

**CHHATTISHGARH RAJYA SAHAKARI DUGDH MAHASANGH MARYADIT**  
(An ISO 22000:2018 Certified Organization)

Email: [purchase@devbhog.org](mailto:purchase@devbhog.org)Website: [www.cgcoopdairyfed.in](http://www.cgcoopdairyfed.in)

CGCDF/PUR/LAN/2893

Date: 21.11.2025

**NOTICE INVITING TENDER (NIT)**

CHHATTISHGARH RAJYA SAHAKARI DUGDH MAHASANGH MARYADIT invites bids under a two-bid system (Technical and Financial) from reputed, experienced, and financially sound IT/Networking/System Integrator companies for the **Supply, Installation, Testing, and Commissioning (SITC) of LAN Infrastructure** at Dairy Plant, URLA-BMY, CHARODA, DIST:-DURG-490025. The last date of tender submission is 23.12.2025 by 2 PM and detailed tender can be downloaded from our website [www.cgcoopdairyfed.in](http://www.cgcoopdairyfed.in) from 24.11.2025.

Managing Director

**हरिभूमि**

epaper.haribhoomi.com  
Raipur Main - 22 Nov 2025 - PAGE 5

<b>CHHATTISHGARH RAJYA SAHAKARI DUGDH MAHASANGH MARYADIT</b>	
(An ISO 22000:2018 Certified Organization)	
Email: <a href="mailto:purchase@devbhog.org">purchase@devbhog.org</a> , Website: <a href="http://www.cgcoopdairyfed.in">www.cgcoopdairyfed.in</a>	
<b>CGCDF/PUR/LAN/2893</b>	<b>Date: 21/11/2025</b>
<b>NOTICE INVITING TENDER (NIT)</b>	
CHHATTISHGARH RAJYA SAHAKARI DUGDH MAHASANGH MARYADIT invites bids under a two-bid system (Technical and Financial) from reputed, experienced, and financially sound IT/Networking/System Integrator companies for the Supply, Installation, Testing, and Commissioning (SITC) of LAN Infrastructure at Dairy Plant, URLA-BMY, CHARODA, DIST:-DURG-490025. The last date of tender submission is 23.12.2025 by 2 PM and detailed tender can be downloaded from our website <a href="http://www.cgcoopdairyfed.in">www.cgcoopdairyfed.in</a> from 24.11.2025.	
<b>Managing Director</b>	

**CHHATTISHGARH RAJYA SAHAKARI DUGDH MAHASANGH MARYADIT**

(ISO 22000:2018 Certified)

Website: [www.cgcoopdairyfed.in](http://www.cgcoopdairyfed.in)

CGCDF/PUR/LAN/2893

Date:21.11.2025

**Tender Notice for Supply and installation of LAN Infrastructure Set up**

Sealed tenders are invited from reputed suppliers for supply and installation of LAN –Networking. Details as mentioned below:-

S. no.	Name of item	QTY	EMD(Rs.)
1	Supply and installation of LAN Infrastructure Set up	01 Job Complete	50,000/-

**Estimated Cost of Work: Approx. 20 Lakhs**

Cost of tender form Rs.5000.00/- and EMD of Rs. 50,000 should be submitted through NEFT/RTGS to bank account as per below mentioned details.

**Bank Details:****Bank Name: State Bank of India****Account No. : 10822704894****IFSC Code: SBIN0000461****Branch: Main Branch Raipur**

**Note: Tenderers will have to send email containing UTR/Transaction receipt for tender fee & EMD to email ID [purchase@devbhog.org](mailto:purchase@devbhog.org) before due date & time of tender submission.**

The detailed tender may be download from website: [www.cgcoopdairyfed.in](http://www.cgcoopdairyfed.in)

**Address: - Managing Director -CGCDF- Plant- Urla, BMY CHARODA, Distt- Durg CG-490025.**

**MANAGING DIRECTOR****Head office & Postal Address.****CHHATTISHGARH RAJYA SAHAKARI DUGDH MAHASANGH MARYADIT****URLA-BMY, CHARODA, DIST:-DURG-490025.**

**CHHATTISHGARH RAJYA SAHAKARI DUGDH MAHASANGH MARYADIT**

(ISO 22000:2018 Certified)

Website: [www.cgcoopdairyfed.in](http://www.cgcoopdairyfed.in)

CGCDF/PUR/LAN/2893

Date:21.11.2025

## **INDEX**

<b>Description</b>	<b>Page no</b>
<b>Notice Inviting Tender</b>	<b>01</b>
<b>Detailed Tender Notice</b>	<b>02</b>
<b>Index</b>	<b>03</b>
<b>Bid Time and Schedule</b>	<b>04</b>
<b>Schedule -I: General Terms and conditions</b>	<b>05 -09</b>
<b>Schedule -II: Specificationand Scope of works</b>	<b>10-20</b>
<b>Schedule -III:Form –A-Bidder Profile</b>	<b>21</b>
<b>Check List for technical Documents</b>	<b>22</b>
<b>Schedule –III: Form –B- Bid Offer Format</b>	<b>23</b>
<b>Pre Integrity Pact</b>	<b>24-27</b>

**CHHATTISHGARH RAJYA SAHAKARI DUGDH MAHASANGH MARYADIT**  
(ISO 22000:2018 Certified)  
Website: [www.cgcoopdairyfed.in](http://www.cgcoopdairyfed.in)

CGCDF/PUR/LAN/2893

Date:21.11.2025

**BID TIME AND SCHEDULE**

Sr. No.	CGCDF Stage	Tenderer stage	Start Date & Time	Last Date & Time
1	Tender publication in Newspaper		22.11.2025	-
2	-	Tender Form to be downloaded from web site <a href="http://www.cgcoopdairyfed.in">www.cgcoopdairyfed.in</a>	24.11.2025 from 11.00 AM onwards	23.12.2025
3		Last date and Time for receipt of Documents with Tender form fees and EMD at Raipur CG office of CGCDF through Registered/Speed post.	-	23.12.2025 up to 02.00 PM.
4	Opening of Tender	-	-	23.12.2025at 03.00PM.
5	Venue for Opening of Tender	<b><u>Meeting Hall</u></b> - CHHATTISHGARH RAJYA SAHAKARI DUGDH MAHASANGH MARYADIT DAIRY PLANT URLA B.M.Y. CHARODA DIST. DURG (C.G.) 490025		

**NOTE.:-** CHHATTISHGARH RAJYA SAHAKARI DUGDH MAHASANGH MARYADIT DAIRY PLANT URLA B.M.Y. CHARODA DIST. DURG (C.G.) 490025 with half K.M. diversion. The place is approximately 18 K.M. away from Raipur the capital city of CHHATTISHGARH.

**Managing Director**

**SCHEDULE - I**  
**General Terms & Conditions**

CGCDF/PUR/LAN/2893

Date:21.11.2025

Chhattisgarh Rajya Sahakari Dugdh MahasanghMaryadit, Urla, Durg (CGCDF), an ISO certified cooperative organization, invites sealed tenders from reputed bidders for supply and installation of LAN Networking Setup strictly in adherence to the detailed specifications given in the schedule II of the tender documents.

Chhattisgarh Rajya Sahakari Dugdh MahasanghMaryadit, Urla, Durg reserves the right to accept or reject any or all tenders, which in their opinion justify such actions, without further explanation to the tenderers.

**1.0 Pre-qualification Criteria for Bidders**

S.N.	Criteria	Documentary Evidence Required
1	The Bidder, in the same name and style, should be in business at least for last five years at time of bid opening. In case of change of name of bidder by merger / acquisition / change in status, the bidder may be eligible based on the documentary evidence.	Enclosed copy of the certificate of incorporation/registration issued by the relevant authority in India.
2	The Bidder in the same name and style shall have successfully executed / completed contracts of similar nature of works <b>“Supply and installation of LAN Infrastructure Set up”</b> during the last five years ending last day of the month previous to the month in which bid is opened, either of the following: I) One Contract / Work of similar nature costing not less than 80% of estimated cost <b>OR</b> Two Contracts / Works of similar nature each costing not less than 50% of estimated cost <b>OR</b> Three Contracts / Works of similar nature each costing not less than 40% of estimated cost	Copies of contracts / work orders and documentary evidence of successful execution/completion in support of Past Experience of Similar Services along with names, address and contact details of clients.
3	The Bidder's average annual turnover in the same name and style in the last three financial years ending 31st March (i.e. FY 2022-2023, 2023-2024, 2024-2025) should be more than 50 Lakhs.	CA Certificate for the same
4	The Bidder should have valid registration under various Acts that may be applicable for the contract proposed. This shall include but not limited to Income Tax, Companies Act, GST, welfare cess act, Employee State Insurance, Contract Labour, Provident fund etc.	Enclose copy of the document
5	Income Tax returns filed for the last three Financial Years	Enclose copy of the document
6	The bidder should have positive net worth in last two financial years.	Enclose copy of the document

## **2.0 DECLARATION :**

The submission of a tender by a tenderer implies that he/she has read the notice and conditions of the tender and the terms and conditions of contract and has made himself/herself aware of scope and specifications of the supplies to be made and the destination where the supplies have to be made and satisfied himself/herself regarding the quality and specifications of the articles.

