

No.	Parameter	Minimum Specifications	Compliance (Y/N)
14	Other features	RS232/ IP control (with loop through) - flicker free image on the Large Screen Graphics Wall Should be supplied with necessary display controller (if required), to support viewing of the video feeds of multiple cameras It is preferred to have the Video Wall, Controller and VMS from a single OEM for better integration and performance.	

Video Wall Controller

No.	Parameter	Minimum Specifications	Compliance (Yes/No)
1	Controller	Controller to control Video wall in a matrix as per requirement along with software	
2	Redundant Controller	The controller should be based on the latest architecture.	
3	Platform	Windows 10 or better / OEM	
4	Processor	Xeon with 3.2 GHz or higher-end processor	
5	RAM	Minimum 32 GB expandable to 64 GB	
6	Chassis Type	19" Rack mount industrial chassis	
7	Network	2 Network Ports or higher	
8	Resolution Support For Outputs	Each o/p should have 4K support	
9	Ticker	There should be a possibility in the controller to create user-defined multiple tickers. It should also be possible to place these tickers anywhere on the wall	
10	Scalability	The system should be able to add additional inputs as required in the future	
11	Control	The system should have the capabilities of interacting (Monitoring & Control) with various applications on different network through the single Operator Workstation. It shall be possible to launch layouts, change layouts in real time using Tablet	
12	Keyboard & Mouse Extension	Keyboard and Mouse along with mechanism to extend them to 20 Mtrs. operator desk from display controller to be provided	
13	24 x 7 operation	The controller shall be designed for 24 x 7 operation	
14	Redundancy	Redundant controller should be provided	
15	Central controller	A dedicated control appliance with a network	

No.	Parameter	Minimum Specifications	Compliance (Yes/No)
		interface shall constantly monitor and communicate with each LCD panel to adjust its individual colors and brightness to a common value via a network switch and Cat 5/6 cables pulled to the RJ45 connector on each panel.	
16	Others	The Video Wall and the Controller should be of the same make to ensure better performance and compatibility	
		The Display Modules, Display Controller & Software should be from a single OEM.	
		SI shall provide all the necessary cables and connectors, so as to connect Controller with Display units	

Video Wall Management Software

No.	Parameter	Minimum Specifications	Compliance (Yes/No)
1	Layouts	The software should be able to pre-configure various display layouts and access them at any time with a simple mouse click or schedule/timer based.	
2	Sources	The software should be able to display multiple sources anywhere on video wall in any size.	
3	Remote Viewing	The video wall content will be able to show live on any remote display Mobile with IE	
4	User management	Key Features of Video Wall Management Software	
		• Central configuration database	
		• Browser-based user interface	
		• Auto-detection of network sources	
5	Software features	• Online configuration of sources, displays and system variables	
		Video Wall Control Software shall allow commands on wall level or cube level or a selection of cubes :	
		• Switching the entire display wall on or off.	
		• Setting all projection modules to a common brightness target, which can be either static (fixed) or dynamic to always achieve maximum (or minimum) common brightness between projection modules.	
6	Client & Server based	• Fine-tune color of each cube	
		Should support Multiple clients / Consoles to control the Wall layouts	
7	Collaboration	The Software should be able to share layouts b/w available	

