

**MEGHALAYA AND ARUNACHAL PRADESH
GEO SPATIAL DATA CENTRE, SURVEY OF INDIA
MALKI, SHILLONG- 793001
MEGHALAYA**

TENDER FOR

**SUPPLY, INSTALLATION AND CONFIGURATION
OF
LOCAL AREA NETWORKING (LAN)**

[Tender No S - 1920/17-D-2 DATED 17-07-2019]

LAST DATE & TIME OF SALE OF THE TENDER DOCUMENT -	01-08-2019 (1100hrs.)
PRE BID CONFERENCE	08-08-2019 (1100hrs.)
TO BE SUBMITTED BY	22-08-2019 (Up to 1500hrs.)
TO BE OPENED ON	23-08-2019 (1100hrs.)
PRICE OF TENDER DOCUMENT	- RS. 100/-



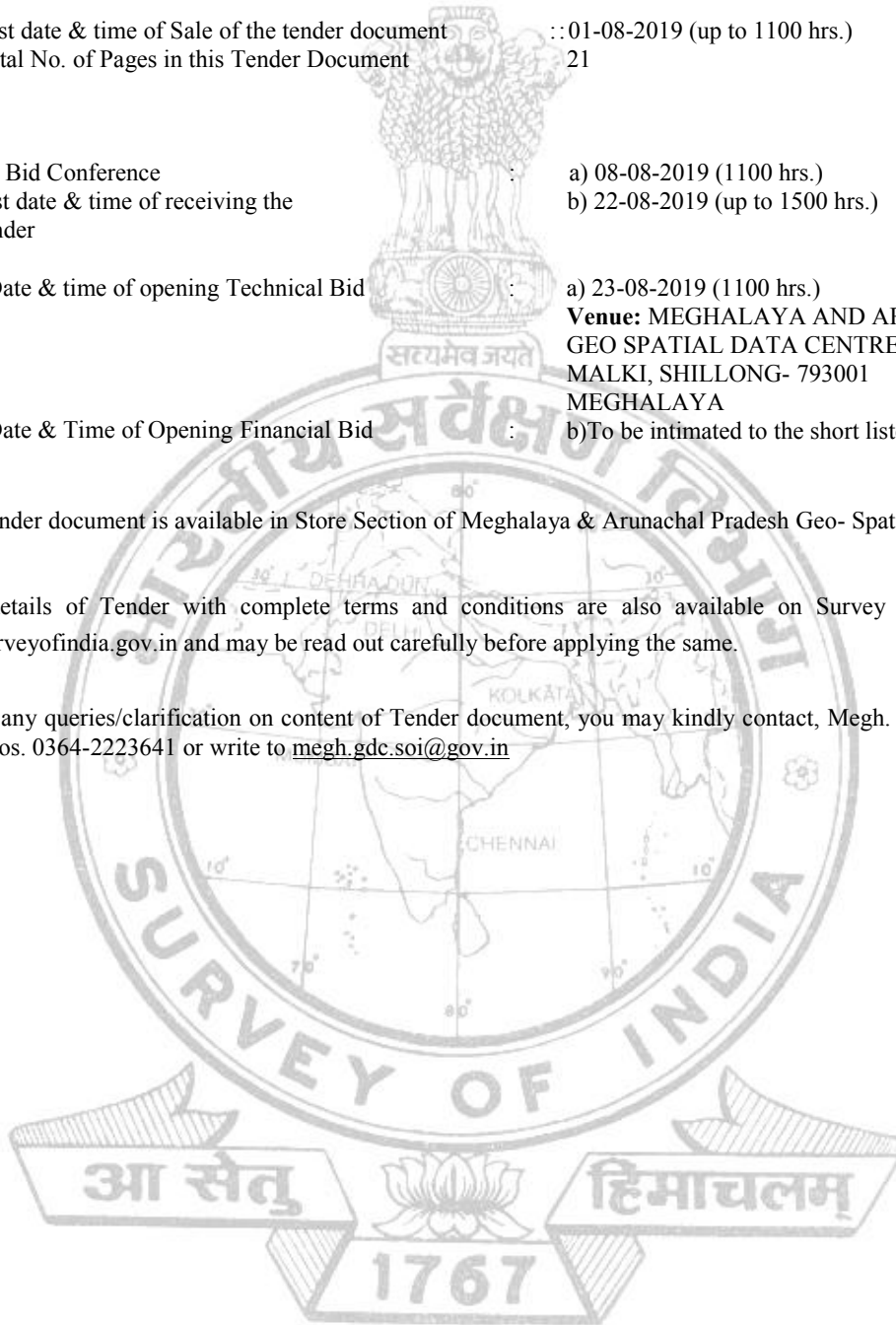
Director, Meghalaya and Arunachal Pradesh, Geo- Spatial Data Centre, SURVEY OF INDIA, Shillong, Invites bids under two bid systems (Technical bid and Financial bid) from reputed firm/agency for **Supply, Installation and Configuration of Local Area Network (LAN)**.

1. Designation and address of the Officer inviting the tender on behalf of President of India : DIRECTOR
MEGHALAYA AND ARUNACHAL PRADESH
GEO SPATIAL DATA CENTRE, SURVEY OF INDIA
MALKI, SHILLONG- 793001
MEGHALAYA
2. a). Last date & time of Sale of the tender document : 01-08-2019 (up to 1100 hrs.)
b). Total No. of Pages in this Tender Document : 21
3. a). Pre Bid Conference : a) 08-08-2019 (1100 hrs.)
b). Last date & time of receiving the Tender : b) 22-08-2019 (up to 1500 hrs.)
4. a). Date & time of opening Technical Bid : a) 23-08-2019 (1100 hrs.)
Venue: MEGHALAYA AND ARUNACHAL PRADESH
GEO SPATIAL DATA CENTRE, SURVEY OF INDIA
MALKI, SHILLONG- 793001
MEGHALAYA
b). Date & Time of Opening Financial Bid : b) To be intimated to the short listed firms later on

The tender document is available in Store Section of Meghalaya & Arunachal Pradesh Geo- Spatial Data Centre for sale.

The details of Tender with complete terms and conditions are also available on Survey of India website: www.surveyofindia.gov.in and may be read out carefully before applying the same.