**3.0** The tender should be sent by Registered/ Speed post only on the address of Raipur office on or before the scheduled time and date. The tender should be sent in such a way to ensure that it reaches the office on or before the scheduled time and date. Chhattisgarh Rajya Sahakari Dugdh MahasanghMaryadit, Urla, Durg, shall not be responsible for any postal delay.

**3.1** Individuals signing on the tender and other related documents must specify in which capacity of the firm he/ she has signed the documents.

**3.2** The tenderer(s) should clearly state in their offer the address, telephone, fax, e-mail, & GST No. Any change in the address should immediately be communicated to the Managing Director, Chhattisgarh Rajya Sahakari Dugdh MahasanghMaryadit, Urla, Durg, and correspondence thereafter will be made at the changed address.

**3.3** Negligence on the part of tenderer in filling the tender form offers him/her no right to withdraw tender after it has been opened.

**3.4** The acceptance of the tender and award of the purchase order will be the sole right of the Managing Director, Chhattisgarh Rajya Sahakari Dugdh MahasanghMaryadit, Urla, Durg, who does not bind himself to accept a tender in whole or in part and may reject any or all the tenders received without assigning any reasons and no explanation can be demanded of the cause of rejection of the tender by any tenderer.

**3.5** The Managing Director, CGCDF reserves the right to place order for whole requirement with any tenderer or split the orders among one or more tenderers or not to purchase at all any item even after rate approval.

**3.6** The tenderers should submit the tender in the enclosed rate form -B only in schedule-III The conditional tenders are liable to be rejected.

**3.7** No person or firm is permitted to submit more than one tender under different names.

**3.8** Each page of the tender and its enclosure should be signed at the bottom by the tenderer.

**3.9** Tenderer shall fill all the details of the unit in the enclosed form- A in schedule-III.

## **4.0 Tender Fees:-**

Cost of tender form Rs.5,000/- (Rs.- Five thousandonly)to be paid through NEFT/RTGS to bank account as per below mentioned details.

### **Bank Details:**

**Bank Name:** State Bank of India

**Account No. :** 10822704894

**IFSC Code:** SBIN0000461

**Branch:** Main Branch Raipur

## **5.0 EARNEST MONEY DEPOSIT**

**5.1** All the tenderers are required to deposit Earnest Money deposit of Rs.50,000through NEFT/RTGS to bank account as per below mentioned details.

### **Bank Details:**

**Bank Name:** State Bank of India

**Account No. :** 10822704894

**IFSC Code:** SBIN0000461

**Branch:** Main Branch Raipur

Submissions of earnest money by any mode other than specified above shall not be acceptable and the related tender shall not be eligible for consideration.

**5.2** Any tender which is not accompanied by Earnest Money deposit shall be rejected. Earnest money deposit of unsuccessful tenderers will be returned within 90 days from the date of opening of the tender. The earnest money deposit of the successful tenderers will be released on completion of supply/work as the case may be within the stipulated period.

**5.3** No interest will be paid on the earnest money for the period during which (the EMD) lies in deposit with Chhattisgarh Rajya Sahakari Dugdh MahasanghMaryadit, Urla, Durg,

## **6.0 PRICES**

6.1 Rate should be quoted for the material as per the specifications given in the schedule II of the tender document.

6.2 In case of any doubt as to the meaning of any of the terms & conditions or the specifications, the tendering firm may set forth the particulars thereof and submit them to the Chhattisgarh Rajya Sahakari Dugdh Mahasangh Maryadit, Urla, Durg., in writing so that such doubts may be removed before submitting the tender.

6.3 The rates be quoted in figures and no cuttings/overwriting in rates should be there in tender. In case of overwriting/cutting rates written in words shall be considered.

6.4 Prices offered by the tenderers should be firm and free from all escalations and shall be valid at least for a period of 12 months from the date of approval of rates. CGCDF will have the right to extend the validity of the tender by 3 months. We would communicate our rate approval within 45 days of opening of tender.

## **7.0 The tenderer should quote rate inclusive of all taxes, loading, unloading or any other charges FOR dairy plant Urla Durg.**

7.1 Chhattisgarh Rajya Sahakari Dugdh Mahasangh shall not pay any charges whatsoever, other than rates approved in the tender.

7.2 The prices charged for the material supplies under the contract by the supplier firm in no event shall exceed the lowest price at which the supplier firm sells the material of identical tender description to any other persons/ firms during the period and until the execution of all supply orders placed during contract period.

7.3 Corrections, if any, in the tender should be noted over and signed at the places of each correction made.

## **8.0 MODE OF DESPATCH**

8.1 The material to be supplied by successful firm shall be dispatched to the dairy under prior intimation.

8.2 Warfage/Demurrage etc. on account of incorrect or delayed dispatch of material shall be the responsibility of supplier and shall be recovered from the bills.

## **9.0 LIQUIDATED DAMAGES;**

9.1 Once firm delivery/work competition date(s) are fixed, they shall be strictly adhered to. In case they are not followed, Chhattisgarh Rajya Sahakari Dugdh Mahasangh Maryadit, Urla, Durg, reserves the right either to cancel the order and make alternative purchases at the risk and expenses of the defaulting supplier/bidder or to charge liquidated damages from him/her at the rate as below:

**0.5% LD per week subjected to maximum of 10%.**

9.2 If the tenderer fails to make supply as per purchase order without any valid reason, the order would be treated as cancelled and the firm may be blacklisted for future dealings and EMD would also be forfeited.

## **10.0 INSURANCE**

Transit Insurance is to be arranged by the tenderer at their cost. Any loss during transit shall be the sole responsibility of the tenderer.

## **11.0 INSPECTION**

11.1 The materials supplies are subject to inspection at our stores before acceptance. If goods are rejected due to defective or wrong supply, the report of our authorized official in this respect shall be FINAL and no correspondence on the subject would be entertained. The rejected goods should be removed from our premises by the tenderer within 15 days after receipt of our inspection report

failing which the same shall be returned to the supplier at his risk and expenses or disposed off in auction and the proceeds, if any, less expenses would be credited to tenderer's account.

11.2 Sample of the articles should be sent/produced before the competent authority if asked for within 7 days or as mutually agreed.

## **12.0 Bidding Process**

12.1 The technical & financial bids are to be submitted in two separate sealed envelopes namely A & B respectively.

12.2 The two envelopes than have to be put inside a bigger sealed envelope C, super scribing "**Envelop C**" bid for **Supply and installation of LAN Infrastructure Set up with tender ref no.CGCDF/PUR/LAN/2893, Date:22.11.2025, Due on 23.12.2025 up to-02.00PM and Opened On-23.12.2025-03.00PM.**

**These envelopes will contain the document as follows.**

### **- Envelop 'A' Technical bid**

**This envelop must contain the following –**

- a. A filled up sheet of as per check list and self-attested copies of all the document as per point no- 1.0.
- b. This envelope "A" will be super scribed as envelop A "technical bid" for **Supply and installation of LAN Infrastructure Set up.**

### **- Envelop 'B' financial bid**

- a. The rate to be quoted in the prescribed format form 'B'
- b. The envelop B will be super scribed as "Envelope B" financial bid for **Supply and installation of LAN Infrastructure Set up.**
- c. All the pages submitted in all the two envelope –A&B in the bid along with the attached document should be signed by the authorized person of the bidder

## **13.0 Bid opening process**

- The bid will be opened on Date -**23.12.2025 at 03.00 PM**
- The bid will be opened same time in the next working day if the stipulated date is declared holiday for any reason whatsoever.
- The envelope A will be opened first & envelope B financial bid will be opened thereafter.
- The bidders who fulfill all the technical criteria as required for technical bid will be eligible for opening their financial bid.
- The representative of the bidders are also invited to be present at the time of bid opening process, however bid opening process shall not be stopped/halted/postponed in their absence

## **14.0 Agreement**

The successful bidder shall be intimated after selection and invited for signing the Agreement.

## **15.0 Integrity pact**

The bidder how to sign the integrity pact enclosed with the document.

## **16.0 PAYMENT TERMS**

-50% after receipt of materials at site, 30% after commissioning and 10% after successfully trail run with certificate and rest 10% after 01 year from the date of successfully trail run.

**The above payment terms are not applicable for BOQ item no. 52 for which the payment shall be released in three installments after completion of each years' service support.**

**17.0 TERMINATION OF CONTRACT**

If any act of commission or commission of a unit under contract brings Chhattisgarh Rajya Sahakari Dugdh MahasanghMaryadit, Urla, Durg, to dispute, then Managing Director , Chhattisgarh Rajya Sahakari Dugdh MahasanghMaryadit, Urla, Durg, shall be competent to debar/blacklist the unit from further business.

**18.0 CONSEQUENCES OF BREACH OF AGREEMENT**

If any firm under the contract commits breach of any of the conditions, it shall be lawful for the Managing Director, Chhattisgarh Rajya Sahakari Dugdh MahasanghMaryadit, Urla, Durg, to cancel the contract and to purchase material from any other alternate sources on the risk and cost of the defaulting unit.

