by providing a bandwidth capacity of 40 to 50 MBPS at cheaper cost using any latest network technology available so as to enable better communication and information sharing to allow the officers to work more effectively, resulting in cohesive administration.

2. SCOPE OF THE WORK

State Governments intends to engage agency/firm/vendor for providing Wireless Internet connectivity to the District Head Quarters indicated at Annexure - I in the State. The successful bidders are expected to carry out the following activities. The Successful bidder:

- i. Will set up a wireless network on 5.8 GHZ frequency connecting District Head Quarters indicated at Annexure - I to State Head Quarter. List of locations is at Annexure-I.
- ii. Will ensure 95% uptime of the Network.
- iii. Will ensure Uninterrupted Power Supply (UPS) at all locations and repeater towers by using necessary alternative technology like Solar Power, Wind Energy based power and AC wherever available.
- iv. Will deploy at least 2 nos. of manpower at the District Head Quarters indicated at Annexure - I in this project.
- v. Will carry out site survey, design, supply, install, commission, integrate & other IT necessary Infrastructure as per requirement & at the locations detailed at Annexure-I.
- vi. Will deploy towers as necessary.
- vii. Will ensure acceptance testing of the Active and Passive equipments at User sites/locations specified.
- viii. Will provide onsite Comprehensive AMC Service for a period of 3 (three) years. Will replace all defaulting equipments which may break down on account of any reason including man-made or natural.

- ix. Will deliver and implement the technologies in conjunction with best practice guidelines & industry standards.
- x. Will be liable for any software/firmware up-gradation, without any extra cost, both during warranty and maintenance.
- xi. Will, on completion of the work, submit the detailed diagram/drawings & documentation of the project to DIT Manipur including manuals and operational procedure of all equipments.

3. ELIGIBILITY CRITERIA

- i. Past experience in installation of wireless network in Manipur connecting multiple connections with a minimum aerial distance of 50 KM. The bidder should have implemented at least 1(one) such project for the Government, preferably in Manipur.
- ii. The Bidder should be a profit making firm for the last three financial years with an annual turnover of at least Rs. 3 crores in any of the last 3 years; a turnover of at least Rs. 50 lakhs in all three years; a networth of at least Rs. 1 crore in at least one of the last 3 years; and a minimum of positive networth in all three years. The firm must have positive operating cash flow in at least one of the last 3 years. Audited balance sheet, Profit & Loss accounts and cash flow statement for the last 3 years to be furnished by the bidder. A copy of VAT/ST/CST/GST No. allotted by the Sales Tax Authorities, as well as PAN number of the firm allotted by the Income Tax authorities should be submitted.
- iii. The bidder should not have been blacklisted by any Central/State Govt. Depts./Public Sector Units / Financial Institutions in India.
- iv. All wireless equipment specifications are subject to Indian Government guidelines and any frequency/transmission power/Antenna Gain shall be in conformity with the Government rules & guidelines.
- v. All the equipment and devices should be properly configured. There should not be any vulnerability deliberately left in the equipment.
- vi. There should be no compatibility issue among the supplied products, software & components. All offered products, software & components should be as per IEEE standard.
- vii. The bidder should have set up a base in Manipur and support centres manned with qualified engineers at the Districts.
- viii. The Bidder should have been in the business of Networks infrastructure implementation and integration related activities for at least past 3 (three) years. The Bidder shall submit the declaration duly signed and stamped by Bidder's authorized signatory regarding these along with the documentary proofs in the bid.

- ix. The bidder should have at least 5 (five) nos. of Engineers with B.E. in Electronics & Communication Engineering degree. Proof of engagement such as salary slips, offer letter, etc. are to be submitted.

4. EVALUATION OF BIDS

Bids will be evaluated on the Basis of **Quality and Cost Based Selection (QCBS)** in the ratio of **70:30** for Technical and Financial Bids respectively. Evaluation of bids will be done as per procedure detailed at Annexure – II.