No.	Parameter	Minimum Specifications	Compliance (Yes/No)
		different video walls on same network as well as preview of sources on the workstation	
8	Scaling	Software should enable the user to display multiple sources (both local & remote) up to any size and anywhere on the display walls (both local & remote).	
9	Display	The software should be able to create layouts and launch them as and when desired	
10	Remote Control	The Display Wall and sources (both local & remote) should be controlled from Remote PC through LAN without the use of KVM Hardware.	
11	Support of Meta Data	Software should support display of Alarms	
12	Authentication	The software should provide at least 2 layer of authentication	
13	Scenarios	Software should be able to Save and Load desktop layouts from Local or remote machines	
14	Layout Scheduler	All the Layouts can be scheduled as per user convince.	
15	Layout Scheduler	Software should support auto launch of Layouts according to specified time event by user	
16	Layout Management	It should be possible to create layouts comprising of screen scrapped content of Workstations, DVI inputs, Web sources, URLs configured as sources. Layouts can be pre-configured or changed in real time	
17	Layouts Configuration	Can be pre-configured or changed in real time	
18	Scheduling	It should be possible to schedule specific Layout based on time range	
19	Sharing & Collaboration	It should be possible to share the layouts over LAN/WAN Network with Display in Meeting room or on Remote Workstations connected on LAN/WAN Network	
20	Soft KVM	The system shall include complete Soft KVM to permit operators to take mouse & keyboard control of Displays, Screen Scrapped applications and DVI source	
21	Ticker	It should be possible to create two separate Tickers which run concurrently. These can be positioned at top or bottom and can run independently. The Ticker can be picked from data source through screen scrapping or through typing specific incidence, manually	
22	Others	The Display Modules, Display Controller & Software should be from a single OEM.	
23	Software	The Software Should be able to:	
		Switch On & off each Displays on site and remotely	
		Switch On & off the entire wall on site and remotely	
		Select the input interface on site and remotely	
		Automatically switch the to another input if the currently	

No.	Parameter	Minimum Specifications	Compliance (Yes/No)
		used input is failing	

Monitoring Workstation for State and District CCC

#	Parameter	Minimum Specifications	Compliance (Yes/No)
1	Processor	Latest generation 64bit X86 Quad core processor(3Ghz) or better	
2	Chipset	Latest series 64bit Chipset	
3	Motherboard	OEM Motherboard	
4	RAM	Minimum 16 GB DDR3 ECC Memory @ 1600 Mhz. Slots should be free for future upgrade. Minimum 4 DIMM slots, supporting up to 32GB ECC	
5	Graphics card	Minimum Graphics card with 4 GB video memory (non-shared). It should support 3 monitors simultaneously with no degradation in video quality	
6	HDD	1 TB SATA-3 Hard drive @7200 rpm with Flash Cache of 64GB SSD	
7	Media Drive	NO CD / DVD Drive	
8	Network interface	10/100/1000 Mbps autosensing on board integrated RJ-45 Ethernet port.	
9	Audio	Line/Mic IN, Line- out/Spr Out (3.5 mm)	
10	Ports	Minimum 6 USB ports (out of that 2 in front)	
11	Keyboard	104 keys minimum OEM keyboard	
12	Mouse	2 button optical scroll mouse (USB)	

Office Productivity Suite for Monitoring Workstation

#	Minimum Specifications	Compliance (Y/N)
1	Software OEM – Microsoft	
2	Software - Microsoft Office Professional (Complete suite) (latest version)	
3	License Type - Perpetual, Not tied to OEM Machine (can be used on any desktop)	

Led Display for District CCC

#	Parameter	Minimum Specifications	Compliance (Y/N)
1	Screen Size (Diagonal)	55 inches	

#	Parameter	Minimum Specifications	Compliance (Y/N)
2	Panel Type	LED	
3	Native Resolution (Pixels)	3840 x 2160 (UHD)	
4	Brightness (Nits) Minimum	400 cd/m2 or better	
5	Viewing Angle (Horizontal/Vertical)	1780 / 1780	
6	Native Contrast Ratio	1100:1 or better	
7	Response Time (milli seconds)	8 or better	
8	Inputs	3 x HDMI	
		1 x VGA Port	
		1 x Display Port	
		1 x DVI Port	
		3 x USB Port	
		1 x RJ 45 Port	
		1 x Audio IN	
		1 x Communication Port RS-232 & RJ-45 Port	
9	Out Puts	1 x Audio OUT	
10	Audio Power	20 W (10 W X2)	
11	Warranty	3 Years Warranty	
12	Certificates	BIS	