**19.0 DISPUTE ARBITRATION & FINAL AUTHORITY**

- 19.1 It should be clearly understood that in the event of a successful tenderer failing to accept and execute the supply order, then decision of the Managing Director, Chhattisgarh Rajya Sahakari Dugdh MahasanghMaryadit, Urla, Durg, -490025 (CG), in this respect will be final and binding on the successful tenderer.
- 19.2 For all matters of dispute, the decision of the Managing Director, Chhattisgarh Rajya Sahakari Dugdh MahasanghMaryadit, Urla, Durg, or a nominee appointed by him under Arbitration and Conciliation Act. 1996 shall be final and binding on all the concerned.
- 19.3 For all disputes, the venue for legal course shall be at Raipur only.
- 19.4 **No correspondence will be entertained regarding tender after submission of tender document.**

Signature of tenderer

**Managing Director  
Chhattisgarh Rajya Sahakari  
Dugdh MahasanghMaryadit, Urla,**

## SCHEDULE -II

### Specification and Scope of Works

#### Technical Specification:

#### **1. 48-port 1000base-T Gigabit PoE+ Smart Managed L2 Switch – 3 Nos.**

Acceptable Make	Cisco/Aruba/Netgear/Dell	
S.No.	Technical Specifications	Compliance (Yes/No)
	<b>48-port 1000base-T Gigabit PoE+ Smart Managed L2 Switch</b>	
1	<b>Physical Specifications</b> 48 # 10/100/1000 Base-T auto-sensing PoE+ ports 4 dedicated 100/1000 Base-X Fiber SFP ports	
2	<b>Performance Specification</b> Bandwidth: 104 Gbps non-blocking Mean Time Between Failures (MTBF): 247,160 hours Forwarding modes: Store-and-forward MAC Address database size: 8,000 VLAN: 256, 32 Static Routes 1K Multicast groups 15 Routed VLANs 1024 ARP Cache entries 8K DHCP snooping bindings 1024 DHCP static entries 480 rules shared for MAC, IP and IPv6 ACLs Packet buffer: 8 MB, Jumbo frame: 9K Power Consumption: 446W Max PoE+ budget: 380W	
3	<b>IEEE Network Protocols</b> IEEE 802.3ad Trunking (LACP) STP/RSTP/MSTP IEEE 802.1X Radius network access control	
4	<b>Network Security and Traffic</b> PoE Timer. PoE Power Management Port Security Broadcast, Unicast, Multicast Protection MAC lockdown by the number of MACs IEEE 802.1x Radius Port Access Authentication IEEE 802.3ad - LAGs - LACP ( 8 LAGS with max. of 8 members in each LAG) L2 MAC, L3 IP and L4 Port ACLs IEEE 802.1p COS WRR (Weighted Round Robin)	
5	<b>Management</b> Web-based graphical user interface (GUI) Admin access control via Radius and TACACS+ Multiswitch management software Single pane-of-glass multi-device, multi-network, and multi-site remote monitoring Cloud-based network administration, monitoring, and firmware management SSL/HTTPS and TLS v1.0 for web-based access	
6	<b>Environmental Conditions</b> Operating Temperature: 32° to 122°F (0° to 50°C) Operating Humidity: 90% maximum relative humidity, non-condensing Storage Temperature: - 4° to 158°F (-20° to 70°C) Storage Humidity: 95% maximum relative humidity, non-condensing	
7	<b>Certifications</b> CE mark, commercial, CCC FCC Part 15 Class A, VCCI Class A Class A EN 55022 (CISPR 22) Class A Class A C-Tick, CSA certified (CSA 22.2 #950)	
8	<b>Warranty and Support</b> Lifetime hardware replacement warranty OEM should provide replacement with New product, No Refurbish products.	

**2. 24-port 1000base-T Gigabit PoE+ Smart Managed L2 Switch – 5 Nos.**

Acceptable Make		Cisco/Aruba/Netgear/Dell	
S.No.	Technical Specifications		Compliance (Yes/No)
<b>24-port 1000base-T Gigabit PoE+ Smart Managed L2 Switch</b>			
1	<b>Physical Interfaces</b>	24 X 1G Base-T Copper POE+ Ports, 02 X 1G Base-X Fiber SFP. 380W Power Budget	
2	<b>Performance</b>	Switching fabric: 52 Gbps Line-Rate , WRR, 8K MAC Address, Priority queues: 8,	
3	<b>L2 Service</b>	IEEE 802.1Q VLAN tagging, Broadcast, multicast, unknown unicast storm control, IEEE 802.3ad - LAGs (LACP), IEEE 802.3x (full duplex and flow control), IEEE 802.1D Spanning Tree Protocol, IEEE 802.1w Rapid Spanning Tree Protocol, IEEE 802.1s Multiple Spanning Tree Protocol, IGMP snooping (v1, v2, and v3), IGMP snooping querier, Block unknown multicast, Multicast groups 256	
4	<b>Network Security</b>	IEEE 802.1x, Guest VLAN, RADIUS based VLAN assignment via .1x, MAC-based .1x, RADIUS Accounting, Network Storm Protection, DoS, Dynamic ARP inspection, Broadcast, Unicast, Multicast DoS Protection	
5	<b>Management</b>	Web-based graphical user interface (GUI), Admin access control via Radius and TACACS+, RMON 1,2,3,9 , SSL/HTTPS and TLS v1.0 for Web-based access , Syslog (RFC 3164), Smart Control Center (SCC) for multi-switch management	
6	<b>Environmental</b>	Operating Temperature: 32° to 122°F (0° to 50°C), Operating Humidity: 90% maximum relative humidity, non-condensing, Storage Temperature: - 4° to 158°F (-20° to 70°C), Storage Humidity: 95% maximum relative humidity, non-condensing	
7	<b>Certifications</b>	CE mark, commercial, FCC Part 15 Class A, VCCI Class A, Class A EN 55022 (CISPR 22) Class A, Class A C-Tick, EN 50082-1, EN 55024, CCC	
8	<b>Warranty</b>	Min. 5-year or Higher Hardware Replacement Warranty, Lifetime free latest firmware support, Replacement with New Product Only No repair\refurbished Products.	

**3. 8-port 10/100/1000 Base-T PoE Smart managed switch with Fiber Uplinks – 1 nos.**

Acceptable Make		Cisco/Aruba/NetGear/Dell	
S.No.	Technical Specifications		Compliance (Yes/No)
<b>8-port 10/100/1000 Base-T PoE Smart managed switch with Fiber Uplinks</b>			
1	<b>Physical Interface</b>	8 # 10/100/1000 Mbps Base-T auto-sensing PoE ports 2 # 1000 Base-x SFP uplink ports	
2	<b>Network Protocol and Standards</b>	IEEE 802.3i 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T, IEEE 802.3z 1000BASE-X, IEEE 802.3x full-duplex flow control, IEEE 802.3af (DTE Power Via MDI), IEEE 802.3ad Link Aggregation (manual or LACP), IEEE 802.1w Rapid Spanning Tree Protocol (RSTP), IEEE 802.1s Multiple Spanning Trees Protocol (MSTP), IEEE 802.1ab Link Layer Discovery Protocol (LLDP), IEEE 802.1p Class of Service (CoS), IEEE 802.1Q static VLAN	
3	<b>Performance</b>	Forwarding modes: Store-and-forward, Bandwidth: 20 Gbps full duplex, Buffer memory: 512 KB embedded memory per unit, Address database size: 4k media access control (MAC), Mean time between failures (MTBF): 157,000 hours, Acoustic noise: 0 dB	
4	<b>Other Requirements</b>	IEEE 802.1Q static VLAN (64 groups, static), Protected ports, Port-based QoS, prioritization on power, Dynamic Power allocation, DSCP-based QoS, PoE timer, DiffServ, LLDP-MED, SNMP v1, v2c, v3, RFC 1213 MIB II, RFC 1643 Ethernet Interface MIB, RFC 1493 Bridge MIB, RMON group 1, 2, 3, 9, Auto voice VLAN, DHCP Filtering, Auto denial-of-service (DoS) protection, HTTP and HTTPS, Ping and traceroute, Power saving when link down, RFC 2131 DHCP client, DHCP filtering, IEEE 802.1x with Guest VLAN, Jumbo frame support, Port-based security by locked MAC addresses, MAC and IP-based ACL, Storm control for broadcast, multicast and unknown unicast packets, IGMP snooping v1/v2, Port-based egress rate limiting, SNTP, Port mirroring support (many-to-one), Web-based configuration, Centralised Management, Configuration backup/restore, Password access control, TACACS+ and RADIUS support, Syslog, Firmware upgradeable	
5	<b>Power Specifications</b>	PoE (55 Watts of power budget), Power consumption: 59.3W maximum	
		48V, 1.25A external power adapter	

6	<b>Environmental Specifications</b>	Operating temperature: 32° to 122° F (0° to 50° C), Operating humidity: 90% maximum relative humidity, non-condensing	
		Storage temperature: -4° to 158° F (-20° to 70° C), Storage humidity: 95% maximum relative humidity, non-condensing	
7	<b>Certifications</b>	CE mark, commercial, FCC Part 15 Class B, VCCI Class B, C-Tick, EN 55024, cUL IEC 950/EN 60950, CB	
8	<b>Status LEDs</b>	Per RJ45 port: Link/activity, speed, PoE status, Per SFP port: Link/speed, Per device: Power, PoE Max	
9	<b>Warranty and Support</b>	Min. 5 Years hardware replacement warranty, Lifetime Chat and e-mail Technical Support, Lifetime free latest firmware support,	
		OEM should provide replacement with New product, No Refurbish or Repair products.	