For any queries/clarification on content of Tender document, you may kindly contact, Megh. & Ar. P. GDC, at phone Nos. 0364-2223641 or write to megh.gdc soi@gov.in



1.0 ELIGIBILITY CRITERIA(FOR THE AGENCY/FIRM):

- a) **The firm should be registered with an appropriate Govt. Agency and must possess valid Registration certificate.**
- b) Valid GST Registration
- c) PAN/ TAN Number
- d) The agency should have local office at Shillong/Guwahati to ensure satisfactory fulfillment of contractual obligations.
- e) The Bidder should have average annual turnover of INR 5,00,000/- during F.Y. 2015-16, 2016-17 and 2017-18 as per the annual report (audited balance sheet and profit & loss account) of the relevant period, duly authenticated by a Chartered Accountant.
- f) **Tax will be deducted from the source by this office.**
- g) Capacity to have a cash flow: The bidder must provide a letter from a reputed Nationalized / Scheduled Bank stating the availability of liquid assets and/or credit facilities net of other contractual commitments exclusively for the contract only, of not less than INR 5,00,000/-.
- h) The bidder must have at least three years experience (ending month of March prior to the bid opening) of providing similar type of services to Central/ State Government/ PSUs/ Nationalized Banks/ Reputed Organizations'. Services rendered with list of such Central/ State/ PSUs/ Nationalized Banks/ Reputed Organizations with duration of service shall be furnished. Xerox/Scanned copy of the services rendered to the organizations must be enclosed.
- i) Bidder having good **track record, manpower capacity and relevant experience as said above are only eligible to apply.**

2.0 TERMS AND CONDITIONS :

- 1) The tenders/Bids are to be submitted in two Parts, i.e. Part-I & Part-II.
- 2) Part-I titled as **TECHNICAL BID** shall contain the complete technical qualifications.
- 3) Part-II titled as **COMMERCIAL BID** shall contain the Price Schedule duly filled in the prescribed proforma.
- 4) The TECHNICAL BID AND COMMERCIAL BID shall be placed in separate sealed envelopes. Each of these two sealed Envelopes containing the respective Bids shall indicate on the face of it the Tender No., and the type of bid i.e. Technical or Commercial Bid as the case may be along with the Name and Address of the Bidder/Tenderer. These two sealed envelopes /covers shall be put into OUTER COVER and sealed. The OUTER COVER shall only indicate the TENDER NO. and last date & time of receiving the tenders PROMINENTLY along with the Address of Purchaser i.e. **“The Director, Meghalaya & Arunachal Pradesh GDC, Survey of India, Malki, Shillong – 793001 (Meghalaya)”**. **Commercial bid must be submitted on prescribed Performa as applicable, Tender will be rejected if deviation from Performa.**
- 5) Bid should not have any scope of ambiguity, cutting or overwriting.
- 6) Tender duly signed by the tenderer must be addressed to **“The Director, Meghalaya & Arunachal Pradesh GDC, Survey of India, Malki, Shillong – 793001 (Meghalaya)”**. **Each page of the tender must be signed by the tenderer.**
- 7) The Director, Meghalaya & Ar. P. GDC, Survey of India shall not be responsible for any delay of tender by due date and time for any reason whatsoever.
- 8) Rates quoted shall be mentioned by the agency both in figures and words. There should not be any erasing or overwriting whatsoever to avoid rejection of bid. The rates quoted (incl. all sorts of Tax levied by Government of India) shall remain valid final till completion of the contract period after the date of opening of the bids.
- 9) The rates quoted should be firm & final till completion of the contract period.
- 10) Bids with overriding conditions will be summarily rejected.
- 11) Photocopy of the Latest Income Tax clearance should be submitted along with tender if applicable.
- 12) Photocopy of GST Registration Certificate.
- 13) Earnest money of Rs. 10000/- (Rupees Ten thousand only) in the shape of DD/FDR/BC/BG of any Nationalized Bank in favour of **“Establishment & Accounts Office, Meghalaya & Arunachal Pradesh GDC, Survey of India, Malki,**

Shillong" payable at Shillong. The Demand Draft should be from a Nationalized Bank only and should not be 'Account payee'.

- 14) The EMD will be refunded to the unsuccessful bidders **within 30 days of the award of Contract for implementation of LAN connection** except of L-1 and L-2 bidders. Earnest money deposit of the successful tenderer would be refunded only after receipt of performance security.
- 15) Completeness of Bid: The bidder is expected to examine all instructions, forms, terms and conditions in the Tender Documents. Failure to furnish all information required by the tender documents may result in rejection of offer. Bid should be neatly filled in and the person signing the tender should ensure the correctness of financial bid.
- 16) Successful tenderer will have to submit the performance Guarantee/ Security deposit @ 5% of the Tender value in the shape of an A/c payee Demand Draft from a Nationalized Bank in favour of " **Establishment & Accounts Officer, Meghalaya & Arunachal Pradesh GDC, Survey of India, Malki, Shillong** " payable at Shillong.
- 17) If the successful tenderer fails to furnish the Security deposit, the whole earnest money shall be forfeited without any reference to the tenderer.
- 18) The Director, Meghalaya & Ar. P. GDC, Survey of India reserves the right to reject any or all tenders without assigning any reason.
- 19) Payment will be made to the successful tenderer by the Director, Meghalaya & Ar. P GDC, Survey of India, only after successful installation of LAN Connection i.e. Turnkey basis.
- 20) The bidder should be in Networking business for a period of Minimum 3 years (supporting documents to be uploaded).
- 21) The Bidder should have a clean Track record, i.e. The Bidder should not have been black listed by any Govt. or Quasi-Govt. / Govt. Under taking companies in India at any point of time. Declaration in this regard to be submitted in non-judicial stamp paper of Rs 10/-.
- 22) The Bidder should give an undertaking that service & spare support will be provided for at least 3 years, after the specified warranty period on separate commercial terms.
- 23) Bidder should be single party. Consortium will not be accepted.
- 24) The Bidder is required to quote for the complete BoQ. Partial quote are liable to be rejected
- 25) An agreement will have to be executed on 100/- rupees Non-Judicial Stamp Paper by successful Tenderer at his own expenses. The Agreement proforma is attached as Annexure "F".
- 26) Supply of all Passive components as per BoQ. The quality of the product should have valid ISO certificate.
- 27) Physical installation and powering of all Active and Passive components as per diagram provided by Director, Meghalaya & Arunachal Pradesh GDC, Survey of India, Malki, Shillong – 793001 (Meghalaya).
- 28) Any structure, permanent or temporary, dismantled or destroyed during the execution of the work, shall be refilled/remake or restore to its previous condition by the vendor at its own cost.
- 29) Configuration and Integration of all of Active and Passive components as per the approved implementation plan.
- 30) After installation and configuration of each and every subsystem, integrating various systems and providing various services, tests shall be conducted for system performance as a whole.
- 31) Providing original manuals of all hardware items supplied.
- 32) Test parameters, commitments etc. for acceptance testing to be enclosed along with implementation plan. The bidder will have to submit penta scan report for all network ports, wherever applicable.
- 33) Documentation will be done for the Equipment with existing rack layout plan and connectivity Diagram.
- 34) Technical write up of the network design and functioning, System and Network architecture diagram, Active and Passive components configuration details, Security implementation.