5. TERMS & CONDITIONS

- i. Each bid must be accompanied by Earnest Money Deposit (EMD) of Rs. 2,00,000/- (Rupees two lakhs only) in the form of Demand Draft/Bankers Cheque/Bank Guarantee of any Nationalized/Scheduled commercial Bank taken in the name of Additional Director, Directorate of Information Technology & Communication payable at Imphal. Bids received without Earnest Money Deposit are liable to be rejected.
- ii. Also, Tender fee of Rs. 20,000/- (Rupees twenty thousand only) in the form of Demand Draft/Bankers Cheque of any Nationalized/Scheduled commercial Bank taken in the name of Additional Director, Directorate of IT & Communication payable at Imphal only must be accompanied with the bid.
- iii. DIT-Manipur may, at its discretion, extend the last date for submission of tenders, in which case, all rights and obligations of the DIT-Manipur and the vendors will remain unaltered till the extended last date.
- iv. The comprehensive warranty shall be for a minimum period of three years from the date of acceptance of the equipment by DIT Manipur. The bidders are also required to quote for annual Comprehensive AMC beyond warranty period in case the Government of Manipur decides to extend the warranty beyond 3 years. The rate will be valid for a period of 1 (one) year. The Comprehensive AMC includes onsite warranty with parts and software updates/upgrades/renewals.
- v. Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts free software upgrades/updates/renewals. The defects, if any shall be attended within 3 working hours for valley districts and 6 working hours for Hill districts. In case of any default, penalty will be deducted from the maintenance cost @ Rs. 1000 per day of disconnection.
- vi. For those items which are not included in the financial Quotation or BOM but required for successful implementation and commissioning of the network as well as its management, the bidder may include the same under additional items with unit rate mentioned.

- vii. Payment for equipments will be made after successful installation of the same and for AMC payment will be done on half yearly basis post maintenance subject to their satisfactory performance.
- viii. Any legal dispute arising out of this order shall be settled in Imphal only.
- ix. After the issue of the work order, formal contract agreement will be signed between the successful bidder and the Department.
- x. The successful bidder will provide qualified manpower to be attached to DIT Manipur for maintenance and upkeep of the network at State Head Quarter.
- xi. The successful bidder will deploy 2 manpower at each District Head Quarters indicated at Annexure - I for operation and maintenance of the Network at Districts and shall report & attach to the concerned Informatics Officers at Districts.
- xii. The successful bidder will also provide NMS service at the DIT office for monitoring of the entire network and should be able to generate various reports at the request of the State Government.
- xiii. After commissioning & acceptance, during warranty & AMC, the successful bidder shall be responsible for the uptime of the equipment and shall maintain the setup for 95% uptime. The permissible downtime will further be subject to maximum downtime of 24 hours at a stretch at any instance. In case the same exceeds 24 hours at a stretch then penalty will be enforced.
- xiv. The conditions stipulated in the Contract shall be strictly adhered to and violation of any of these conditions shall entail immediate termination of the Contract without prejudice to the rights of DIT.

6. FORCE MAJEURE

- a) If at any time during continuance of this contract, the performance in whole or in part in any obligation under this contract shall be prevented or delayed by reasons of any war, hostility, acts of public enemy, acts of civil commotion, natural calamity (hereinafter referred to as eventualities) then, the notice of the happening of any such eventuality shall be given by the Bidder to the DIT within 2 (two) days from the date of occurrence. Neither party shall by reasons of such eventuality, be entitled to terminate this contract, nor shall have any claim for damages, compensations against the other in respect of such non-performance or delay in performance, and deliveries under this contract. Normal working shall be resumed as soon as such eventuality has come to an end or ceased to exist.
- b) Provided that if the performance in whole or in part by the bidder or any obligation under this contract is prevented or delayed by reasons of and such eventuality for a period exceeding 30 (thirty) days, then the DIT may terminate this contract by giving notice in writing. In such a situation, DIT may recover such compensation amount from the firm/successful bidder as may be required for maintaining the system for the rest of the 3 years warranty period.

