



वेस्टर्न कोलफील्ड्स लिमिटेड Western Coalfields Limited

(मिनिरात्र कंपनी) (कोल इंडिया लि. की अनुषंगी कंपनी) (A Miniratna Company) (A Subsidiary of Coal India Limited)

विभाग/Department: संविदा प्रबंधन कक्ष /Contract Management Cell

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पंजी. का.: कोयला विहार, सिविल लाइन्स, नागपुर (महाराष्ट्र) -440001/Regd. Off. : Coal Estate, Civil Lines, Nagpur(MS) – 440001

Ref .No. WCL/GM(CMC)/2017/293

Date: 15.07.2017

// EXPRESSION OF INTEREST //

The reputed Service providers are invited to participate in the Expression of Interest meeting fixed on 2nd August 2017 at 11.00 AM, at 4th Floor, Conference Hall, Coal Estate, WCL,HQ, Civil Lines, Nagpur- 440001, on the implementation of redundant Multi Protocol Label Switching (MPLS) VPN Connectivity or any other latest Network technologies for 176 remote nodes spread across all the Areas of WCL in Maharashtra & Madhya Pradesh and a Central Hub at WCL HQ, Nagpur for a period of Five Years and its seamless integration with the existing MPLS VPN Network / IP Radio Network.

All the reputed Service providers are requested to please go through the broad technical requirement of WCL as per the enclosure and prepare the technical solution document for the Multi Protocol Label Switching (MPLS) VPN Connectivity or any other latest Network technologies for 176 remote nodes spread across all Areas of WCL in Maharashtra & Madhya Pradesh and a Central Hub at WCL HQ, Nagpur for a period of Five Years.

The service provider should submit their technical solution to the Office of GM(E&T), WCL HQ, Civil Lines, Nagpur by e mail at gms telecom@westerncoal.gov.in or gmeandm@westerncoal.gov.in, or gmcontracts@westerncoal.gov.in before 31st July 2017 and are requested to come prepared for a discussion in the EOI Meeting held on 2nd August 2017 at 11.00 AM to finalize the technology to be adopted by WCL at the above mentioned location.

GENERAL MANAGER (CMC)

Distribution:

1. GM(E&M)-HOD,WCL
2. GM(Systems), WCL, Nagpur : with a request to upload this EOI in the WCL website and to participate in the EOI meeting as mentioned above.

Expression of Interest (EoI) for Implementation of WAN Network of MPLS VPN Network or any other latest technologies for connectivity of 176 remote nodes spread across all the areas of WCL in Maharashtra and Madhyapradesh and a central hub at WCL HQ, Nagpur for the period of five years and its seamless integration with the existing MPLS VPN Network /IP Radio Network.

1. INTRODUCTION :

The Expression of Interest (EoI) is being floated by Western Coal Fields Ltd for the purpose of identifying reputed service providers who are willing to participate in building, commissioning, operating & maintaining the Redundant Wide Area Network for WCL at Nagpur HQ and 10 nos of Area HQ, 10 nos of Area Regional Stores, 1 no. Central stores, 133 nos. of Road weigh bridges and 22 nos of Rail Weigh bridges in WCL Command Area situated in Maharashtra & Madhya Pradesh along with seamless integration of the existing WAN Network of MPLS VPN of M/s Reliance Communications Ltd / IP Radio Network with robust, implementable, interoperable, innovative, cost effective and scalable technology solutions. Since Reliance communications Ltd is the existing service provider, the bids are invited from the reputed service providers other than M/s Reliance Communications Ltd.

The objective of this EoI is to identify efficient solution with a clear understanding of scope, approach, methodology, functional and technical architecture & other technical conditions as per the requirement of WCL with minimum time frame to complete the implementation of the system and Go-Live and can further operate and maintain the same for a period of five years from the date of Go-Live.

2. PROJECT BACK GROUND / BRIEF DESCRIPTION OF EXISTING MPLS VPN NETWORK & IP RADIO NETWORK:

At present MPLS VPN network of WCL is in operation since commissioning and is being maintained by M/s Reliance Communications Ltd. This MPLS VPN network comprises 22 nos of remote nodes (i.e AHQ & Regional Stores of All the ten Areas and Central Work Shop & Central Stores) with 4 Mbps bandwidth and a Hub at WCL HQ, Nagpur with 32 Mbps MPLS Cloud. This MPLS VPN network is used in WCL for all the online data applications & Coalnet applications etc. All the Road Weighbridges of WCL are also integrated with AHQ of the Areas with the IP Radio network. The detailed architecture of the present MPLS VPN Network and IP Radio Network is hereby enclosed at ANNEXURE 4.