- 35) Operator manual for shutdown/start of the active resources.
- 36) Acceptance test reports, performance test reports of networking components.
- 37) In case of any dispute arising out of non-observance of any Term & Condition, as stipulated in this tender document, the Surveyor General of India will be the Arbitration Authority and his decision will be final and binding on both the parties.
- 38) The Bidder should visit the site with prior appointment and carry out necessary inspection and test/measurement as are necessary before submitting its bids. All costs associated with such site visit and in preparation and submission of the Bid will have to be borne by the bidder. Director, Meghalaya & Arunachal Pradesh GDC, Survey of India, Malki, Shillong – 793001 (Meghalaya) will in no case be responsible for such costs, regardless of the conduct or outcome of the bidding process.
- 39) Bidders are advised to visit and familiarize themselves with the site conditions and concerned areas before submission of tender documents.
- 40) **The specifications of the materials procured from this office for the aforesaid job has been attached as Annexure 'H'**
- 41) **The successful bidder should supply items as per the quantity listed in the BoQs attached as Annexure-'I'.**
- 42) The final functional model of the LAN will be a seamless integration of materials supplied by this office as in Annexure 'H' and the items supplied by the bidder. Both of these should be integrated to give optimum efficiency in the final LAN system.
- 43) Rates quoted/accepted will be valid for 12 months from the date of award of contract and agreement & during this period no demand for increase of rates will be entertained. The Agency will have to provide its Telephone numbers to be available for contact for 24 hours x 7 days.
- 44) The 100% payment will be made after successful installation and integration of the system subject to issue of 'Final Acceptance Certificate'
- 45) The Director MEGH. & AR. P. GDC may terminate the contract at any point of time with or without assigning any reason thereof by giving one month's notice. However, if services are not found satisfactory, Director MEGH. & AR. P. GDC may terminate the contract with immediate effect.
- 46) Quantities mentioned under BoQ, are approximate only. So the successful bidder should supply items listed in this section as and when required during the execution of the work. The payment will be made only for actual/supply installed/ utilized quantities & labour at the site.
- 47) The Network should be in redundant nature.
- 48) Award of Contract:-

The contract will be awarded to the bidder whose bid has been determined to be eligible and to be substantially responsive to the bid documents and who has offered the lowest evaluated bid.

- 49) The tenderer should furnish a certificate to the effect that **"All the Terms and Conditions of the tender document have been understood by him and he is ready to abide by the same without any variation"**.



Director
Meghalaya & Arunachal Pradesh GDC
Survey of India, Shillong

DOCUMENTS TO BE SUBMITTED ARE AS UNDER:**I. Technical Bid**

- a) EMD/BID SECURITY.
- b) GST registration certificate.
- c) Tender Acceptance Letter Technical Part Annexure 'B'
- d) Technical Bid Proforma Annexure 'A'
- e) Undertaking for non-blacklisting firm and non-registration of criminal case.
- f) Scanned copy of ITR for the last three financial years of the firm.
- g) PAN/TAN number
- h) Total monetary value of services performed for each of the last three years;
- i) Copies of work orders and experience in services of a similar nature and size for each of the last three years and details of services under way or contractually committed; and names and address of clients who may be contacted for further information on those contracts;
- j) Evidence of adequacy of working capital for this contract (access to line(s) of credit and availability of other financial resources);
- k) Audited financial statements for the last three years (copies of the Profit and Loss (P/L) statements along with Balance Sheet for the concerned period);
- l) Bank Account details;
- m) Authority to seek references from the bidder's bankers;
- n) Information regarding any litigation, current or during the last five years, in which the Bidder is involved, the parties concerned and disputed amount.
- o) affidavit regarding correctness of information furnished with bid document
- p) Written confirmation authorizing the signatory of the Bid to commit the Bid, such as power of attorney etc.

II. Financial Bid

- (a) Tender Acceptance Letter Financial Part Annexure 'E'
- (b) Financial Bid Annexure 'D'

All documents to be submitted at the following address on or before opening of technical bid, either by registered/speed post/courier or by hand, failing which the bids will be declared non-responsive and will not be accepted. Hard copy of rest of the bid is not to be submitted.

If Sent By hand, Hard Copy Document to be Dropped in Tender Box Placed in office of Director, Megh. & Ar. P. GDC on or before Date/Time of Opening of Bid (Technical Part). If sent by Registered Post then Outer Envelop should be Inscribed as "Confidential" and following Should be written on Upper Right corner of Envelop in clearly legible way

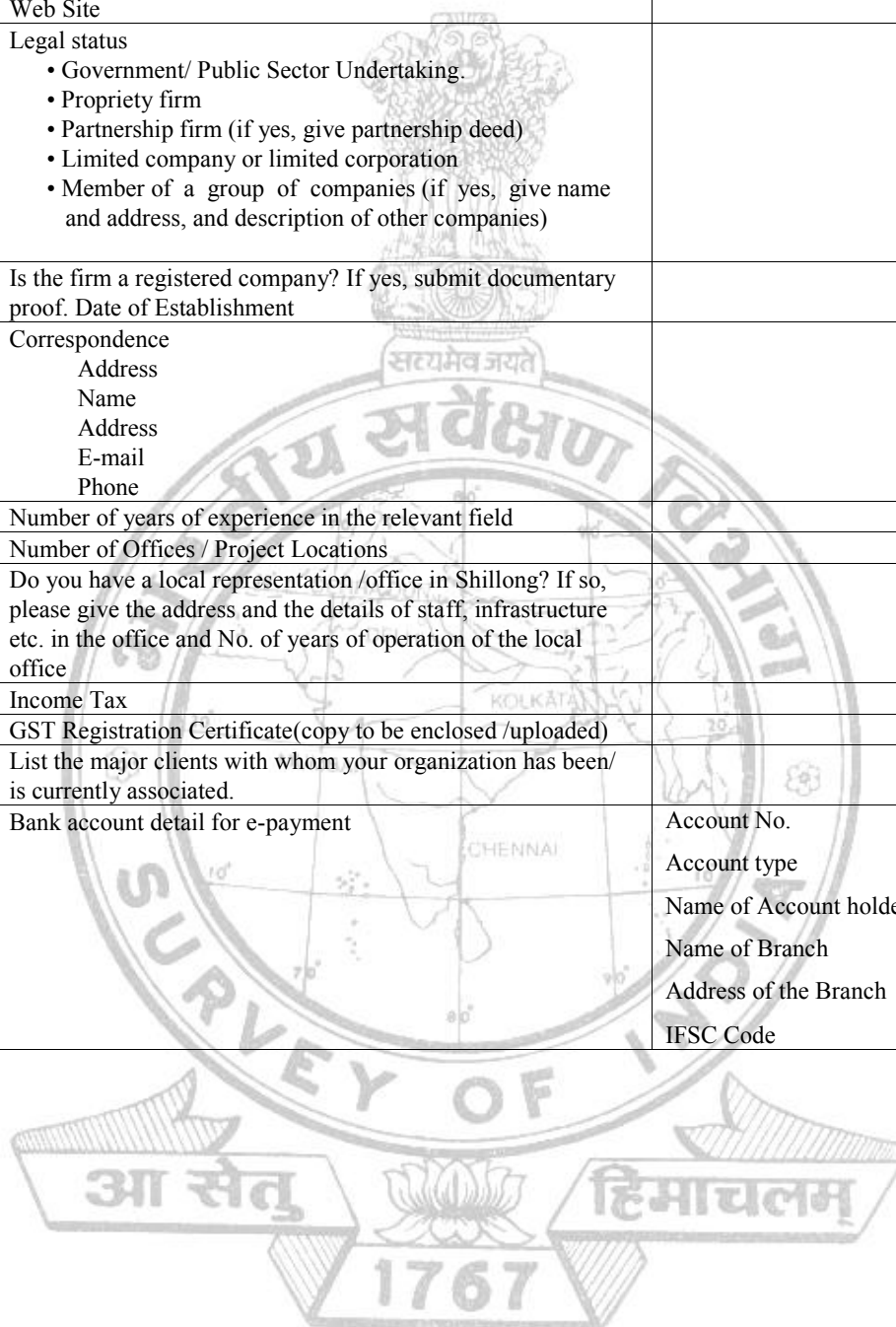
"Bid for Tender Enquiry no S-1920/17-D-2 DATED 17-07-2019"