#### 4. Single Mode SFP 1G Module : 10 Nos.

Acceptable Make		Cisco/Aruba/Netgear/Dell
Technical Specs for Single Mode 1G Fiber Module		
Sr. No.	Technical Specification	Compliance (Yes/No)
1	High-performance 1310 nm single-mode SFP transceiver	
2	Maximum distance of up to 10 km	
3	Hot-pluggable	
4	Single-mode fibre	
5	1000BASE-LX (IEEE 802.3z standard)	
6	Duplex LC connector	
7	MSA, RoHS-compliant	

#### 5. WIFI AP - 4 x 4 Dual Band Wireless-AX Access point – 2 Nos.

Acceptable Make		Cisco/Aruba/Netgear/Dell	
S.No.	Technical Specifications		
4 x 4 Dual Band Wireless-AX Access point			
		Comptible (Yes/No)	
1	<b>Physical Interfaces</b>	One (1) 100/1000/2500Mbps Ethernet (RJ-45) PoE port with Auto Uplink™ (Auto MDI-X)	
		Min. Internal Antenna: 5dBi (2.4GHz), 5dBi (5GHz)	
		Power connection; LAN speed; 2.4GHz status; 5.0GHz status provision for power connector : 12V/2.5V (30W) Power adapter(not included) or PoE+ Switch	
2	<b>Standards</b>	IEEE 802.11AX, IEEE 802.11ac, IEEE 802.11n	
		IEEE 802.11AX standard, 2.4GHz and 5GHz	
		802.11e WMM (Wireless multimedia mode) for QoS	
3	<b>Security</b>	MAC ACL Yes	
		Min. Power over Ethernet (PoE+) 802.3at \af required.	
		Supports wireless security features (WPA, WPA2 and WPA3)	
4	<b>Network Management</b>	MAC Address filtering	
		4 SSIDs	
		Standalone Web UI	
5	<b>802.11ax high and superior coverage</b>	WiFi 6 802.11ax technology	
		Dual band concurrent operation between 2.4GHz and 5GHz frequency ranges	
		Maximize coverage for optimal deployment for SOHO	
6	<b>Maximum Theoretical Throughput</b>	AX4200, 600Mbps (2.4GHz) 3600Mbps (5.0GHz)	
		<b>Maximum Number of Clients</b>	256 (2.4GHz 128, 5GHz 128)
7	<b>Warranty and Support</b>	Hardware Limited Warranty 3Years	
		No repair products & replacement with New box.	
		Lifetime free latest firmware support	
8	<b>Mounting Accessories</b>	Wall/Ceiling mount required accessories	

**6. Network Rack – 15U – 1 Nos.****Network Rack Specification – 15U/600x600mm, Wall Mount, Welded**

Acceptable Make		Rittal/Valrack/APC/APW/Precision/Spider/D-link/Elixer	
Sl. No.	Component	Specification	Compliance Yes/No
1	Rack Size	15U	
2	Rack Dimensions	600mm (Width) x 600mm (Depth)	
3	Mounting Type	Wall Mount (WM)	
4	Construction	Welded Steel Frame	
5	Rack Color	Off White (RAL Shade preferred: RAL 7035)	
6	Front Door	Lockable Toughened Glass Door with Ventilation	
7	Side Panels	Removable with Lock Option	
8	Cable Entry	Top and Bottom Cable Entry with Rubber Grommets	
9	Equipment Mounting	19-inch Standard Mounting Rails, Adjustable Depth	
10	Load Capacity	Minimum 50 kg	
11	PDU (Power Distribution Unit)	6 Sockets x 5/15A Indian Round Pin Type	
12	Cooling	1 x Fan (90 CFM), Pre-installed on top panel	
13	Earthing	Earthing Provision with Terminal	
14	Accessories	Screws, Cage Nuts, Mounting Hardware Included	
15	Compliance	Should conform to DIN 41494 and IEC-297 standards	
16	Country of Origin	India (preferred)	
17	Warranty	Minimum 1 Year Manufacturer Warranty	

**7. Network Rack - 9U Wall Mount, Welded, 600x600mm – 8 Nos.****Network Rack Specification – 9U Wall Mount, Welded, 600x600mm****Acceptable Make**

Rittal/Valrack/APC/APW/Precision/Spider/D-link/Elixer

Sl. No.	Component	Specification	Compliance (Yes/No)
1	Rack Size	9U	
2	Rack Dimensions	600mm (Width) x 600mm (Depth)	
3	Mounting Type	Wall Mount (WM)	
4	Construction	Welded Steel Frame	
5	Rack Color	Off White (RAL 7035 preferred)	
6	Front Door	Lockable Toughened Glass Door with Ventilation Slots	
7	Side Panels	Removable with Lock Option (Optional)	
8	Cable Entry	Top and Bottom Cable Entry with Rubber Bush	
9	Equipment Mounting	19-inch Standard Mounting Rails (Adjustable Depth)	
10	Load Capacity	Minimum 40 kg	
11	PDU (Power Distribution Unit)	6 Sockets x 5/15A Indian Round Pin Type	
12	Cooling Unit	1 x Exhaust Fan (90 CFM) Mounted on Top Panel	
13	Mounting Hardware	Includes Screws, Cage Nuts, Washers	
14	Earthing	Earthing Provision with Terminal	
15	Compliance	As per DIN 41494 / IEC-297 Standard	
16	Country of Origin	India (preferred)	
17	Warranty	Minimum 1 Year Manufacturer Warranty	

**Important Notes:**

- Supply, installation and commissioning of all items as per Bill of Material, performance criteria and Technical Specification as mentioned in this tender document.
- The Supply and installation of all items as per BOM must be made within three months from the date of issue of supply order. Bidder shall need to follow delivery schedule very strictly. The ordered Items should be supplied and installed at CGCDF, Raipur, Chhattisgarh.
- The Bidder should submit the details of the various equipment supplied along with their brochures and manuals and troubleshooting sheets
- CGCDF, Raipur will not pay any additional charge for delivery of hardware.
- The bidder should replace any faulty hardware within 5 working days from complaint date.
- All systems should meet latest technology and connectivity standards and will have to be fully supported for at least next 5 years by the OEM.
- All original and latest hardware manuals and software, supplied by the OEM of the part/ component, should accompany the systems. All software must be of latest and Original Licenses and shall be supplied along with full set of original media, manuals and license certificate.

- All-inclusive delivery, installation, testing and commissioning of all supplied components and options within the offered prices at the risk of suppliers.
- Inspection shall be carried out by the Bidder or their authorized representatives at CGCDF premises.
- Preliminary Acceptance testing shall be done by representatives of CGCDF on receipt in the presence of representatives of the contractor and a preliminary test certificate shall be prepared. Preliminary inspection will comprise of the following;
  - Physical verification of the equipment, model details as per the supply contract.
  - Physical inspection of the equipment for any Physical damage.
- Installation and commissioning of equipment shall be done at CGCDF, Raipur. A Final Commissioning Certificate will be issued by CGCDF representatives. The final commissioning will comprise of the following:
  - The bidder must provide onsite technical support for the hardware delivered during warranty period within next business day.
  - Successful functioning of equipment for 7 days from the date of commissioning.
- The warranty for the hardware and software will start only after successful installation and acceptance testing. Purchaser will carry out acceptance testing within month after submission of completion of entire work by successful bidder.
- Work shall be carried out at CGCDF, Raipur as per Scope of Work and site conditions. Bidder will follow rules and regulation for entry/exit of CGCDF of their workforce.
- Quantities of Passive items are tentative and may vary on either side without any ceiling. Bidder to supply materials as per actual requirement. Payment for aforementioned items shall be made as per actual measurement of works executed at site.
- Bidder shall arrange required tools/tackles, instruments for smooth completion of the work.
- The bidder shall also be responsible for deputing qualified personnel for Installation, testing, commissioning and other services under his scope of Work as per this specification. All required tools and tackles for completing the scope of work as per the specification is also the responsibility of the bidder.
- CGCDF reserves the right for quantity variation due to increase/decrease in requirements. The bidder shall also provide all required equipment which may not be specifically stated herein but are required to meet the intent of ensuring completeness, maintainability and reliability of the total system covered under this specification, including integration and interoperability with the offered ICT Items mentioned in the tender.
- The bidder, at the bidder's own responsibility, cost and risk, is encouraged to visit and examine the site of works and its surroundings and obtain all information that may be necessary for preparing the bid and entering into a contract for execution of the works. The costs of visiting the site shall be at the bidder's own expense.
- It shall be deemed that the bidder has visited the site/area and got fully acquainted with the working conditions and other prevalent conditions and fluctuations thereto whether he actually visits the site/area or not and has taken all the factors into account while quoting his rates.
- All systems installation and integration to be completed within scheduled time, complete training and operational procedure of the ICT infrastructure should be provided free of cost to all the officials at the site.
- **The bidder must intimate the purchaser three days before their purpose of visit vide email to [amadroja@nddb.coop](mailto:amadroja@nddb.coop)**

### Scope of Work:

Bidder would be responsible for the following scope of services:

#### 1. Scope of Work-Supply

The scope of work covers all activities related to the procurement, installation, configuration, and commissioning of Network devices, UPS, Racks and Copper & OFC infrastructure.