3. OBJECTIVES OF EoI :

The following are the objectives of the EOI for establishing MPLS-VPN Network Connectivity of WCL HQ with the Areas:

- a) To establish redundant MPLS VPN network as detailed below :
 - i. 10 Mbps bandwidth each at all the 10 nos of AHQ of the Areas with last mile connectivity of OFC.
 - ii. 04 Mbps bandwidth each at all the 10 nos of Regional Stores of the Areas & 1 no. Central Stores, Tadali with last mile connectivity of OFC .
 - iii. 2 Mbps bandwidth at all the 133 nos of Road weighbridges and 22 nos of Rail Weighbridges with last mile connectivity of OFC / RF .
 - iv. One Hub will be at WCL HQ with 100 Mbps MPLS Cloud bandwidth with last mile connectivity of OFC. All these links to be seamlessly integrated with the existing WAN Network of MPLS VPN of M/s Reliance Communications Ltd / IP Radio Network.
- b) However, the prospective bidders can propose other technical feasible solutions for the above proposed network.
- c) To Identify reputed service providers/ Potential System Integrators / Implementation Agency / telecom infrastructure developer or involved in telecom infrastructure provisioning, large-scale voice or data connectivity implementation service Provider.
- d) WCL desires to manage the network and its infrastructure (IT and non-IT) through service Integrators as managed services, based on SLAs and KPIs (Key Performance Indicators). All equipment (IT and non-IT) may be provisioned on leased basis as feasible.
- e) Obtain confirmation as to how the service providers/system integrators would technologically, operationally provide and support these services.
- f) Obtain confirmation from the respondents on how they propose to provide for scalability, upgradability and interoperability of the solution to be deployed for minimum period of five (05) years.

4. PROPOSED SCOPE OF WORK :

The secured MPLS VPN Network is to be set up / established in WCL Command Area situated in Maharashtra & Madhya Pradesh. The network will comprise of MPLS connectivity from Centralised Hub at WCL HQ, Nagpur to 176 different locations situated in the state of Maharashtra and Madhya Pradesh . The details of MPLS network requirement are as follows

SL no.	Name of Location	Bandwidth & end requirement	Last mile media connectivity
1	AHQ of all the 10 nos of Areas	10 Mbps & end requirement such as Load balancing hardware & software, Router, 2 KVA Online UPS with batteries for 4 hours back up & other accessory equipments in a Rack.	OFC ONLY
2	Regional Stores of all the 10 nos. of Areas & Central Stores, Tadali	4 Mbps & end requirement such as Load balancing hardware & software, Router, 2 KVA Online UPS with batteries for 4 hours back up & other accessory equipments in a Rack.	OFC ONLY
3	133 nos of Road Weighbridges, 22 nos of Rail Weighbridges	2 Mbps & end requirement such as Load balancing hardware & software, Router & other accessory equipments in a Rack.	OFC / RF link
4	WCL HQ, Nagpur	100 Mbps & end requirement such as Load balancing hardware & software, Router & other accessory equipments required and NMS to establish network monitoring control room including necessary hardware & software with integration to LAN/Server for WCL HQ as per tender specifications in a Rack.	OFC ONLY

- a) All these links are to be used for online Data applications installed on Main Data Centre (MDC) at WCL HQ, Nagpur.
- b) The 100 Mbps links are to be used for connecting LAN at WCL HQ, Nagpur.
- c) The 10 Mbps links are to be used for connecting LANs at AHQ of all the Areas.
- d) The 4 Mbps links are to be used for connecting LANs at Regional Stores of all the Areas & Central Stores.
- e) The 2 Mbps links are to be used for weighment integration of the all Road /Rail Weighbridges with the central server.