**DIRECTOR
MEGHALAYA AND ARUNACHAL PRADESH
GEO SPATIAL DATA CENTRE, SURVEY OF INDIA
MALKI, SHILLONG- 793001
MEGHALAYA**

(Office of Director, Megh. & Ar. P. GDC will not be responsible for postal delay)

Technical Bid Proforma

1.	Name of BIDDER	
2.	Address	
3.	Telephone Number	
4.	Fax Number	
5.	Email	
6.	Web Site	
7.	Legal status <ul style="list-style-type: none"> • Government/ Public Sector Undertaking. • Propriety firm • Partnership firm (if yes, give partnership deed) • Limited company or limited corporation • Member of a group of companies (if yes, give name and address, and description of other companies) 	
8.	Is the firm a registered company? If yes, submit documentary proof. Date of Establishment	
9.	Correspondence Address Name Address E-mail Phone	
10.	Number of years of experience in the relevant field	
11.	Number of Offices / Project Locations	
12.	Do you have a local representation /office in Shillong? If so, please give the address and the details of staff, infrastructure etc. in the office and No. of years of operation of the local office	
13.	Income Tax	
14.	GST Registration Certificate(copy to be enclosed /uploaded)	
15.	List the major clients with whom your organization has been/ is currently associated.	
16.	Bank account detail for e-payment	Account No. Account type Name of Account holder Name of Branch Address of the Branch IFSC Code



Signature of Bidder
Seal of Bidder

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)
(Enclose with Technical Bid)

Date.....

To,
The Director
Meghalaya & Arunachal Pradesh
Geo-Spatial Data Centre, Survey of India,
Malki, Shillong -793001

(Tender Ref no. S- 1920/17-D-2 Dated 17-07-2019)

I/We have downloaded the tender document(s) for the above mentioned "Tender/Work" from the web site(s) namely:..... as per your advertisement given in the above mentioned website(s), and in response, we offer to supply, Installation and configuration of LAN connection at Survey of India office, Shillong.

I/We hereby certify that I/we have read the entire terms and conditions of the tender documents (including all documents like annexure(s), etc), which form part of the contract agreement and I/we shall abide hereby by the terms/conditions/clause contained therein.

The corrigendum(s) issued from time to time by your department/organization too have also been taken into consideration, while submitting this acceptance letter. I/We hereby unconditionally accept the tender conditions of above mentioned tender document (s)/corrigendum(s) in its totality / entirely.

In case any provisions of this tender are found violated, then your department/organization shall without prejudice to any other right or remedy be at liberty to reject this tender/bid including the forfeiture of the full said earnest money deposit absolutely.

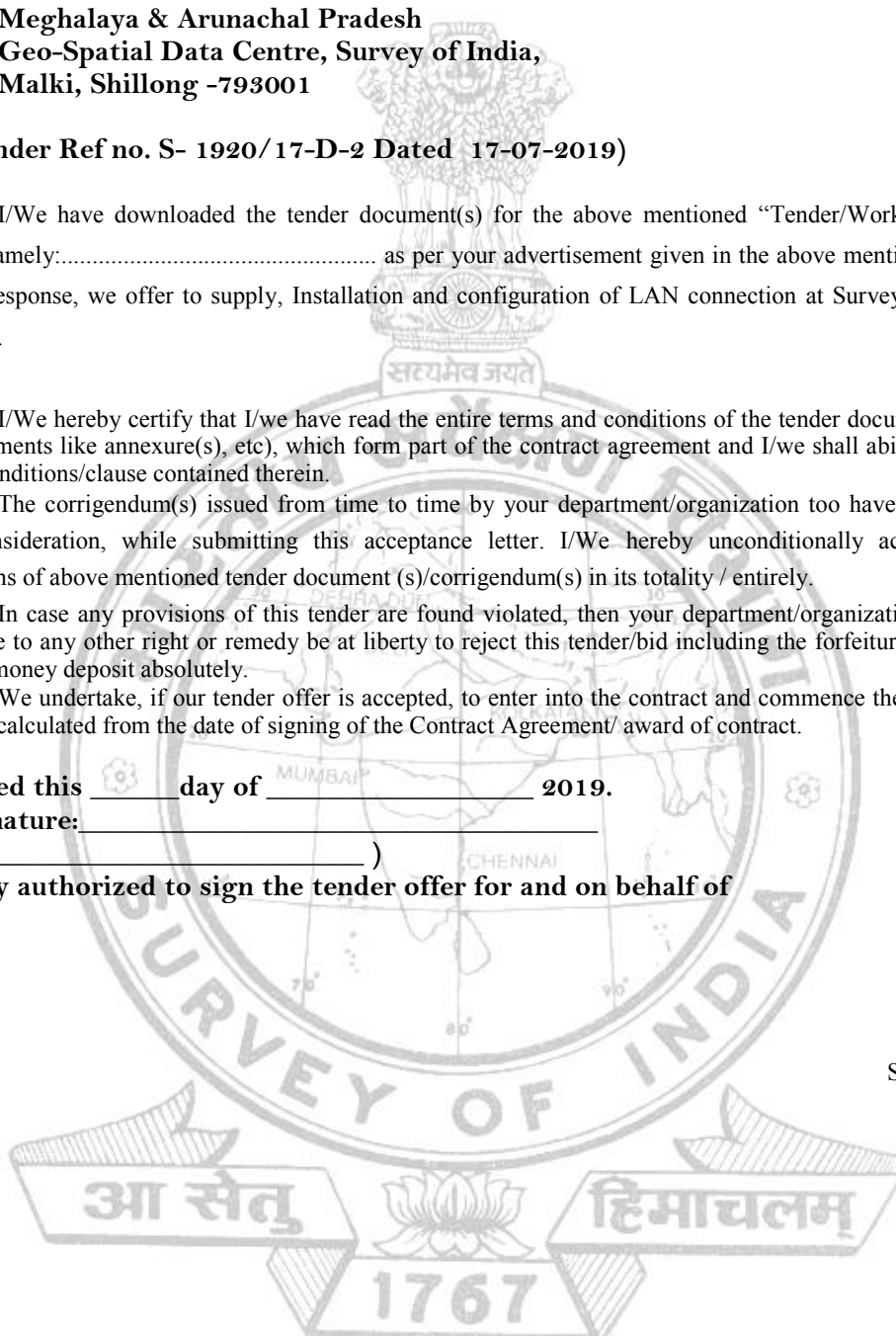
We undertake, if our tender offer is accepted, to enter into the contract and commence the services within 15 days calculated from the date of signing of the Contract Agreement/ award of contract.

Dated this _____ day of _____ 2019.

Signature: _____
(_____)

Duly authorized to sign the tender offer for and on behalf of

Signature of Bidder
Seal of Bidder



Annexure 'C'

Details of other organizations where such contracts undertaken during last three years (enclose supporting documents).

Proforma containing details of other organization where such or similar contracts were undertaken.