7. ARBITRATION

All disputes of differences, including the claims for damages and compensation whatsoever, arising between the parties, out of or relating to the construction, meaning, operation or effect of this agreement or the breach thereof shall be settled amicably. However, if the parties are not able to resolve them amicably within a period of 15 (fifteen) days, the same shall be resolved by arbitration in accordance with the Arbitration and Conciliation Act, 1996. The dispute may be referred to arbitration which in this case shall be the authorized person from the purchaser. The Arbitration and Conciliation Act 1996 or any statutory modification thereof shall apply to the arbitration proceedings and the venue for the arbitration proceedings shall be jurisdiction of the head quarters of the purchaser.

9. INDEMNITY

The selected bidder shall indemnify DIT Manipur against all third party claims of infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied items and related services or any part thereof. DIT Manipur stand indemnified from any claims that the bidder's manpower may opt to have towards the discharge of their duties in the fulfilment of the work orders. The department also stand indemnified from any compensation arising out of accidental loss of life or injury sustained by the bidder's manpower while discharging their duty towards fulfilment of the work orders. The bidder shall solely responsible for any damage, loss or injury which may occur to any property or to any person by or arising out the execution of the works or temporary works otherwise than due to the matters referred to in this agreement hereinbefore. The bidder would ensure for observance of all labour and other laws applicable in the matter and shall indemnify and keep indemnified the department against the effect of non observance of any such laws.

Letter of Proposal

To:

<Location, Date>

<Name>
<Designation>
<Address>
<email id>

Subject: Submission of the bids for <Name of the Firm>

Dear Sir/Madam,

We, the undersigned, offer to provide <Name of the works> to the Directorate of Information Technology & Communication, Government of Manipur on <Name of the Firm> with your Tender Document dated <insert date>.

We hereby declare that all the information and statements made in this bid are true and accept that any misinterpretation contained in it may lead to our disqualification.

We agree to abide by all the terms and conditions of the Tender document.

We hereby declare that we are not insolvent, in receivership, bankrupt or being wound up, our affairs are not being administered by a court or a judicial officer, our business activities have not been suspended and we are not the subject of legal proceedings for any of the foregoing.

We understand you are not bound to accept any Proposal you receive.

Yours sincerely,

Authorized Signature [In full and initials]:

Name and Title of Signatory:

Name of Firm:

Address:

Location:

Date:

FORMAT FOR SUBMISSION OF FINANCIAL BID

Name of tendering Company/Firm/Agency:.....

Sl. No.	Particulars/Items	Qty.	Rate	Amount
1.	Wireless RF unit with frequency of 5.8 GHz Carrier Backhaul Radio with maximum throughput of 500+ MBPS and range of 100+ KM along with antenna 30 to 34 db, size: 4 to 6 ft P2P.			
2.	Installation charges for Wireless RF Unit			
3.	Ground Based Tower of 30, 40 & 50m height (Including Foundation, Earthing System & Aviation Warning Lamp)			
4.	Installation charges for Ground Based towers			
5.	Manpower for maintenance of the radio link. (the rate to be filled in is for 1 manpower for 3 years)	18		
6.	PoE+ Gigabit Switches, Non-Blocking throughput Switching Performance, Gigabit Ethernet RJ45 and SFP+/SFP Ports Auto-Sensing IEEE 802.3af/at PoE Non-Blocking Throughput: min. 8 Gbps, Switching Capacity: min. 24 Gbps.			
7.	Outdoor Management Unit inclusive of cooling systems, racks, internal space: 19 U			
8.	1 KW Solar Panel			
9.	Installation charges for Solar Panel			
10.	1 KW Wind Power/Energy Unit			
11.	Installation charges for Wind Power/Energy Unit			
12.	Cat 6 UTP cable			
13.	Hybrid inverter with battery 1KW capacity, 200 AH x 2 nos. (Gel)			
14.	Comprehensive AMC for all equipments for 3 years.			
15.	Comprehensive AMC for all equipments for additional year.			
16.	Additional items			

Note:

- i. Rate quoted should be inclusive of taxes and duties and all other costs.
- ii. The bidders are also required to quote for Comprehensive AMC after warranty period is over. The Comprehensive AMC includes onsite warranty with parts and software updates/upgrades/renewals.