- f) Since all the system users will be accessing MDC resources for online application, while setting up the network, provisions are to be made for increasing the bandwidth of a core link at MDC at WCL HQ from 100 Mbps to a higher value for quick responses from MDC to the user locations by avoiding data traffic congestion.
- g) Further, the successful bidder will ensure 100 % bandwidth availability for 24 x 7 working at all links. One no. 100 Mbps & all the 10 Mbps links & all the 4 Mbps links should be essentially be established using Optical Fibre Cable (OFC). It is to be noted that all AHQ, Regional & Central Stores of WCL are presently connected over MPLS VPN services provided to WCL by M/s Reliance Communications Ltd. Details of the existing MPLS VPN network service available in the WCL command Area through M/s Reliance Communications Ltd mentioned at annexure 4.
- h) The MPLS VPN network being established by the successful bidder will become the prime network service and the existing MPLS VPN service from M/s Reliance Communications Ltd will work as secondary service. The successful bidder will make necessary arrangements for seamless integration of the existing MPLS VPN service from Reliance and IP Radio Network with the proposed MPLS Network for auto failover and aggregated bandwidth sharing with necessary load balancing hardware & software at WCL HQ and all other 176 remote nodes.
- i) The last mile connectivity at the Hub at WCL, Nagpur, 10 remote nodes at AHQ of all the 10 nos of Areas & 11 remote nodes of Regional Stores/Central stores should be on OFC and also in redundant (Fail Safe) mode on OFC / RF.
- j) To establish a control room at WCL HQ, Nagpur with necessary tools and tackles, spare parts, other devices etc. The successful bidder should post at their own cost adequate experienced and qualified hardware / software resident engineers & support staff at Network Control Room at WCL HQ, Nagpur and in addition to the above at least one resident engineers for MP Region, two resident engineers for Wardha Valley Region & one resident engineer for Nagpur & Umrer Areas. Sufficient spares should be maintained by them to maintain 100 % network availability.
- k) To provide suitable Network Management Software (NMS) along with the required computer hardware (One lap top, one desk top with printer & one wall mounted LED Monitor of suitable size) at the control room for continuous monitoring of the network links status, available bandwidth and data traffic density.
- l) The MPLS VPN Network must be IP V 6.0 compliant.
- m) Integration of proposed MPLS VPN with the MPLS VPN of existing service provider and local IP Radio network should be the responsibility of the bidder.
- n) Detailed architecture of the proposed MPLS VPN Network is hereby placed at ANNEXURE '5'.
- o) Details of the 177 locations, BW requirement, Quantity & last mile connectivity placed at Annexure '6'.

- p) The bidder is required to execute an SLA for 100 % availability for Hub node & for all the other remote nodes (176 nos) with Bandwidth availability : 100% pure & un-contended bandwidth, Monthly Packet Loss : =< 0.1%, Site to site Latency : =< 100 ms
- q) **Contract Period :** The contract period (ie Rental Period) of 60 months for the hired network service will commence from the date of successful installation, commissioning and acceptance of one 100 Mbps link, all the 10 Mbps & 4 Mbps links and at least 85 % of the 2 Mbps links. The start date of the rental period shall be communicated to the successful bidder by WCL. However, for the balance links which will be installed, commissioned by the successful bidder and accepted by WCL later on, the end date of the contract will remain unchanged ie., the end date of the contract will be 60 months from the start date finalised by WCL & communicated to the successful bidder.
- r) **Liquidated damages (LD) :** If the successful bidder fails to complete the installation and commissioning of all the links within SIX (6) months period from the date of issue of the work order, liquidated damages shall be recovered from the outstanding bills of the successful bidder at the rate of 0.5 % of the total awarded value per week delay subject a maximum of 10 % of the awarded value of the contract.
- s) **Payment of Rental Charge :** Payment of rental charges will be made within 21 days after submission of bills on completion of each quarter. During the contract period rental charges payable after adjusting penalty if any, shall be computed every month as follows :
 Successful bidder is required to ensure 100 % availability for the contracted bandwidth on monthly basis separately for each network link covered under the contract. In case, the monthly availability falls below 99 % for a link penalty would be imposed on the successful bidder and the same would be deducted from the monthly rental charges payable to them.

Computation of monthly average bandwidth availability and penalty shall be done separately for each link on monthly basis as follows:

$$A = \{ (A1+A2+A3\dots+An) / B.N \} * 100$$

$$P=\{(99-A)/99\}*R$$

Where A = Monthly average bandwidth availability in % for a particular link.

A1,A2,A3... An represents daily average bandwidth availability for the day 1,2,3...n for the link, value n will be 28,29,30,31 as applicable for the particular month.

B= contracted guaranteed bandwidth (100 Mbps, 10 Mbps, 4 Mbps or 2 Mbps for that particular link.

N= Nos of days in the month.

P= amount of penalty to be imposed for the link.

R= contracted rate of monthly rental charge for the link.