Sl No	Name and Address of the organization, contact no	Whether Govt/Semi Govt/Autonomous bodies/PSUs/Industries etc. (please specify)	Amount of contract	Reason for termination (if applicable)

This information is to be submitted in cover marked as **“TECHNICAL BID”**.



Signature of Bidder
Seal of Bidder

PERFORMA FOR FINANCIAL BID

Performa for Financial Bid enclosed as **Annexure 'I'** along with the tender document same should be submitted after filling the relevant columns.

Rate should be quoted including GST.



TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)
(Enclose with Financial Bid)

Date.....

To,
 The Director,
 Meghalaya & Arunachal Pradesh
 Geo- Spatial Data Centre
 Survey of India, Malki
 Shillong-793001

Sub: SUPPLY, INSTALLATION AND CONFIGURATION OF LAN CONNECTION AT SURVEY OF INDIA, SHILLONG - ACCEPTANCE OF TERMS & CONDITIONS OF TENDER.

(Tender Reference No: S-1920/17-D-2 Dated 17-07-2019)

Dear Sir,

I/We have downloaded the tender document(s) for the above mentioned "Tender/Work" from the web site(s) namely:..... as per your advertisement given in the above mentioned website(s).

I/We hereby certify that I/we have read the entire terms and conditions of the tender documents (including all documents like annexure(s), etc), which form part of the contract agreement and I/we shall abide hereby by the terms/conditions/clause contained therein.

I/We do hereby undertake that in the event of acceptance of our bid, we will provide the services as stipulated in the tender document on rates quoted in BOQ/ Price Schedule enclosed with bid and that we shall perform all the incidental services.

If our tender offer is accepted, I/we will submit a Bank Guarantee for a sum of 5% of the Contract Value as performance security for due performance of the Contract.

I/We hereby agree to abide by this Tender offer for 90 days and the same shall remain binding upon us and may be accepted at any time before the expiry of that period.

I am /We are aware that you are not bound to accept the lowest or any offer you may receive.

Name of Firm _____
 Address _____

Phone No. _____ Fax No. _____

Mobile No. _____

Name of Bank _____

Bank's Account No. _____

IFSC Code _____

MICR No. _____

Income Tax Registration No. _____

GST Registration No. _____

Signature of Bidder
 Seal of Bidder

CONTRACT AGREEMENT

(Agreement to be executed on a Non-Judicial Court Stamp of Rs.100/- value)

Agreement made on this ----- day of ----- Two Thousand Nineteen between _____ (hereinafter called the Service Provider or Contractor”) on one part and the Director, Meghalaya and Arunachal Pradesh Geo- Spatial Deata Centre, Shillong (hereinafter referred to as the Government) on the other part.

WHEREAS the Service Provider has tendered to the Government for Supply, Installation and configuration for LAN connection at Survey of India, Shillong as per the instructions given at the prices or rates mentioned in the Bid Form and whereas such tender has been accepted and the contractor has deposited with the Government the sum of Rs. _____ (in words _____) as performance security for the fulfillment of this agreement.

Now, it is hereby agreed between the two parties as follows:-

- 1) The contractor has accepted the contract on the terms and conditions listed in the Tender Document No. _____ which will hold good during the period of this agreement.
- 2) Upon breach by the contractor of any of the conditions mentioned anywhere in the Tender Document, the Government may issue a notice in writing, and put an end to this agreement without prejudice to the right of the Government to claim damages for antecedent breaches thereof on the part of the Service Provider and also to reasonable compensation for the loss caused by the failure of the contractor to fulfill the agreement as certified in writing by the Government whose certificate shall be the conclusive evidence of the amount of such compensation payable by the contractor to the Government.
- 3) The Service Provider has deposited with the Government a performance Security Deposit of Rs. _____ as security for compliance and performance in accordance with the contract. Upon the completion of the contract, the Performance Security Deposit shall after the expiry of _____ months from the date of signing this agreement will be returned to the Service Provider, without interest, and after deducting any sum due by the Service Provider to the Government under the terms and conditions of this agreement.
- 4) This agreement shall remain in force until _____ months after the expiry of the contract period.
- 5) Not-with-standing anything contained herein the tender and acceptance forms contained, the Government may cancel the contract at any time upon giving one month’s notice in writing without compensating the Service Provider in anyway whatsoever.
- 6) In consideration of the payments to be made by the Government to the Service Provider as mentioned in the Tender Document, the Service Provider hereby agree to provide to the Government the Supply, Installation and configuration for LAN connection at Survey of India, Shillong and to remedy shortcomings / deficiencies therein, if any, in conformity with the terms and conditions of the contract.
- 7) If any dispute or difference shall arise including this contract, the settlement of which is not herein before provided for the same shall be referred to the arbitration of the Surveyor General of India. Surveyor General of India may nominate, in writing, any officer to act as arbitrator and the decision of Surveyor General of India or officer nominated by him shall be final and binding on the parties to this contract.
- 8) In witness thereof the service provider _____ has set his hereto and Director, Meghalaya & Arunachal Pradesh, Geo- Spatial Data Centre, Shillong or his authorized representative has on behalf of the Government of India affixed his signature and seal thereto on the day and the year noted above.

Contractor : Survey of India

1. Witness : 1. Witness :

2. Witness : 2. Witness :

Place : Shillong.

PERFORMANCE SECURITY FORM

To

The Director,
Meghalaya & Arunachal Pradesh,
Geo-Spatial Data Centre
Survey of India, Shillong

WHEREAS.....(Name of Service Provider hereinafter called “the Service Provider” has undertaken Contract No. Dated 2019 to supply..... Description of Services) hereinafter called the Contract. AND WHEREAS it has been stipulated by the Government in the said Contract that the Service Provider shall furnish to you a bank Guarantee by a recognized bank for the sum specified therein as security for compliance with the Service Provider’s performance obligations in accordance with the Contract.

