



Expression of Interest (EoI)

FOR

**IDENTIFYING LATEST TECHNOLOGY IN
DESKTOPS/WORK STATIONS/ THIN CLIENTS FROM OEMs**

Reference No. CIL/SYS/5094

Dated: 22.01.2021

1. Introduction

This Expression of Interest (EoI) is being floated by Coal India Limited for the purpose of identifying Latest Technology in Desktops/Work Stations/ Thin Clients from OEMs who are willing to participate in procurement of Desktop PCs/Workstations/Thin clients and Multi Functional printers for Coal India Ltd's Headquarter at Kolkata with robust, cost effective and scalable technology options.

The objective of this Expression of Interest (EoI) is to identify efficient solutions with a clear understanding of the scope, approach and technical architecture & other technical conditions as per the requirement of Coal India Ltd for a period of five (5) years.

2. Project Background

Coal India Ltd's Headquarter at Kolkata is going to procure some desktops / Workstations/Thin Clients through GeM with optimum feasible Technology solutions from OEMs to run SAP/CoalNet, Web applications, Antivirus for client, Power BI used by few users, AutoCAD for Project Monitoring department, Microsoft Office and Web portals.

3. Objectives of EoI

The following are the objectives of the EOI for procuring some Desktops / Workstations/Thin Clients and Multi Functional printers through GeM for Coal India Ltd's Headquarter at Kolkata:

- i. Prospective OEMs can propose Technical feasible solution for procurement of desktops / Workstations/Thin Clients and Multi Functional printers through GeM
- ii. OEMs may submit their interest along with the technical proposal.
- iii. No commercial offer should be provided with this EOI.
- iv. Obtain confirmation as to how the service providers/system integrators/OEMs would technologically, operationally provide and support these services.
- v. OEMs should provide their expression of Interest along with the technical proposal. The technical proposal should include complete details by complying minimum specifications (as mentioned in scope of work) of Desktops/Work Stations/ Thin Clients and Multi Functional printers. It should be submitted with supportive documents with justification and reasons for accepting or not accepting any of the categories Desktops/Work Stations/ Thin Clients MFP to run SAP/CoalNet, Web applications, Antivirus for client, Power BI used by 6 employees, AutoCAD for Project Monitoring department, Microsoft Office and Web portals.

- vi. The minimum required specifications for the proposed solution/infrastructure are mentioned in Scope of Work. If OEM feels that any of specification is inadequate, they can add/modify on with remarks and supporting document.
- vii. OEMs should confirm compliance with each of the specifications/ in the respective columns with documentation (if any) to support the same.

4. Proposed Scope of Work

Following are the minimum required specifications for the proposed solution/infrastructure. OEMs can confirm compliance with each of the specifications/ in the respective columns with documentation to support the same.

Any other item required to complete the solution should be explicitly mentioned in technical offer. Any special remark may be provided. If better specification is to be provided then corresponding documentary proof with proper justification should be attached.

4.01 Minimum Specifications for Computer Hardware (Desktops/Work Stations/ Thin Clients)

Items	TYPE-1 Normal 90 nos(Approx)	TYPE-2 (10Nos.) (Approx) High End	Compliance (Y/N)	Spec of Thin Clients	Spec of Work Stations
Minimum Specifications					
Processor Make	Intel, AMD	Intel, AMD			
Processor Generation	10 or higher	10 or higher			
Number of Cores per Processor	6 or higher	6 or higher			
Processor Base Frequency (GHz)	3.1, 3.6 or higher	2.9, 3.6 or higher			
Processor Description	Intel core i5 , AMD Ryzen 5 or higher	Intel core i7 , AMD Ryzen 7 or higher			
Motherboard & Chipset Series	B & Q Series Or Similar	B & Q Series Or Similar			
Graphics Type	Dedicated/Discrete	Dedicated/Discrete			

Size of Memory in Case of Dedicated Graphic Card (GB)	1 or higher	4 or higher			
Operating System (Factory Pre-Loaded)	Windows 10 Professional or latest	Windows 10 Professional or latest			
OS Certification	Windows	Windows			
RAM Size (GB)	16 or higher	16 or higher			
RAM Expandability up to(using spare DIMM Slots in GB)	64,128 or higher	64,128 or higher			
Type of Drives used to populate the Internal Bays	HDD	HDD, SSD			
Total HDD Capacity (GB)	1000 or higher	1000 or higher			
Total SSD Capacity (GB)	0	128 or Higher			
Cabinet Form Factor	SFF	SFF			
Cabinet Volume (Litres)	7-13 Ltr. (less than 10 Litres)	7-13 Ltr. (less than 10 Litres)			
Optical Drive	DVD R/W	DVD R/W			
Wireless Connectivity	Yes	Yes			
Number of Ethernet Ports	1 or higher	1 or higher			
Bluetooth Connectivity	Yes 4.2, or higher	Yes 4.2, or higher			