In case the monthly average bandwidth availability falls below 95 % but is more than 90 %, the penalty imposed for the link will be double the amount calculated as above. The monthly average bandwidth availability must not fall below 90 % for any link in any case. If the availability falls below 90 % for any link, the rental charges for that month will not be payable.

t) Other terms and conditions:

1. The bidder shall carry out feasibility study for assessing the requirement and apprise themselves fully on the site conditions before submitting the solution.
2. Where ever the OFC & RF Radio are not feasible for the remote nodes, connectivity through VSAT may also be explored.
3. If One Time Charges are applicable shall be limited to 3 months recurring charges of first year recurring charges only.
4. Details of availability of own Optical Fibre Cable Network MPLS network must be provided.
5. Undertaking that, service provider has its own Optical Fibre Cable & will not use other telecom service provider network.
6. The vendor shall submit a document defining a MPLS POP. The definition of POP mentioned in this document should be true for all MPLS enabled POPs of vendor and not just any one POP.
7. A detailed technological description of class of service currently supported on this MPLS Core along with delay, jitter, packet loss and SLA matrix of each Class of Service.
8. The bidder should be able to provide MPLS VPN connectivity at all locations / offices. The bidder should have own NOC, mention details [location and address] of Primary and Backup NOC.
9. The NOC should be operational for at least Five years as on the date of this tender.
10. Lists of all such PoPs (at least in Maharashtra & Madhya Pradesh) along with the details like physical addresses, contact numbers etc. should be provided.
11. Whole MPLS VPN NW and its PoP, OFC backbone & Wire line/RF last mile should be own and would not dependant on others.
12. The bidder should have its own offices at Nagpur, Chandrapur, Yavatmal, Chhindwara & Betul, details would be submitted [Address, contact details, type of technical setup, type of support team, network setup etc]
13. Schematic Diagram with Architecture including Last Mile connectivity of all the locations of WCL to be connected to MPLS Node of Bidder [service provider] network. Should provide the details in following format,

Name of Locations	Type of Last Mile	Remarks

5. Network Monitoring System (NMS)

- a) The Network Monitoring System (NMS) proposed for WCL network should provide a robust set of applications for maintaining, monitoring and troubleshooting a broad-range of devices in network i.e. switches, routers, security management platforms, firewalls, IPS/IDS, wireless equipment, etc. NMS should be built upon popular Internet-based standards to enable network operators to manage the network more efficiently and effectively through a simplified browser-based interface that can be accessed anytime from anywhere within the network.
- b) The NMS should offer intelligent, discovery of network devices to create topology views of the network.
- c) The NMS should intelligently analyze fault conditions, detecting problems before they become network disruptions.
- d) The NMS should provide network response and availability information for networks
- e) The NMS should be able to log automatic call in case of critical events
- f) The NMS should be able to capture network and system logs and store them for a period of minimum one year.

6. Network Security

- a. Prospective Bidders should propose a detailed end-to-end security solution for detection, mitigation & prevention of network threats.
- b. Prospective Bidder to further ensure secured network access provisions for authorized users, secured data transaction between various offices, secured access to centralized applications, access through centralized VPN Gateway, filtered internet traffic, etc.
- c. Configuration and management of security infrastructure.

7. Training

Even though the maintenance, operation and management of the network will be the prime responsibility of the service provider, they shall provide comprehensive training for operation and management of this network to designated officials of WCL.

8. Acceptance Testing

A. Field Acceptance Test:

Once the system is installed and operating, it shall be tested by the service provider and witnessed by WCL. The Test shall be carried out as per the detailed test procedure supplied by Prospective Bidder/ Service Provider and approved by WCL office. Once the Tests get successfully performed, the temporary acceptance of the system will be given. Only then the system will be ready for 'Test Run'.

B. Test Run:

This Test aims at keeping the complete system in operation continuously for specific period of time to be defined later. In case of failure, the Tests will be re-started till the system operates without failure.

WCL shall have the right to reject the complete system or part thereof in the event(s) of the acceptance Tests failing in two attempts. The “Test Run” shall be carried out after the commissioning of complete system.

Various observations and test results obtained during the various tests shall be documented and produced in the form of a report by the Prospective Bidder/ Service Provider.

If malfunctions or failure of a unit or sub-system repeats, the Test shall be terminated and Prospective Bidder/ Service Provider shall replace the necessary components and assemblies to correct the deficiencies. Thereafter, the Test shall commence all over again from the start as mentioned above. If after this replacement, the unit or sub-system still fails to meet the specification, the Prospective Bidder/ Service Provider shall replace the complete unit or sub system with the one that meets the requirements and restart the tests all over again. All costs for repair/replacement of defective unit/component/system/sub-system shall be borne by the Prospective Bidder/ Service Provider.

9. DELIVERY SCHEDULE: Delivery of all the items offered by the successful bidder as part of the offered technical solution, their installation and commissioning including all associated work for setting up 176 remote nodes and one hub at WCL HQ, Nagpur will have to be completed by the bidder within SIX (6) months from the date of issue of firm work order. The commissioning period should be reckoned from the 10th day of order date.