- Supply of Copper Cat6 UTP Horizontal Connectivity-For New Ports Requirement.
- Supply of Copper Cat6 UTP Outside Plant -Out Door cable Horizontal Connectivity-For Weigh Bridge from Security Room.
- Supply of Supply of OFC Cables and Accessories.
- Supply of Rack and Accessories
- Supply Of UPS System & Battery.
- Supply Miscellaneous Genuine Material i.e. PVC Containment & Consumables

#### 2. Scope of Work-Installation services

##### Pre-Installation Planning:

- Conduct a comprehensive site survey to determine optimal routing.
- Prepare a detailed route plan and installation schedule.

#### 3. Scope of work for Wireless Access Point & Switches:

- Supply, Installation, Configuration and mounting of Switches inside network Rack
- Configuration and Assignment of IP address, Vlan, Spanning tree, Port Description, Access port, Trunk Port ( Uplink), Configure loop avoidance, access control, Configure remote management
- Supply, Installation & configuration, Mounting & Fixing of APs on Wall/Ceiling.
- Configuration of Aps, Creation of SSID for CGCDF Users

**4. LAN Cabling and OFC work:**

- Supply and Laying of CAT 6 UTP indoor cable through PVC Pipe/Casing & Capping/Flexible pipe/HDPE Pipe. Excavation and refilling of soil, if require.
- Supply & Laying of Single Mode Fibre Optic outdoor cable from HDPE Conduit/pipe in underground system. The HDPE Pipe is laid at 2 to 2.5 feet deep from the ground surface level..
- Supply & Laying of PVC Pipe/Casing & capping/Flexible pipe with required accessories and proper saddling in every 1 or 1.5 feet.
- Holes in walls/ceiling, Floor Tiles cutting/refilling etc. to be made for cable laying will be in scope of vendor and shall be plugged after drawing the cable.
- Each equipment, panel and outgoing cable from the patch panels shall be ferruled and labelled. Proper labelling and numbering shall also be provided on the outlets.
- Laying, Fixing, Termination and Testing of Fiber with all required accessories. All materials are to be arranged by the bidder / contractor. All cabling must be in "structured".Length of Fibre Optic Cable installation/laying will be paid as per actual length on ground.
- OFC cable to be spared minimum 3 Mtr. at Rack locations
- No joint shall be made at any intermediate point through runs of cables. In case of any damage during the laying of the cables, Vendor shall replace the complete segment of the cable without any additional cost to CGCDF.
- Each equipment, panel and outgoing cable from the patch panels shall be ferruled and labelled. Proper labelling and numbering shall also be provided on the outlets.
- Fiber Optic cable to be terminated at the both the end at A stn& B stn with following accessories
  - i) 24/12/6 ports rack mount LIU – Fibre express Rack mount patch panel 1U
  - ii) Optical Fibre Adapter strip
  - iii) SC single mode Pigtail
  - iv) SC-SC/SC-LC Single mode Duplex 3 meter fiber optical patch cord
  - v) Splicing of fiber optical cable must be done as per standard whenever it is required.
  - vi) For OFC route marker outside the building, marker in cement should be 1 feet above and 1 feet inside the surface with yellow colour and OFC embossed and at a distance of every 25 Mtr.
- Supply and installation of SFP module in the Switch
- Termination of existing 4- Core Single Mode Fiber in LIU and through existing OFC connectivity between two premises using SFP module from Medic Convertor.
- Testing of Fiber connectivity from Switch to Switch and through OTDR
- LAN Network diagram for each Rack and connected Rack will be supplied after installation
- Vendor has to deliver training programme for manageability of the LAN network to the site engineers and produce Technical Project document at the end of the project

**5. Scope of Work for Rack Installation and Structure Cabling**

- Supply, Installation and mounting/fixing of Wall/Floor Mounted Network Rack (12U/9U/6U)
- Supply, Installation and termination of CAT 6 Network Patch Panel
- Proper dressing, Ferruling and Structure cabling of CAT6 UTP cable inside the Rack
- CAT 6 1 Meter Patch cord termination from patch panel to Switch inside the Rack
- Testing of LAN connectivity of CAT6 UTP Cable from Network Patch Panel at Rack end to WorkStation end.
- Termination & Installation of Network I/O
- Pulling of CAT 6 UTP cable from PVC conduit/Casing and capping with saddling.
- Labelling & Ferruling of UTP Cable
- UTP Cable Termination
- Labelling of 24 port Jack panel
- Labelling of Face Plate, Labelling of UTP Patch code with Self Adhesive round label
- UTP Cable Performance Testing as per EIA/TIA Standards

**Service Level Agreement (SLA)**

- 1 hour Response and 4 hour Resolution as per SLA requirement for support for Priority 1 /Severity 1 Calls.
- After sales Service: Onsite comprehensive support service should be provided within 4 hours from reporting any hardware/technical issue of the ICT infrastructure. Minimum uptime for all the system should be >=98%.
- 24 X 7 Remote monitoring & advance technical call log /part replacement for any issue.
- Next Business Day (NBD) Support for Hardware replacement/ stand by.
- Equipment breakdown: Any Equipment breakdown must be attended to within 72 hours during the warranty period of the equipment free of cost.
- Hardware related issues must be ensured on site till resolution of problem.
- Central helpdesk or through E-mail for call booking and Docket number.
- All Configuration supports and new requirements related to devices must be provided, whenever required, remotely.
- Remote Support for Troubleshooting and maintenance.

### Deliverables and Training

- Bidder must provide operational hands on training in professional manner to the CGCDF IT persons related to deployed infrastructure and its Management.
- Bidder must provide a complete Project documentation and administrative documentation for day to day Management of installed ICT equipment.
- Bidder must provide necessary documentation (if any), architecture diagram (if any) and License software details during the project or at the time of project handover to the CGCDF IT. Warranty support to be considered for 03 years from OEM from the date of commissioning of IT Infrastructure at site.
- Bidder needs to provide escalation matrix for each OEM of supplied product in the project document.

**Performance Bank Guarantee and Warranty: Bidder will have to deposit bank guaranty of 10% value of PO (for 3 Years) after commission scope of work.**

### Post Implementation Support and Warranty:

- Bidder must provide onsite comprehensive warranty (including but not limited to Parts, Labour, Configuration, Software Upgrade, Updates critical hot fixes, service packs, and major upgrades).
- Support from certified engineers round the clock for any queries.
- Quarterly health check for all devices/ equipment. Bidder can propose Industry best practices for proactive health check-up frequencies / methodologies.
- During **03 years' warranty** period, all upgrades for firmware, operating system upgrades, version upgrades, quick fixes and security patches to be made available to semen station at no extra cost.
- All devices must be registered with OEM for back to back warranty support.
- It has to be ensured by the Bidder that all the supplied products in the scope of work including but not limited to Server, inbuilt Cards, LAN Switches, WIFI APs, UPS System and SFP modules are always in working condition. Any breakdown or defects shall be attended to immediately. If for any reason, the product is not operational, necessary standby shall be provided in case of emergency.
- If Bidder is not able to fulfil part replacement as per SLA or Incident resolution time as per SLA, then warranty will be extended for a period of one week. If Bidder is not able to fulfil configuration support as per SLA then warranty would be extended for 1 day.
- Vendor shall provide 3 years on site comprehensive warranty of passive components.
- During warranty the vendor shall repair/replace the defective portion/items without charging any cost or any item.
- Supplier/service provider must have their well-established office setup and support infrastructure to address the onsite service requirements. Address and contact details along with Name, contact number, mail id responsible for this project from local office should be available.