Number of USB Version 2 Point 0 Ports	8 (Min. 3Nos. USB 3.1 & 1 Type C)	8 (Min. 3Nos. USB 3.1 & 1 Type C)			
Number of USB Version 3 point 0 / 3 point 1, Gen 1 Ports					
Number of USB Version 3 point 1, Gen 2 Ports					
Number of USB Type C Ports					
Number of Serial Ports	1	1			
Number of Parallel Ports	0	0			
Number of VGA Ports	1	1			
Number of HDMI Ports	1	1			
Number of DP Ports	0	0			
Monitor					
Model of the Monitor	OEM	OEM			
Monitor Technology	IPS or higher	IPS or higher			
LED Backlit Monitor Size (INCHES)	21.5 or higher	21.5 or higher			
Monitor Resolution (PIXELS)	1920x1080 or higher	1920x1080 or higher			
TCO Certification for Monitor	nil	nil			

Availability of Webcam integrated with Monitor	Yes FHD	Yes FHD			
Availability of Speakers integrated with Monitor	Yes 2 nos	Yes 2 nos			
Type of Mouse	Wired Optical Scroll	Wired Optical Scroll			
Type of Keyboard	Wired Standard	Wired Standard			
On Site OEM Warranty (Year)	5 or higher	5 or higher			
Cost Estimate					

4.02 Minimum Specifications for Computer Hardware Multi Functional Printers

SPECIFICATION	MF with Fax	Compliance (Y/N)	Remarks
Type of Machine	Multifunction Machine		
Print Technology	Laser		
Type of Printing	Mono		
Cartridge Technology	Composite Cartridge/ Separate Drum and Toner		
Platen/Flatbed Size	A4		
Paper Size (Original/Image)	A4/Legal		
RAM size (MB)	512 or higher		
Hard Disk Capacity(GB)	0		
Minimum Speed per Minute as per ISO/IEC 24734 in A4 Size-Mono	38 or higher		
Minimum Speed per Minute as per ISO/IEC 24734 in A4 Size-Colour	0		
Minimum Speed per Minute as per ISO/IEC 24734 in A3 Size-Mono	0		
Minimum Speed per Minute as per ISO/IEC 24734 in A3 Size-Colour	0		
Scanning Feature Availability	Yes		
Original Document Feeder Type	DADF/RADF/SPDF		
Duplexing Feature Availability	Yes		
Faxing Feature Availability	yes		
Networking Feature Availability	Yes		

If yes, Type of Network Interface	Ethernet 10/100		
Wi-Fi Availability	Yes(No Additional / optional WiFi module will be accepted)		
If yes,Wi-Fi Type	Wi fi 802.11 b/g/n & Wi Fi Direct		
Feeder Capacity (Number)	50 or higher		
Number of Main Paper Tray	1		
Each Main Paper Tray Capacity (Number)	250		
Bypass Facility	Yes		
If Yes, Bypass Tray Capacity	1		
Yield of the cartridge/Ink Tank/Ink Pack supplied with Machine as per ISO/IEC: 19798/2007(E) for Cyan colour (Number of prints)	0		
Yield of the cartridge/Ink Tank/Ink Pack supplied with Machine as per ISO/IEC: 19798/2007(E) for Yellow colour (Number of prints)	0		
Yield of the cartridge/Ink Tank/Ink Pack supplied with Machine as per ISO/IEC: 19798/2007(E) for Magenta colour (Number of prints)	0		
Yield of the cartridge/Ink Tank/Ink Pack supplied with Machine as per ISO/IEC: 19752/2004(E) for Black (Number of prints)	3000 or higher Another Toner of yield Capacity 8000 or higher to be supplied along with the printer		
Life of Drum in terms of number of Prints in case of Separate Drum and Toner cartridge technology - Cyan (Number of Prints)	0		
Life of Drum in terms of number of Prints in case of Separate Drum and Toner cartridge technology - Yellow (Number of Prints)	0		
Life of Drum in terms of number of Prints in case of Separate Drum and Toner cartridge technology - Magenta (Number of Prints)	0		
Life of Drum in terms of number of Prints in case of Separate Drum and Toner cartridge technology - Black (Number of Prints)	0		
Duty Cycle (No of Prints/month)	50000 or higher		
BIS Registration under CRS of Meity	Yes		
Other Certifications Available	RoHS		

viii. Minimum Specification of Thin Clients and Work Stations may be provided separately complying each of the specification mentioned above. If OEM feels that any of specification is inadequate, they can add/modify on with remarks and supporting document.

Note : Quantity may change at the time of tendering.

4.03 Specification for Microsoft Software

Any requirement of Licenses for Thin Clients and Work Stations may be specified in detail :

Product Name	Product Description	Qty	Compliance (Yes/No)	Remarks (If any)
Microsoft server license				
Microsoft remote client access license				
Microsoft server client access license				
Microsoft Office	MS-Office Standard latest version			

Note : If any Other License is required then it should be clearly mentioned in the above table.