10. Implementation Plan:

The prospective bidder should provide implementation plan by doing proper due diligence to minimize post-award risks

11. Implementation model

Once the implementation is completed and accepted by Western Coalfields Limited, the maintenance and operation of the entire network will start. The maintenance period envisaged is five (5) years.

12. General Eligibility

The prospective bidder should be in the business of Electronic communication networking and involved in electronic communication network implementation, telecom infrastructure development or provisioning, large-scale voice or data connectivity implementation/integration, internet service provisioning in multiple cities or multiple states, core or backbone layer telecom equipment manufacturing and other business of similar nature for at least the past 5 years.

13. Availability of EoI document

The EoI document can be downloaded from the WCL Web Portal i.e. www.westerncoal.gov.in (**WCL website of <http://westerncoal.gov.in>**) Prospective EoI participants are requested to please contact the following address for any queries related to EoI document:

GM(CMC), WCL HQ, Civil Lines, Nagpur 440001

Email : gmcontracts@westerncoal.gov.in

14. Performance bank guarantee - Successful bidder shall have to submit a performance bank guarantee for an amount equivalent to 10% of total value (including taxes). The Bank guarantee shall be valid for a period of 60 months.

15. EoI Pre qualification Criteria:

1. The prospective bidder should have the capability to implement the project in geographical spread, industry experience, requisite manpower of required qualification and experience, project management skills and quality/level of work. Respondent should have proven record in implementing heterogeneous system integration projects, WAN connectivity and Data centre/Network operating centre projects.
2. The prospective bidder should be a National Long Distance Service provider / USAL Licence approved / licensed by Government of India (GOI) having its own MPLS VPN network business & shall be valid for entire contract period from the date of Bid closing. Copy of NLD license submitted with the bid must have validity period mentioned on it.
3. In case of consortium all the members shall be equally responsible to complete the project; however prime Prospective Bidder/Service provider shall give an undertaking for successful completion of the project. In case of any issue, prime Prospective bidder/Service provider would be responsible for all the penalties.
4. A bidding company/corporation cannot be a part of more than one consortium. Any member of consortium cannot bid separately as a sole Prospective Bidder/Service provider. The prospective Bidder/Service provider (all consortium partners) must have company registration certificate, Registration under labour law as & contract act, valid GST registration and Income tax return with audit report from CA. Prospective bidder/Service provider shall also provide an attested copy of all the above mentioned certificate along with this bid document.
5. In case the bidder's license expires less than contracted period from the Bid Closing Date, the bidder must submit a written undertaking to WCL along with the bid that he will renew his license at least for the period of coverage required by WCL.

6. The scope of work of the bidder shall be up to bidder router, load balancing hardware & software at customer end & will configure dynamic protocol if required in future.
7. The intending tenderer/prime bidder must have experience of having successfully completed similar works during last seven years ending last day of month previous to the one in which bid application are invited should be either of the following:

The bidder must have in its name or proportionate share as a member of JV/Consortium, the experience of having successfully executed (includes completed / ongoing) works of similar nature (such as Implementation of WAN Connectivity through MPLS VPN Network or any other latest technologies, etc) *valuing 65%* of the annualized *estimated* cost of the work put to tender (for period of completion over 1 year) / 65% of the estimated cost of the work (for completion period up to one year) put to Tender in any year (consecutive 365 days) during last 7(seven) years ending last day of month previous to the one in which bid applications are invited.

“Annualised value” of the work shall be calculated as the “Estimated Cost/Period of completion in Days x 365”.

The cost of executed works shall be given a **simple** weightage to bring them at current price level by adding 5% for each completed year (total number of days/365) after the end date of experience **till the last day of month** previous to one in which e-Tender has been invited

8. It is to be noted that in case of non compliance of any of the above issue mentioned in EoI pre-qualification criteria , the response will be summarily rejected without entertaining any clarification from the Prospective bidder/Service provider.

The prospective Bidder/Service provider has to qualify the above criteria. Failing in any one will lead to disqualification.

16. Submission of EoI response:

16.1.EoI Response format:

The Prospective Bidder/ Service Provider should submit response to the EoI with the following information:

- a) The covering letter on the Official Letter Head
- b) Completion of projects of prescribed nature and size (Annexure-1)
- c) Profile of EoI participants (Annexure-2)
- d) Proposed solution with Methodology to be followed, Solution Architecture, Functional Architecture, Platform proposed and Implementation Plan (Annexure-3).