Date:.....

Place:

Signature of the Bidder
Name:
Designation: (Seal)

ANNEXURE – I

Sl. No.	District Head Quarters
1.	Bishnupur
2.	Thoubal
3.	Churachandpur
4.	Tamenglong
5.	Chandel
6.	Senapati

ANNEXURE – II

- i. A minimum of 70 marks should be scored in the technical proposal for the bid to be declared technically qualified.
- ii. The bidder with highest technical evaluation marks will be awarded 100% score. Technical score for other bidders will be evaluated using the following formula:

$$T_n = \left\{ \frac{\text{Technical Evaluation Marks of Bidder}}{\text{Highest Technical Evaluation Marks}} \times 100 \right\} \%$$
- iii. The bidder with lowest qualifying financial bid (L1) will be awarded 100% score. Financial score for other bidders will be evaluated using the following formula:

$$F_n = \left\{ \frac{\text{Financial Bid of L1}}{\text{Financial Bid of Bidder}} \times 100 \right\} \%$$
- iv. The technical and financial scores secured by each bidder will be added using weightages of 70% and 30% respectively to compute Composite Score. The composite score will be computed as under:

$$B_n = 0.70 \times T_n + 0.30 \times F_n$$
- v. The bidder securing highest Composite Score will be adjudicated as most responsive bidder for award of works.

Following are the parameters that will be evaluated in a technical bid:

Sl. No.	Criteria	Requirements	Max Marks	Supporting Documents
A.	COMPANY PROFILE		20	
1.	Annual turnover of at least Rs.3.00 crores in any of the last 3 years	<ul style="list-style-type: none"> • >3.0 but =<3.5 Cr • >3.5 but =<4.0 Cr • >4.0 Cr 	5 7.5 10	Extracts from the Audited Balance Sheet and Profit & Loss; or Certificate from the statutory Auditor.
2.	Presence in Manipur and support centres manned with qualified engineers at the Districts.	<ul style="list-style-type: none"> ➤ Office in Manipur (State Head Quarter) <li style="text-align: center;">AND ➤ Centre at 5 District Head Quarters (Exclusive of Imphal East & West) ➤ Centre at 6 & above District Head Quarters (Exclusive of Imphal East & West) 	3 5 7	Certificate of Registration of office or its branch. Lease agreement for District Head Quarters as proof.

B.	RELEVANT PAST EXPERIENCE		40	
3.	Installation of wireless network in Manipur connecting multiple connections with a minimum of aerial distance of 50 KM (should have implemented at least 1 (one) such project for the Government, preferably Manipur.	<ul style="list-style-type: none"> ➤ 1 link ➤ More than 1 link 	15 30	Copy of the work order or agreement with client
4.	Business of Network Infrastructure implementation and integration related activities for at least past 3 years.	<ul style="list-style-type: none"> ➤ 3 yrs ➤ 4 yrs ➤ 5 yrs & above 	5 7.5 10	Copies of the work orders or relevant documents.
C.	PROFILES OF CVs		10	
5.	5 nos. of Engineer with BE in Electronics & Communication Engineer	<ul style="list-style-type: none"> ➤ 5 nos. or more ➤ OEM Certification on the wireless equipment being proposed 	5 5	CV/Salary slips/offer letter
D.	PRESENTATION		30	
6.	Relevance of the project and satisfactory answering of question before the technical committee during technical presentation.	<ul style="list-style-type: none"> ➤ Approach & Methodology. ➤ Demonstration of understanding of the department requirement. ➤ Provision for uninterrupted power supply at towers. 	10 10 10	