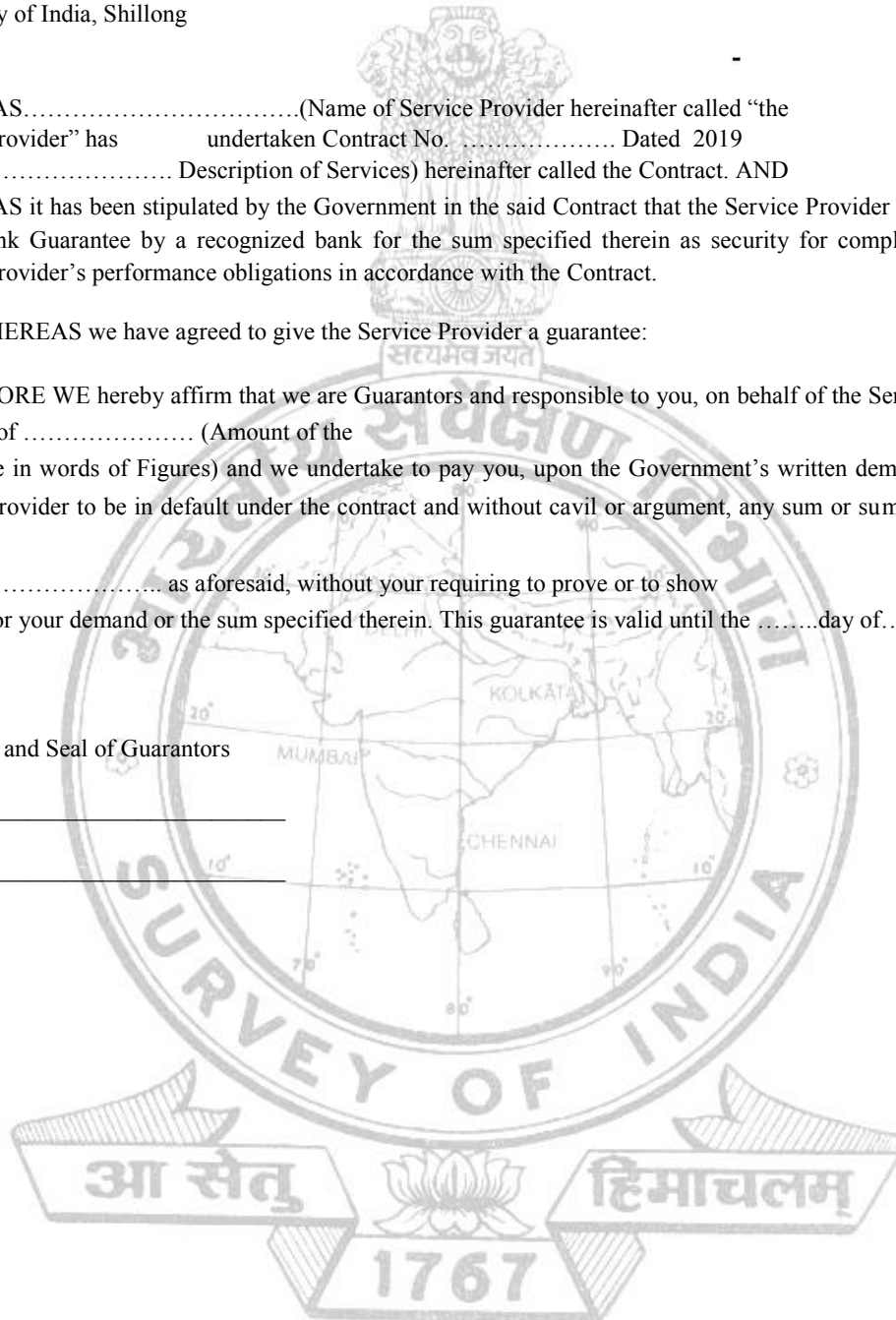
AND WHEREAS we have agreed to give the Service Provider a guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Service Provider, up to a total of (Amount of the Guarantee in words of Figures) and we undertake to pay you, upon the Government’s written demand declaring the Service Provider to be in default under the contract and without cavil or argument, any sum or sums within the limit of as aforesaid, without your requiring to prove or to show reasons for your demand or the sum specified therein. This guarantee is valid until theday of..... 2019.

Signature and Seal of Guarantors

Date:

Address:



SPECIFICATIONS OF THE SUPPLIED PRODUCTSi) **Specification for DAP 1360 (Wireless Access Point)**

Type of Access Point	Stand alone
Deployment	Indoor
Mounting	Floor
Antenna Type	External
Number Of Radios	Dual
Frequency Band	2.4 GHz
Supported Wi-fi Standards	802.11 b/g/n
Wireless Speed Up to (Mbps)	300
Max Wireless Signal Range in Mts	30
Channel Width (MHz)	20
Maximum Data Rate MBps	300
Supported Encryption	WPA-PSK, WPA AES, WEP
Dedicated Console Port	Not Available
Receiver Sensitivity in db	2
Transmit power (tx)(dBm)	2
Radio Resource Management such for power channel, coverage hole detection and performance optimization	Not Available
Support for Load Balancing between 2-4 Ghz and 5 Ghz	Not Available
Support for Configurable Carrier Threshold	Not Available
Device Management	Web-based Configuration Interface (GUI)
Support for Mesh Networking	Not Available
Support for QoS for Voice over Wireless	Available
Support for MU-MIMO	Not Available
Number of MIMO supported & Spatial Streams	2 x 2 :2
Number of WLAN (SSID) per AP	1
Maximum clients Nos	32
Support for Autonomous access-point option	Not Available
USB Ports	Not Available
Number of 10/100/1000 port	1
mGig support	Not Available
Fiber port (in case of outdoor AP)	Not Available
Support for Bluetooth Low Energy (BLE) support on AP	Not Available
Support for Beam forming	Not Available
Operate as a sensor for wireless IPS	Not Available
Support for QoS and Video Call Admission Control capabilities	Not Available
Support for Rogue access point detection	Available
Support for Wireless Intrusion Protection System	Not Available
WPC certified	Yes
Wi-Fi CERTIFIED	No
Support non-Wi-Fi detection for off-channel rogues and Containment for both radio while serving the client simultaneously	Not Available
Powering options (Such as AC/DC, 802/3af PoE, 802/3at PoE+), specify	AC/DC With Power Adopter
Power POE (Watt)	5
Environmental Standard : plenum-rated (UL2043) for Indoor and IP67 for Outdoor	Yes
Weight (grams)	185.7
On Site OEM Warranty (Years)	3

ii) **Specification for Comrack 42U Server Rack.**

Type of Server Racks	Portable Racks
Size of Server Rack Enclosure	42U
Depth of the Rack (mm)	Upto 1000
Mount Type	Free-Standing
Front glass Door	Yes
Type of glass used in front door	Transparent Toughened Glass
Material used for rear door	SPCC Quality Cold Rolled Steel Metal
Both rear and front doors with Perforation	Yes
Side Panels With Key Locks and Slam Latch	Yes
Secure Locks	Available
Rear split door design	Yes
Keyboard Tray Sliding and Rotary	Yes
Shelf For CRT/TFT Display	Yes
Cable channel in rear side for cable management	No
Support cable entry from top or bottom	Yes
Vertical & Horizontal managers	Yes
Numbers of Rack trays	2
Number of Fan For Heat dissipation (nos)	2
Number of fan trays	1
Heavy Duty Caster Wheels	Yes
If yes, then Front Break Options	Available
Load Bearing Capacity (Kgs)	150 kilogram
If Wall mount racks then ,Swing-Out Racks	Not Available
Dust or water resistant	Yes
PDU Power Strips	Available
Weight (Kg)	40 kilogram
Warranty (Years)	3

iii) **Specification for Digisol DG-SA1133 Transceiver**

Type of Transceiver	SFP
SFP Mode	Single
Supported Protocols	Ethernet
Compatability with OEMs Products	Available
Wavelength(nm)	1310
Fibre Cable Type	Single Mode LC Connector
Core Size (Micron)	9
Maximum Data Rate	1.25
Modal Bandwidth (MHz/Km)	0
Max.Cable Distance	10
Optical Component (nm)	1310
Digital Optical Monitoring (DOM) Support	Yes
Interface	SFP
Tx Power (dBm)	-9
Receiver Sensitivity (dBm)	-20
Operating Temperature Range(Degree C)	0-7
Operating Humidity (RH) (%)	10% to 90%
On Site OEM Warranty (Year)	5

iv) Specification for 12 Core OFC

GENERIC	
Governing Specification for telephone pair cable	TEC Specification G/WIR06/02
Conductor diameter Nominal (Range) (mm)	0.45
Number of pair (Number)	20
Length of cable in a bundle (Mtrs)	250
CONSTRUCTIONAL	
Telephone Pair cable used for Telecom data transmission, Intercom, EPBAX, FAX, Closed circuit security System.	Yes
Conductor Material	Copper
Insulation	PVC
Shielding	No
Minimum Diameter over insulation (mm)	0.8
Overall diameter of cable (mm)	15.5
CERTIFICATIONS	
Product Conforming to TEC Specification	Yes
Distinct Color Coding system	As per TEC Specification
Availability of complete and satisfactory type test Report from Central govt/ NABL/ ILAC accredited laboratory as per Governing Specification	Yes
Test certificate number	NC/IPJF-020
Test report date	20.04.18
Name of lab where test conducted	New delhi

v) Specification for 12 u sever rack (ComRACK) (Comrack CRKW0011)