Documents pertaining to proposed solution with Methodology are to be followed by Solution Architecture, Functional Architecture, Platform proposed and Implementation Plan.

16.2. Schedule of events

The EoI Participants are requested to note that dates mentioned in the schedule of events WCL reserves rights to modify these dates at any time.

Sl	Event	Time line
1	Publication of Expression of Interest (EoI)	
2	Last Date and time for Submission of EoI response	31 st July 2017 3.30 PM
3	Date and time of opening of EoI response	31 st July 2017 at 4.30 PM
4	Discussion with the Prospective Bidder/ Service Provider	2 nd August 2017 at 11.00 AM

16.3. Terms and conditions of Bidding Firms

The EoI Participants should accept all the terms and conditions given in the EoI Document. EoI

Participants must state categorically whether or not the offer conforms to requirement specifications and schedule of requirements and indicate deviations.

- The eligible and interested vendors may send detailed response with EOI in the prescribed format (PLEASE DO NOT ENCLOSE ANY COMMERCIAL)
- Any EOI received by WCL Office after the deadline of submission of EOI will not be considered. In the event of the specified date and time of the EOI, being declared a holiday for WCL Office, the EOI will be received up to the appointed time on the next full working day. Extension of submission date and time will be at the sole discretion of WCL.
- Response to the EOI from the respondents should be submitted in a sealed envelope, superscribed with the words EXPRESSION OF INTEREST FOR BUILDING, COMMISSIONING, OPERATING & MAINTAINING THE WIDE AREA NETWORK FOR WCL Respondents should provide one (1) hard copy and one (1) electronic (soft) copy of the response.
- All information contained herein and the enclosures are confidential information. By accepting this material the recipient agrees that the information will be held in confidence and will not be reproduced, disclosed or used in whole or in part without prior permission of WCL.
- During evaluation and finalization of the EoI, WCL may, at its discretion, ask the Prospective Bidder/ Service Provider for any clarification on its EOI. The request for clarification and the response shall be through e-mail followed by letter in writing.

- Notwithstanding anything contained in any of the clauses in this EOI, WCL reserves its right to accept or reject any EOI, and to annul each or all the EOI processes and reject all the EOI at any time prior to issuing the RFP without thereby incurring any liability to the affected Prospective Bidder/ Service Provider, or any obligation to inform the affected vendor or vendors of the grounds for WCL action.
- Any assumptions made by the Bidder in response of this request for EOI will be their own risk and cost. WCL will not be liable for any such assumptions / representations made by the Vendors.

16.4 Clarifications

If deemed necessary, WCL may seek clarifications on any aspect from the participating agency.

WCL will ask the EoI Participants to make a presentation for the purpose of clarification of the tender. All expenses for this purpose, as also for the preparation of documents and other meetings, will be borne by the prospective bidders.

16.5 Presentation of solution:

The detail and in depth presentation of the solution proposed in EoI will be done as such the prospective bidder should provide an extensive solution understanding of the project. The presentation should contain all the points mentioned in the proposed solution. The presentations may be used in the EoI to select the best of available solution(s) for the WCL project.

Indicative functionalities are provided in the document, WCL may seek technical clarification from any vendor during the solution understanding or presentation stage.

16.6 The information submitted in the response to the EoI may be subjected to public release (As per RTI norms). Vendors responding to this notice assume the risk of public disclosure if confidential information is included.

The EoI does not constitute a commitment to offer of a Contract or prospective contract. WCL shall not be liable for any cost incurred by any potential vendor / service provider in preparation and submission of information in response to this EOI.

ANNEXURE1

	PROJECT NAME	
1	Implementation Agency / System Integrator /Service provider/ telecom infrastructure developer or provisioning, large- scale voice or data connectivity implementation/integration, internet service provider	
2	Customer's Name	
3	Scope of the Project	Provide scope of the project, highlight Key Result Areas expected and achieved
4	Value of Project	
5	Did the project involve maintenance and operations	YES / NO
6	Completion certificate	YES / NO
7	Satisfactory Work In Progress (WIP) certificate in case the project is not complete	YES / NO
8	Customer Contact Person's detail	
9	Name	
10	Designation	
11	Email	
12	Phone	
13	Fax	
14	Mailing address	

Attach Authenticated supportive Documents:

ANNEXURE2 – PROFILE OF EoI PARTICIPANTS

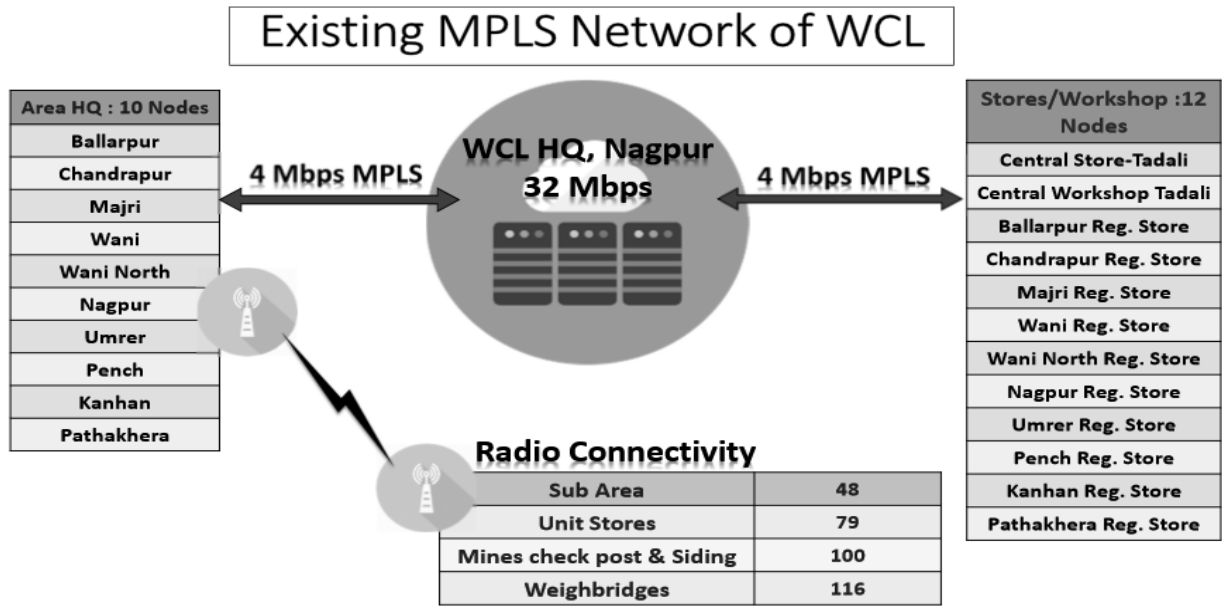
No.	Particulars	Details to be furnished
I	Details of the Bidder	
	Company Name	
	Address	
	Telephone / Fax	
	E-mailWebsite	
II	Details of Authorized person	
	Name	
	Address	
	Telephone / Email	
	Fax	
	Website	
	Email	

ANNEXURE3 PROPOSED SOLUTION

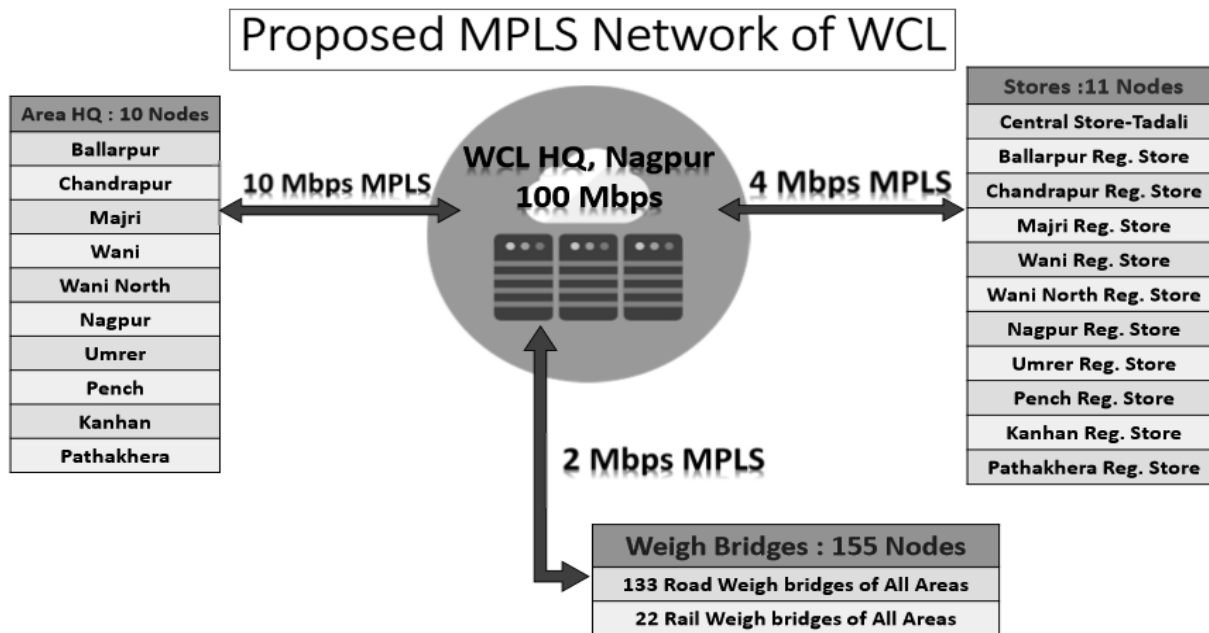
The Response of EoI should include all the following points also as a part of the Proposed Solution document.