### Bill of Quantity (BOQ):

Sr. No	PRODUCTS DESCRIPTION	Acceptable Make	QTY	UoM	UNIT PRICE (INR)	EXTENDED PRICE	TAX	TOTAL VALUE
1	Single Mode 1G - SFP Module	Cisco/Aruba/Netgear/Dell	10	NOS				
2	Essentials WiFi 6 Dual Band Wall/Ceiling Mount, PoE Powered, Local Management as per attached Technical Specification in RFP	Cisco/Aruba/Netgear/Dell	2	NOS				
3	24-Port Gigabit Ethernet PoE+ Smart Switch w/ optional Remote/Cloud Management and 2 SFP Ports (380W) as per attached Technical Specification in RFP)	Cisco/Aruba/Netgear/Dell	5	NOS				
4	48-Port Gigabit Ethernet PoE+ Smart Switch w/ optional Remote/Cloud Management and 4 SFP Ports (380W) as per attached Technical Specification in RFP	Cisco/Aruba/Netgear/Dell	3	NOS				
5	8-Port Gigabit PoE+ Ethernet Smart Switch with 2 SFP Ports and Cloud Management (55W)as per attached Technical Specification in RFP	Cisco/Aruba/Netgear/Dell	1	NOS				
6	Cat 6 Cable 305m reel in a box (Gray)	Molex/CommScope/Siemon / Panduit	15	Box of 305M				
7	Cat 6 Jack, Shuttered, Gray	Molex/CommScope/Siemon / Panduit	150	Nos				

8	2 Port 86 x 86mm Wall ce plate - Unloaded - White	Molex/CommScope/Siemon / Panduit	150	Nos			
9	Cat 6 Patch Cord U/UTP, 2m, Gray	Molex/CommScope/Siemon / Panduit	150	Nos			
10	Cat 6 Patch Cord U/UTP, 1m, Gray	Molex/CommScope/Siemon / Panduit	150	Nos			
11	Cat 24 Port Patch Panel, loaded with CAT 6 I/O- 1U with all accessories	Molex/CommScope/Siemon / Panduit	12	Nos			
12	Cat6 4 Pair U/UTP Out Side Plant - Outdoor Cable PVC(UV) Sheathed 305m reel	Molex/CommScope/Siemon / Panduit	1	Box of 305M			
13	6 core outdoor armoured 9/125 Singlemode - single loose Tube.	Molex/CommScope/Siemon / Panduit	500	Mtrs.			
14	24 port , 1U sliding fiber drawer, unloaded	Molex/CommScope/Siemon / Panduit	5	Nos			
15	24F splice tray	Molex/CommScope/Siemon / Panduit	5	Nos			
16	6 Pak LC adapter plate with 6 duplex, SM LC adapters (12 fiber)	Molex/CommScope/Siemon / Panduit	5	Nos			
17	6 Pak Blank Plate	Molex/CommScope/Siemon / Panduit	20	Nos			
18	LC Pigtail, SM, 9/125, 900 micron 1.5Mtrs.	Molex/CommScope/Siemon / Panduit	60	Nos			
19	LC-LC Single mode OS2,Duplex Patch Cord,3 Meter	Molex/CommScope/Siemon / Panduit	18	Nos			
20	25mm PVC Conduit Pipe With All Accessories.	Std. ISI Make	360	Mtr			
21	25mm PVC Flexible Pipe With All Accessories.	Std. ISI Make	60	Mtr			
22	32mm Reinforced Flexible Pipe	Std. ISI Make	60	Mtr			
23	32mm HDPE Pipe With All Accessories	Std. ISI Make	675	Mtr			
24	32 MM HDPE Pipe Coupler	Std. ISI Make	15	NOS			
25	50mm PVC Casing Capping With All Accessories	Std. ISI Make	264	Mtr			
26	25mm PVC Casing Capping With All Accessories	Std. ISI Make	146	Mtr			
27	50mm GI Pipe with All Accessories	Std. ISI Make	15	Mtr			
28	Fiber Route marker		15	Nos			
29	Splice Protection Sleeve (Length: 60 mm Pack of 100)		1	Pkt			
30	Square PVC Surface Mount Box 3X3	Std. ISI Make	142	Box			
31	16 MM Velcro Tie (22.5) Mtrs Roll		15	Roll			
32	Nylon Cable Tie ( Pack of 100 Nos ) ( 150 MM )		10	Pkt			
33	Nylon Cable Tie ( Pack of 100 Nos ) ( 300 MM )		10	Pkt			
34	15U/600 Rack/Welded/WM/Off White 15U/600x600 Rack/Welded/WM/Off White with Glass Door, 6 x 5/15A Indian Round Pin PDU, Fan 90CFM	Rittal/Valrack/APC /APW/Precision/Spider/D-link/Elixer	1	NOS			
35	9 U/600x600 Rack/Welded/WM/Off White with Glass Door, 6 x 5/15A Indian Round Pin PDU, Mounting Hardware, Fan 90CFM 9U/600 Rack/Welded/WM/Off White	Rittal/Valrack/APC /APW/Precision/Spider/D-link/Elixer	8	NOS			
35	Cantilever Shelf/Type2/1U/Off White		8	NOS			
36	Mounting Hardware-CR (Pack of 20)		10	NOS			
37	Horz. Cable Organiser/1U/ Channel On Front		6	NOS			
39	Fiber Cable Laying in Existing Cable Tray / Trench		500	Mtr.			
40	HDPE Pipe Laying in Existing Cable Tray / Trench with Saddling		430	Mtr.			
41	Fiber Fusion Splicing and Testing		60	Nos.			
42	Installation and Labelling of 24/12 Port Fiber Optic Patch Panel		5	Nos.			
43	Excavation and Backfilling with Resurfacing - Hard Soil		150	Mtr.			
44	Excavation and Backfilling with Resurfacing - Road Crossing		15	Mtr.			

45	Installation of Cable Route Marker		15	Nos.				
46	UTP Cable Laying in Existing Cable Tray / Trench/Workstation/PVC Conduit/Casing		500 0	Mtr.				
47	CAT 6 I/O Termination with back box and Face Plate		150	Nos.				
48	Laying of PVC Conduit/PVC Caing		750	Mtr.				
49	Installation of Wall Mount Rack with Proper Rack Dressing and Ferruling		8	Nos.				
50	Onetime setup/Installation/Configuration of LAN Swiches/Wireless Access Point/UPS System including Project Documentation & Drawings as per attached scope of work		2	Nos.				
51	PROJECT MANAGEMENT & DOCUMENT CHARGES Documentation of Layout, cable route drawings, identification & test reports & Certification.		1	Job				
52	Post implementation vendor support for next 3 years – LAN Network Management Support		1	Job				

**Note:**

- Bidders are requested to quote their price in Price Schedule and submit along with their offer.
- **Bidders must provide their technically compliance in Y/N against each items mentioned in the enclosed specification, offer received without compliance is not acceptable.**
- **Bidder must provide offered make and model for each items mentioned in the BOQ**
- All active components must have 3 (Three) years comprehensive on site replacement warranty with 8x5 NBD support from the OEM.
- The above price is inclusive of packing, forwarding, transportation, loading and unloading of the material
- Bidder may visit the site for the survey before submitting the quotation.
- The quantities mentioned for Passive Items ( CAT6/OFC Cable/HDPE/PVC conduit/Casing & Capping and its Laying & Labor work) in are tentative and may vary on either side. Bidder to supply materials as per actual requirement. Payment for aforementioned items shall be made as per actual measurement of works executed at site.
- All Passive components must be of same OEM except Network Rack.