Type of Server Racks	Portable Racks
Size of Server Rack Enclosure	12U
Depth of the Rack (mm)	Upto 450
Mount Type	Wall mount
Front glass Door	Yes
Type of glass used in front door	Transparent Toughened Glass
Material used for rear door	SPCC Quality Cold Rolled Steel Metal
Both rear and front doors with Perforation	No
Side Panels With Key Locks and Slam Latch	No
Secure Locks	Available
Rear split door design	No
Keyboard Tray Sliding and Rotary	No
Shelf For CRT/TFT Display	No
Cable channel in rear side for cable management	No
Support cable entry from top or bottom	No
Vertical & Horizontal managers	Yes
Numbers of Rack trays	0
Number of Fan For Heat dissipation (nos)	1
Number of fan trays	0
Heavy Duty Caster Wheels	NA
If yes, then Front Break Options	NA
Load Bearing Capacity (Kgs)	10 kilogram
If Wall mount racks then ,Swing-Out Racks	NA
Dust or water resistant	Yes
PDU Power Strips	Available
Weight (Kg)	15 kilogram
Warranty (Years)	3

vi) **Specification for Digisol DG-GS4928FSE-B1 24 PORT 3 LAYER SWITCH.**

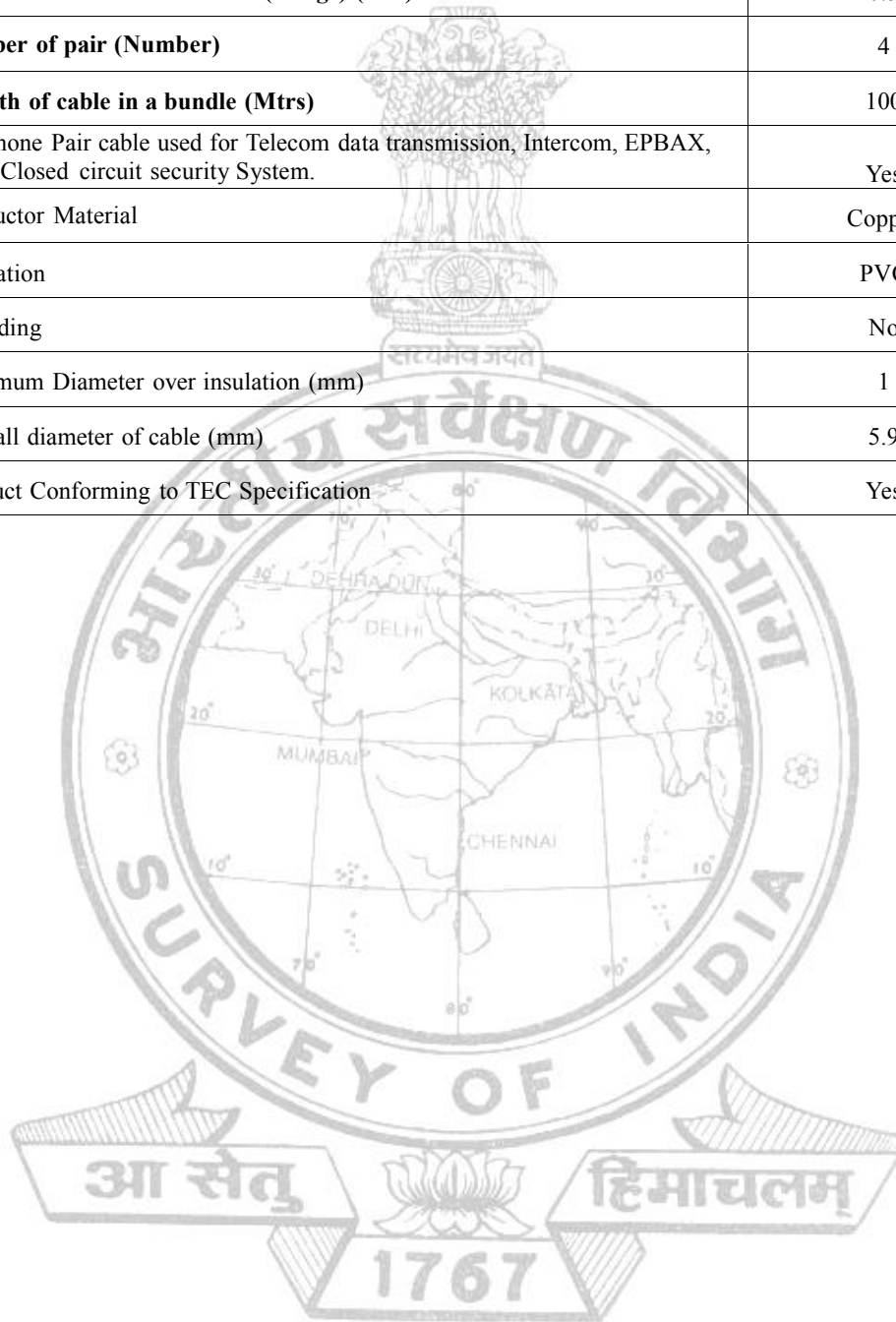
Type Of Core Switch	Non Chassis Based
No. of Interface Slots	0
No. of MPU/SUP/Fabric Slots (with redundancy)	0
No. of Power supply (with redundancy)	2
No. of FAN Tray	1
No. of 1G/10G SFP+ Port	16
No. of 1000 base-T Ports	8
Support for 40G QSFP+ Port	Yes
Number of 40G Q SFP+ Porta	2
Support for 100G QSFP+ Port	No
Number of 100 G QSFP+ Port	0
Console Port	Available
Modular OS	Available
Support for virtual Chassis	No
Switching Capacity (Gbps)	286
Throughput (MPPS)	214
Advance Layer-3 Protocol	Static routing, RIPv1, RIPv2, RIPng, OSPF, OSPFv3, BGP, BGP4-IS-IS, IS-ISv6, PBR, PIM-SM, PIM-DM, PIM-SSM for IPv4 and IPv6, MPLS, MPLS L3 VPN, MPLS L2 VPN, MPLS-TE
Security Feature	ACLs, Pv4/IPv6 port and VLAN-based ACL, Source-port filtering, RADIUS/TACACS+, Secure Sockets Layer (SSL), Port security, MAC address lockout, IEEE 802.1X, Web based Authentication, MAC based Authentication, Secure shell (SSH) v2, Dynamic ARP protection, DHCP protection, DHCPv6 Protection, Dynamic IPv6 Lockdown
Management Protocol	Telnet, CLI, GUI, TFTP/FTP, SNMPv1, v2, v3, SSHv2, RMON, Port mirroring, sFlow (RFC 3176), Dual flash images, Multiple configuration files, IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
QoS	available
Dimension/ Form Factor(RU)	1
Wattege (Watt)	120
Operating Temperature (Degree C)	0 - 45°C
Operating Humidity (RH)(%)	10-90
IPv6 Ready	Yes
On Site OEM Warranty(Year)	3

vii) **Specification for 24 Port Gigabit Ethernet Layer 2 Web Managed Switch(Digisol) ((DG-GS1528)**