1. Compliance on understanding of the requirement and proposed Functional Requirement Specification as per EoI document.
2. Detailed Project Plan, Approach and Methodology, Migration Plan, etc. are to be furnished.
3. Enterprise Solution should have an Indicative Bill of Material with quantity and indicative cost of the project including the licenses required, bandwidth, Network Management Software, implementation, service and support for the entire solution footprint for five years.
4. Scalability, Redundancy, Tolerance, Performance and Manageability of the solution.
5. Minimum indicative number of resources/manpower to support the project
6. Solution should be designed based on the Project objective, Functional requirement and scope of work etc.

ANNEXURE 4



ANNEXURE 5



ANNEXURE 6
DETAILS OF LOCATIONS, BANDWIDTH, QTY, LAST MILE CONNECTIVITY

AREA	LOCATIONS	BANDWIDTH	QUANTITY	LAST MILE
				Connectivity
WCL HQ,Nagpur	WCL HQ	100 Mbps	1	OFC
BALLARPUR	AHQ	10 Mbps	1	OFC
	REGIONAL STORES	4 Mbps	1	OFC
	ROAD WEIGHBRIDGES	2 Mbps	14	OFC / RF
	RAIL WEIGHBRIDGES	2 Mbps	2	OFC / RF
CHANDRAPUR	AHQ	10 Mbps	1	OFC
	REGIONAL STORES	4 Mbps	1	OFC
	ROAD WEIGHBRIDGES	2 Mbps	17	OFC / RF
	RAIL WEIGHBRIDGES	2 Mbps	3	OFC / RF
WANI	AHQ	10 Mbps	1	OFC
	REGIONAL STORES	4 Mbps	1	OFC
	ROAD WEIGHBRIDGES	2 Mbps	22	OFC / RF
	RAIL WEIGHBRIDGES	2 Mbps	2	OFC / RF
	CENTRAL STORES, TADALI	4 Mbps	1	OFC
WANI NORTH	AHQ	10 Mbps	1	OFC
	REGIONAL STORES	4 Mbps	1	OFC
	ROAD WEIGHBRIDGES	2 Mbps	15	OFC / RF
	RAIL WEIGHBRIDGES	2 Mbps	2	OFC / RF
MAJRI	AHQ	10 Mbps	1	OFC
	REGIONAL STORES	4 Mbps	1	OFC
	ROAD WEIGHBRIDGES	2 Mbps	10	OFC / RF
	RAIL WEIGHBRIDGES	2 Mbps	2	OFC / RF
UMRER	AHQ	10 Mbps	1	OFC
	REGIONAL STORES	4 Mbps	1	OFC
	ROAD WEIGHBRIDGES	2 Mbps	9	OFC / RF
	RAIL WEIGHBRIDGES	2 Mbps	2	OFC / RF
NAGPUR	AHQ	10 Mbps	1	OFC
	REGIONAL STORES	4 Mbps	1	OFC
	ROAD WEIGHBRIDGES	2 Mbps	16	OFC / RF
	RAIL WEIGHBRIDGES	2 Mbps	3	OFC / RF
PENCH (MP)	AHQ	10 Mbps	1	OFC
	REGIONAL STORES	4 Mbps	1	OFC
	ROAD WEIGHBRIDGES	2 Mbps	15	OFC / RF
	RAIL WEIGHBRIDGES	2 Mbps	3	OFC / RF
KANHAN (MP)	AHQ	10 Mbps	1	OFC
	REGIONAL STORES	4 Mbps	1	OFC
	ROAD WEIGHBRIDGES	2 Mbps	10	OFC / RF
	RAIL WEIGHBRIDGES	2 Mbps	3	OFC / RF
PATHERKHERA(MP)	AHQ	10 Mbps	1	OFC
	REGIONAL STORES	4 Mbps	1	OFC
	ROAD WEIGHBRIDGES	2 Mbps	5	OFC / RF
	RAIL WEIGHBRIDGES	2 Mbps	0	OFC / RF
	TOTAL LOCATIONS		177	