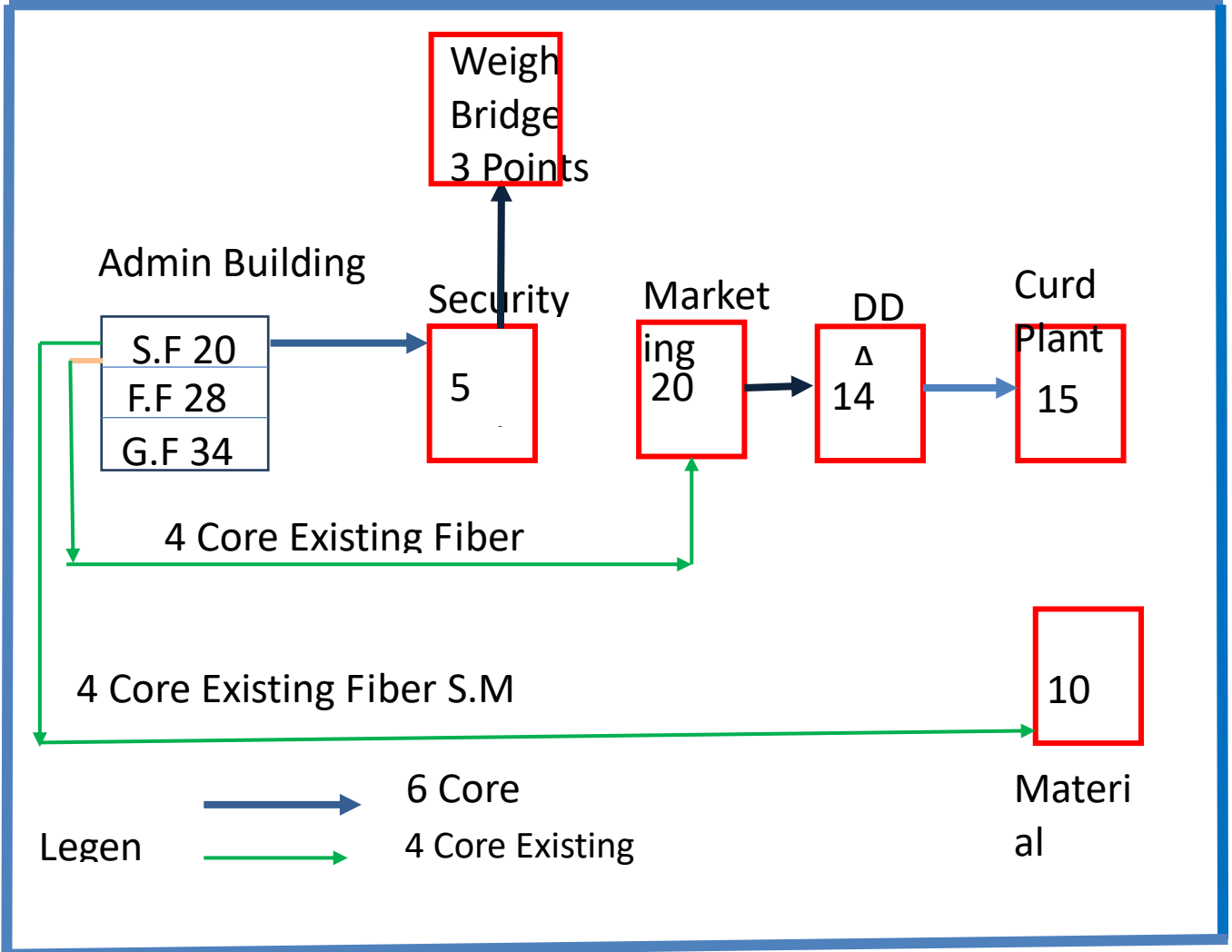
**Scope of Services:**

- Bidder shall provide at least three customer references where same or higher version of products are implemented in the last three years. Relevant purchase order to be submitted along with the bid to evaluate.
- Bidder shall be an authorized reseller of supplied equipment. Bidder has to submit their certification in bid to evaluate.
- Bidder has to submit Manufacture authorize Form (MAF) from OEM in the bid to evaluate.
- Authorized dealers participating in the bidding must accompany authorization letter by OEM's. The authorization must state our tender no. and acceptance of technical data and scope of work.
- The brand and make/model numbers of the quoted items must be clearly specified in the technical bid. The Bidder should ensure compatibility of the supplied items.
- Bidder must provide quoted make and model along with part code in their bid.
- The Bidder shall provide a technical compliance statement for all the technical specification parameters.
- The system offered must be of latest available product from the OEM. Near obsolete and out-dated technology based products should not be quoted/ offered as a part of the solution. All supplied items must be brand new and refurbished items are not acceptable. Products going end-of-life in next 2 years from last date of tender must not be quoted
- Each item offered shall have a minimum support life of 5 years i.e. the Bidder & OEM should ensure availability & supply of required spares and consumables for warranty period. OEM need to give declaration for 5 Years support life.

CGCDF LAN Planning :

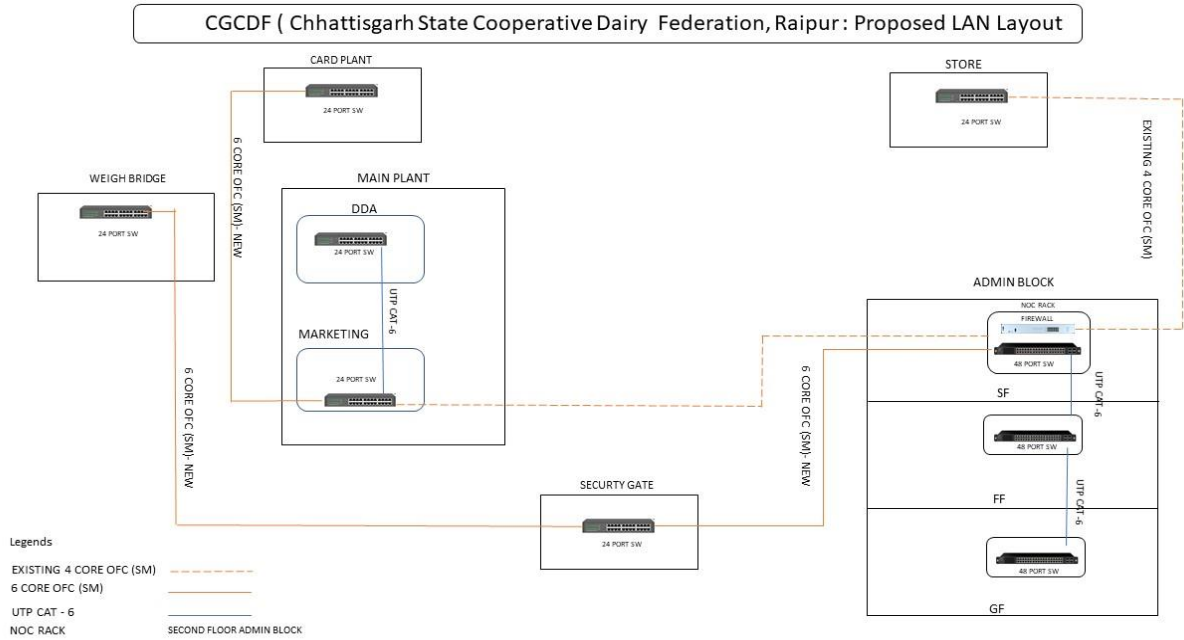
**1. LAN LAYOUT**

**6 Core S.M Fiber & Outdoor Copper Backbone Connectivity Architecture**



OUTDOOR UTP

**PROPOSED LAN LAYOUT:**



**2. LAN Node Requirement:**

SR#	Name of the Building	Name of the Location	User Count	Data	AP Count	CCTV	Additional Points /Printer	Total Data	UTP Back Bone	Total Data
1	Admin Building	Ground Floor	29	29	2	0	1	32	2	34
		First Floor	23	23	2	0	1	26	2	28
		Second Floor	17	17	2	0	1	20	0	20
2	Security Room	Attendance	3	3	0	0	0	3	0	3
		Work Station	2	2	0	0	0	2	0	2
		Weigh Bridge	0	0	0	0	0	0	0	0
3	Marketing Office	Work Station	8	8	0	0	0	8	0	8
		Ghee Room	3	3	0	0	0	3	0	3
		Engineering Office	9	9	0	0	0	9	0	9
4	DDA Room	Work Station	2	2	0	0	0	2	0	2
		Production office	8	8	0	0	0	8	0	8
		Office Room	2	2	0	0	0	2	0	2
		QC Room	2	2	0	0	0	2	0	2
5	Curd Plant	Curd Plant area	10	5	0	10	0	15	0	15
6	Material Store	Store	10	10	0	0	0	10	0	10
<b>TOTAL</b>			<b>128</b>	<b>123</b>	<b>6</b>	<b>10</b>	<b>3</b>	<b>142</b>	<b>4</b>	<b>146</b>
7	STP Cable	Weigh Bridge	3	3	0	0	0	3	0	3

**Chhattisgarh Rajya Sahakari Dugdh  
Mahasangh Maryadit, Urla, Durg,**

**SCHEDULE III****(To be filled in and submitted along with the offer by the tenderer )****FORM-A****I/We hereby furnish particulars of our firm as under :**

- 1 Name of the firm M/s. ....
- 2 Address of the firm Office .....
- Factory.....
- 3 Telephone no/ Mobile No. Office..... Factory .....
- 4 Name of proprietor/ partner .....
- Contact no. (mobile) .....
- 5 Registration No. & date, .....
- Certificate issuing authority. ....
- 6 GST No. with India Govt. certificate photocopy .....
- 7 Customers on current list i .....
- ii .....
- iii .....
- Iv .....
- 8 Are you supplying same .....  
material to any other cooperative .....  
dairies (if yes, give clientele list)
- 9 Whether the firm was black-listed/debarred or penalized by any Central or State govt.  
Organization at any time. Yes/No/
- 10 If the reply is „ Yes“, when & .....  
why? Give reasons in detail .....

I/We undertake that the information furnished in this tender document is correct to the best of my/our knowledge and belief.

Date:

Place :

**Seal &Signature of the authorized signatory of the firm**

**SCHEDULE - III**  
**(to be filled in and submitted along with the offer by the tenderer )**  
**FORM-A**

**Check List for document submission**

<b>S.No.</b>	<b>Document</b>	<b>Submission Status</b>
1.	Registration for GST	<b>YES/NO</b>
2.	Valid & active PAN issued by I.T. Department.	<b>YES/NO</b>
3.	I.T. return for the last 03 assessment year. (2022-23,2023-24,2024-25)	<b>YES/NO</b>
4.	Experiences- should have for same work at least two organization in each last 02 financial year i.e 2022-23 and 2023-24 (supply order copy should be enclosed)	<b>YES/NO</b>
5.	The bidder must attach turn-over of last 03 year and it should be more than <b><u>One crore</u></b> per year	<b>YES/NO</b>
6.	PRE CONTRACT INTEGRITY PACT	<b>YES/NO</b>

Note:- In the submission status please write YES for document submission and NO for non submission.

**SCHEDULE-III**  
**FORM -B**

(Financial Bid Format)

To,  
The Managing Director  
Chhattisgarh Rajya Sahakari  
Dugdh Mahasangh Maryadit,  
Urla, Durg.- 490025 (CG)

Dear Sir,

With reference to your tender ref. no.....  
for.....(item) , we are pleased to offer our rates as under :

S.N.	Name of the item	<b><u>Complete Project Rate</u></b> (Inclusive of all taxes, loading and unloading charges, FOR)
1	Supply and installation of LAN Infrastructure Set up-Complete Set up	

Notes :- 1. **The tenderer should quote rates FOR Destination only(Urla Dairy Plant,**

2. All corrections should be initiated
3. Rates are to be given both in figures and words. In case of any mismatch in rates, those given in words shall be considered.