Type of Switch	Managed
Technology	Non PoE
Number of 1G Copper Ports	24
Number of 10G Copper Ports	0
No. of 1 G SFP Port (Uplink)	4
No. of 10 G SFP+ Port (Uplink)	4
Multi-Gigabit Support	Yes
Redundant Power supply (from day one)	Available
Console Port	Available
Switching Capacity -Non Blocking (Gbps)	56
Throughput (MPPS)	41
Operating System	available
Dedicated Stacking Port/Slot (from day one)	Available
Stacking Bandwidth (Gbps)	1
Basic Layer-3 Protocol	Static routing
Security Feature	Mac address Binding, Support Broadcast storm control, IP and MAC ACL
Management Protocol	Provide IPv4/v6 Web-based management, Configuration Backup and Recovery
QoS	Queuing Mechanism: SP and WRR, WFQ, Classifications based on, COS, IP DSCP, Each port supports 8 queues, LLDP
Operating Temperature Range (Degree C)	0-50
Operating Humidity (RH)(%)	10-90
IPv6 Ready from day one and dully certified	Yes
PoE Power Budget (Watt)	50
on Site OEM Warranty	5

viii) **Specification for CAT6 UTP cable.**

Sl. No.	Specification	Values
1.	Governing Specification for telephone pair cable	TEC Specification G/WIR06/02
2.	Conductor diameter Nominal (Range) (mm)	0.5
3.	Number of pair (Number)	4
4.	Length of cable in a bundle (Mtrs)	100
5.	Telephone Pair cable used for Telecom data transmission, Intercom, EPBAX, FAX, Closed circuit security System.	Yes
6.	Conductor Material	Copper
7.	Insulation	PVC
8.	Shielding	No
9.	Minimum Diameter over insulation (mm)	1
10.	Overall diameter of cable (mm)	5.9
11.	Product Conforming to TEC Specification	Yes



Tender Inviting Authority: Director, Meghalaya and Arunchal Pradesh, Geo Spatial Data Centre, Survey of India, Shillong.

Name of Work: Supply, Installation and Configuration of LAN Connection at Survey of India, Shillong, Meghalaya.

Tender No :

PRICE SCHEDULE						
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)						
Sl. No.	Item Description	Quantity (Aprox.)	Units (Aprox.)	BASIC RATE In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT (Including GST) in Rs. P	TOTAL AMOUNT In Words (Including GST)
1	2	3	4	6	7	8
1	Active Components (installation)					
1.01	Core Switch(8 SFP ports , 12 copper port) (will be supplied from this office)	1	Nos			
1.02	24 port Access/Edge Switch NoN PoE with 2 SFP uplink with 5 year Warranty & Installation (will be supplied from this office)	10	Nos			
1.03	WAP with 3 YRS ONSITE SUPPORT with Power Injector (802.3at) for Aironet Access Points (will be supplied from this office)	5	Nos			
1.04	1G SFP Modules / Transceivers (Digisol Make), Single Mode (SM) - 3 year warranty (will be supplied from this office)	30	Nos			
2	Passive components (Supply)					
2.01	UTP Components					
2.02	42U floor standing Rack (will be supplied from this office)	1	Nos			
2.03	12U , 19" Wall Mount Racks (will be supplied from this office)	10	Nos			

Sl. No.	Item Description	Quantity (Aprox.)	Units (Aprox.)	BASIC RATE In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT (Including GST) in Rs. P	TOTAL AMOUNT In Words (Including GST)
1	2	3	4	6	7	8
2.04	Cat 6 UTP cable (will be supplied from this office)	6100	Meters			
2.05	24 port Patch Panel CAT 6 (D-Link / Digisol Make)	10	Nos			
2.06	Information Outlets-CAT 6-Single (1-port) (D-Link / Digisol Make)	100	Nos			
2.07	Cat6 Patch Cord - 1 mtr. (D-Link / Digisol Make)	100	Nos			
2.08	Cat6 Patch Cord - 3mtr. (D-Link / Digisol Make)	100	Nos			
2.09	1U Horizontal Wire Manager-CAT6 (D-Link / Digisol Make)	10	Nos			
2.1	OFC Components					
2.11	12 Core Single Mode Outdoor Armoured OFC (will be supplied from this office)	1000	Meters			
2.12	12-Port Fully Loaded Rack mount LIU (LC type) (D-Link / Digisol Make)	10	Nos			
2.13	SC to SC patchcord (1.5 mtr. SM) in lieu of SC (SM) Pigtails (D-Link / Digisol Make)	60	Nos			
2.14	Single Mode Duplex OFC SC-LC type Patch Cord (3mtr.) (D-Link / Digisol Make)	40	Nos			
2.15	Passive accessories (Valid ISO Product)					
2.16	32mm HDPE Pipe	1000	Meters			
2.17	1" GI Pipe	30	Meters			
2.18	1.5" PVC Conduit	1000	Meters			
2.19	Flexible PVC pipe	200	Meters			
2.2	1.5" Casing-Caping	3500	Meters			
3	Passive Items (Installation)					
3.01	Laying of 32mm HDPE under soft soil & refilling	1000	Meters			
3.02	Fixing of 1.5" PVC CONDUIT & 1.5" Casing caping on Walls	4500	Meters			

Sl. No.	Item Description	Quantity (Aprox.)	Units (Aprox.)	BASIC RATE In Figures To be entered by the Bidder in Rs. P	TOTAL AMOUNT (Including GST) in Rs. P	TOTAL AMOUNT In Words (Including GST)
1	2	3	4	6	7	8
3.03	Laying of 1" GI Pipe under concrete / Asphalt road & refilling	30	Meters			
3.04	Pulling & Laying of 12 Core SM Outdoor OFC	1000	Meters			
3.05	Installation of LIU	10	Nos			
3.06	Pigtail Splicing / OFC termination, per core	10	Nos			
3.07	Laying of CAT6 cable	6100	Meters			
3.08	19", 12U-Rack Installation	10	Nos			
3.09	Installation & Termination of information outlets (including termination of CAT 6 cable on Information Outlets	100	Nos			
3.1	Installation & termination of UTP CAT 6 cables on Patch Panel with wire manger	100	Nos			
3.11	Performance testing of the laid UTP CAT 6 cable (Penta Scanner Report & Documentation)	100	Nos			
Total in Figures						
Quoted Rate in Figures						
Quoted Rate in Words						