4.04 Terms and Conditions

Sr. No.	Statement	Compliance (Yes/No)	Remarks (If any)
1	OEM may be invited for presentation of proposed solution and demonstration of the proposed solution as per schedule 6.2		
2	OEMs shall submit technical details as per above requirement complete in all respects.		
3	Any anticipated problem or prerequisites should be clearly mentioned in the technical details.		
5	OEM should submit supporting Documents (if any) along with justification w.r.t. the offered solution giving all technical details.		

6	OEM must not quote specifications which are declared 'end of sale' or 'end of support' by OEM in next 5 years.		
7	OEM must have EPEAT India Certification for PC		
8	Cabinet size: SFF with volume less than 10 litres		
9	OEM should have ISO 9001, 20000 & 27001 Certificate		
10	For MFP, another Toner of yield Capacity 8000 or higher to be supplied along with the printer		
11	Coal India reserves the rights to procure the complete or partial solution		

5.0 EOI Submission Model

OEM should submit the offer in soft copy

- (a) Expression of Interest Letter
- (b) Technical offer with terms and conditions
 - a. OEM should submit a letter explicitly mentioning their expression of interest in participating in the project duly signed with office stamp.
 - b. Technical offer should cover
 - i. Architecture, deployment, interface with all components, data flow diagram among various components (if any), data communication, existing data migration, installation for offered solution.
 - ii. Supporting documents qualifying OEM and Solution Provider.
 - iii. OEMs should submit their compliance (Yes/No) with each of the specification in above section 4.0 in the respective column. Any special remark may be provided. If better specification is provided then corresponding documentary proof should be attached.
 - iv. OEM designated personnel should put signature with stamp on each page.

5. General Eligibility conditions and Instructions to Prospective OEMs

5.1 Procedure for submission for EoI

The EoI shall be submitted containing the response in soft copy through email or "Response" folder in the <https://coalindiatenders.nic.in> portal and should be submitted to Coal India at the address given below:

K. Rakshit, Chief Manager (System),
Premises-04 MAR , Plot No – AF III
Action Area-IA, New Town
Rajarhat, Kolkata-700156
Email: krakshit.cil@coalindia.in

5.2 General Eligibility

The prospective OEM should be in the business of Computer Hardwares and have registration in GeM.

5.3 Availability of EoI document

The EoI document can be downloaded from the Coal India Web Portal i.e. www.coalindia.in or <https://coalindiatenders.nic.in>. Prospective EoI participants are requested to please contact the following address for any queries related to EoI document:

K. Rakshit
Chief Manager (System),
Premises-04 MAR , Plot No – AFIII
Action Area-I, New Town
Rajarhat Kolkata
Email krakshit.cil@coalindia.in

6. Submission of Eoi response

6.1 Eoi Response format

The Prospective OEMs should submit response to Eoi with information mentioned in 5.0

6.2 Schedule of events

The Eoi Participants are requested to note that dates mentioned in the schedule of events Coal India Ltd. Kolkata reserves rights to modify these dates at any time.

S. No.	Event	Timeline
1.	Publication of Expression of Interest (Eoi)	22-01-2021
4.	Last Date and time for Submission of Eoi response	04-02-2021 by 2.00 PM
5.	Date and time of opening of Eoi response	05-02-2021 at 2.00 PM
6.	Discussion with the Prospective OEM	10-02-2021 to 11-02-2021 at 11.00 am

6.3 Terms and conditions of OEMs

- The eligible and interested vendors may send detailed response with EOI in the prescribed format by 14:00 hours on or before 4th **February 2021** (PLEASE DO NOT ENCLOSE ANY COMMERCIAL PROPOSAL)
- Response to the EOI from the respondents should be submitted in soft copy superscribed with the words "EXPRESSION OF INTEREST FOR IDENTIFYING LATEST TECHNOLOGY IN DESKTOPS/WORK STATIONS/ THIN CLIENTS FROM OEMs FOR COAL INDIA LTD'S HEADQUARTER AT KOLKATA" .
- Respondents should provide one (1) electronic (soft) copy of the response through portal or email.

6.4 Clarifications

If deemed necessary, Coal India may seek clarifications on any aspect from the participating OEMs. Coal India 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 OEMs.

6.5 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 Coal India Ltd. project.

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

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

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

ANNEXURE 1 – PROFILE OF EoI PARTICIPANTS

No.	Particulars	Details to be Furnished		
I	Details of the OEM			
	Company Name			
	Address			
	Telephone		Fax	
	E-mail		Website	
	Details of Authorized person			
	Name			
	Address			
	Telephone		Email	

ANNEXURE 2 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, implementation, service and support for the entire solution footprint for five years.
4. Scalability, Redundancy, Tolerance, Performance and Manageability of the solution (if any).
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.