Place : .....

Date : .....

Signature of the authorized signatory  
with seal of the firm

## PRE CONTRACT INTEGRITY PACT

### **1. GENERAL**

This pre-bid contract Agreement (herein after called the integrity pact) is made on..... day of the month .....20....., between, the Government of Chhattisgarh acting through the Managing Director, Chhattisgarh Rajya Sahakari Dugdh MahasanghMaryadit (Designation of the officer, Department) government of Chhattisgarh (hereinafter called the “BUYER”, which expression shall mean and include, unless the context otherwise requires, his successors in the office and assigns) and the First party, proposes to procure ..... (name of Work) and M/s ..... represented by Shri ..... Post..... (here in after called the “BIDDER/Seller”, which expression shall mean and include, unless the context otherwise requires, his successors an permitted assigns) and the second party, is willing to offer/has offered.

WHEREAS the BIDDER is a Private Company/Public Company/Government/ undertaking /partnership/Registered Export Agency, Constituted in accordance with the relevant law in the matter and the BUYER is a Ministry/Department of the Government, performing its function on behalf of the Government of Chhattisgarh.

### **2. OBJECTIVES**

NOW, THEREFORE, the BUYER and the BIDDER agree to enter into this pre contract agreement, hereinafter referred to as integrity Pact, to avoid all forms of corruption by following a system that is fair, transparent and free from any influence/prejudiced dealings prior to, during and subsequent to the Contract to be entered into with a view to :-

Enabling the BUYER to obtain the desired Store/Equipment/Work/Service at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary impact of corruption on public procurement, and

Enabling the BIDDERS to abstain from bribing of indulging in any corrupt practices in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing any corrupt practices and the BUYER will commit to prevent corruption, in any form, by its official by following transparent procedures.

### **3. COMMITMENTS OF THE BUYER**

The BUYER commits itself to the following:-

The BUYER undertakes that no official of the BUYER, connected directly or indirectly with the contract, will demand, take promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immaterial benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.

The BUYER will, during the pre-contract stage, treat BIDDERS alike, and will provide to all BIDDERS the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to the other BIDDERS.

All the officials of the BUYER will report the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the BUYER with the full and verifiable facts and the same prima facie found to be correct by the BUYER, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BUYER and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the BUYER the proceedings under the contract would not be stalled.

#### **4. COMMITMENTS OF THE BIDDER**

The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:-

The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage, or inducement to any official of the BUYER or otherwise in procuring the contract of forbearing. To do or having done any act in relation to the obtaining or execution of the contract or any other contract with the Government for showing or forbearing to show favour or disfavor to any person in relation to the contract or any other contract with the Government.

The BIDDER further confirms and declares to the BUYER that the BIDDER is the original Manufacturer/Integrator/Authorized government sponsored export entity of the stores and has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the BUYER or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.

The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payment he has made, is committed to or intends to make to officials of the BUYER or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.

The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.

The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.

The BIDDER shall not use improperly, for purpose of competition or personal gain, or pass on to others, any information provided by the BUYER as part of the business relationship, regarding plans, technical proposal and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

The BIDDER shall not instigate or cause to instigate any third person to commit any of the acts mentioned above.

#### **5. PREVIOUS TRANSGRESSION**

The BIDDER declares that no previous transgression occurred in the last three years immediately before signing of the Integrity Pact with any other company in any country in respect of any corrupt practices envisaged hereunder or with any public sector Enterprise in India or any Government Department in India that could justify BIDDER's exclusion from the tender process.

If the BIDDER makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

## **6. EARNEST MONEY (SECURITY DEPOSIT)**

Every BIDDER while submitting commercial bid, shall deposit an amount as specified in RFP as Earnest Money/Security Deposit, with the BUYER through Bank Draft in favour of Chhattisgarh Rajya Sahakari Dugdh MahasanghMaryadit.

The Earnest Money/Security Deposit shall be valid upto a period of five years or the complete conclusion of the contractual obligations to the complete satisfaction of both the BIDDER and BUYER, including warranty period, whichever is later.

In the case of successful BIDDER a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the provisions of Sanctions for violation shall be applicable for forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

No interest shall be payable by the BUYER to the BIDDER on Earnest Money/ Security Deposit for the period of its currency.

## **7. SANCTIONS FOR VIOLATIONS**

Any breach of the aforesaid provisions by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the BUYER to take all or any one of the following actions, wherever required:-

- (i) To immediately call off the pre contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceeding with the other BIDDER(s) would continue.
- (ii) To forfeit fully or partially the Earnest Money Deposit (in pre-contract stage) and/or security Deposit/Performance Bond (after the contract is signed), as decided by the BUYER and the BUYER shall not be required to assign any reason thereof.
- (iii) To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.
- (iv) To recover all sums already paid by the BUYER, and in case of the Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate While in case of a BIDDER from a country other than India with interest thereon at 2% higher than the LIBOR. If any outstanding payment is due to the BIDDER from the BUYER in connection with any other contract such outstanding payment could also be utilized to recover the aforesaid sum and interest.
- (v) To encash the advance bank guarantee and performance bond/warranty bond, if furnished by the BIDDER, in order to recover the payments already made by the BUYER, along with interest.
- (iii) To cancel all or any other contracts with the BIDDER and the BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such cancellation/ rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.
- (vii) To debar the BIDDER from participating in future bidding processes of the Government of Chhattisgarh for a minimum period of five years, which may be further extended at the discretion of the BUYER.
- (viii) To recover all sums paid in violation of this Pact by BIDDER(s) to any middlemen or agent or broker with a view to securing the contract.
- (ix) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the BUYER with the BIDDER, the same shall not be opened.
- (x) If the BIDDER or any employee the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is closely related to any of the officers of the BUYER, or alternatively, if any close relative of an officer of the BUYER has financial interest/stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of filling of tender. Any failure to disclose the interest involved shall entitle the BUYER to rescind the contract without payment of any compensation to the BIDDER.

The term close relative for this purpose would mean spouse whether residing with the Government servant or not, but include a spouse separated from the Government servant by a decree or order of a competent court; son or daughter or step son or step daughter and wholly dependent upon Government servant, but

does not include a child or step child who is no longer any in any way dependent upon the Government servant or of whose custody the Government servant has been deprived of by or under any law; any other person related, whether by blood or marriage, to the Government servant or to the Government servant's wife or husband and wholly dependent upon Government servant.

(xi) The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the BUYER, and if he does so, the BUYER shall be entitled forthwith to rescind the contract and all other contracts with the BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such rescission and the BUYER shall be entitled to deduct the amount so payable from the money (s) due to the BIDDER.

7.2 The decision of the BUYER to the effect that a breach of the provisions of this pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the Monitor(s) appointed for the purpose of this Pact.

**8 FALL CLAUSE**

The BIDDER undertakes that it has not supplied/is not supplying similar product/systems or subsystems at a price lower than that offered in the present bid in respect of any other Department of the Government of Chhattisgarh or PSU and if it is found at any stage that similar product/systems or sub systems was supplied by the BIDDER to any other Department of the Government of Chhattisgarh or a PSU at a lower price, than that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the BUYER , if the contract has already been concluded.

**9. INDEPENDENT MONITORS**

The BUYER will appoint Independent Monitors (hereinafter referred to as Monitors) for this Pact. The task of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact. The Monitors shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently. Both the parties accept that the Monitors have the right to access all the documents relating to the project/procurement, including minutes of meetings. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/ Subcontractor(s) with confidentiality. As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the BUYER. The Monitor will submit a written report to the designated Authority of BUYER/Secretary in the Department/within 8 to 10 weeks from the date of reference or intimation to him by the BUYER/BIDDER and, should the occasion arise, submit proposals for correction problematic situations.

**10. FACILITATION OF INVESTIGATION**

In case of any allegation of violation of any provisions of this Pact or payment of commission, the BUYER or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information of the relevant documents and shall extend all possible help for the purpose of such examination.

**11. LAW AND PLACE OF JURISDICTION**

This Pact is subject to Indian Law, the place of performance and jurisdiction shall be the seat of the BUYER.

**12. OTHER LEGAL ACTIONS**

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

**13. VALIDITY**

The validity of this Integrity Pact shall be from the date of its signing and extend up to 5 years or the complete execution of the contract to the satisfaction of both the BUYER and the BIDDER/Seller whichever is later. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of the signing of the contract.If one or several provisions of this Pact turn out to be invalid; the remainder of this Pact shall remain valid. In such case the parties will strive to come to an agreement to their original intentions.

14. The parties hereby sign this integrity Pact at ..... on .....

BUYER

BIDDER

Name of the  
Officer  
Designation  
Department/PSU

Name of the Bidder

Witness

Witness

1) .....  
.....

1).....  
.....

2) .....

2).....