ANNEXURE-5: Code of Integrity

No official of a procuring entity or a bidder shall act in contravention of the codes which includes:

- I. Prohibition of any or all;
 - a) Making offer, solicitation or acceptance of bribe, reward or gift or any material benefit, either directly or indirectly, in exchange for an unfair advantage in the RFP process or to otherwise influence the RFP process.
 - b) Any omission, or mis-representation that may mislead or attempt to mislead so that financial or other benefit may be obtained or an obligation avoided.
 - c) Any collusion, bid rigging or anti-competitive behaviour that may impair the transparency, fairness and the progress of the RFP process.

- d) Improper use of information provided by DIRECTORATE to the bidder with intent to gain unfair advantage in the RFP process or for personal gain.
 - e) Any financial or business transactions between the bidder and any official of DIRECTORATE related to tender or execution process of contract; which can affect the decision of DIRECTORATE directly or indirectly.
 - f) Any coercion or any threat to impair or harm, directly or indirectly, any party or its property to influence the RFP process.
 - g) Obstruction of any investigation or auditing of a RFP process.
 - h) Making false declaration or providing false information for participation in a tender process or to secure a contract.
- II. Disclosure of conflict of interest.
- III. Disclosure by the bidder of any previous transgressions made in respect of the provisions of sub-clause (I) with any entity in any country during the last three years.

In case of any reported violations, the DIRECTORATE, after giving a reasonable ground for being heard, comes to the conclusion that a bidder or prospective bidder, as the case may be, has contravened the code of integrity, may take appropriate measures.

ANNEXURE-6: Project Details

6.1 Project Summary

S.No	Item	Details		
	Number of Client projects enclosed	1 or 2 or 3 clients		
1	Name of the Client 1		Contract Value (In Lakhs)	
2	Name of the Client 2		Contract Value (In Lakhs)	
3	Name of the Client 3		Contract Value (In Lakhs)	

6.2 Project Details (To be filled for each Project)

S.No	Item	Details
1	Name of the project/Client	
2	Contract Value (In Lakhs) (ensure relevant proof has been enclosed)	
3	Mention the document enclosed as proof of client engagement a. Related cumulative work orders OR	

	Agreement copy b. Completion certification OR c. Payment proof as evidence of such orders.	
4	Reference page number in the bid proposal	
5	No. of cumulative orders enclosed as a proof for the project value	
6	Name, Title & Address of the Client who can be contacted	

ANNEXURE-7: Agency/ Company information

Following are the particulars of our organization:

S. No.	Description	Details (To be filled by the bidder)
1	Name of the bidder	
2	Regional official address (in Madhya Pradesh, if any)	
3	Phone No. and Fax No.	
4	Registered Headquarters Address	
5	Phone No. and Fax No.	
6	Web Site Address	
7	Details of Agency's Registration (Please enclose copy of the registration document)	
8	Name of Registration Authority	
9	Registration Number and Year of Registration	
10	EPF/ESI registration Number	
11	Goods and Service Tax Registration No.	
12	Permanent Account Number (PAN)	

Note: Separate sheets and additional details may be attached wherever necessary

ANNEXURE-8: Contact Details of officials for correspondence during proposal process:

Details	Authorised Signatory	Secondary Contact
Name		
Title		
Company Address		
Phone		
Mobile		
E-mail		

ANNEXURE-9: FINANCIAL PROPOSAL FORMAT

Annexure 9.1 – Financial Bid Covering Letter:

(Please note - This format is only to be submitted in Financial Bid available on MP Tender portal (www.mptenders.gov.in). No copies of filled financial bid shall be submitted with PQ bid; else the bid shall be rejected.)

To,
The Director,
Directorate of Geology and Mining,
29-A, Khanij Bhavan , Arera Hills,
Bhopal 462011

Date: __/__/2021

Sub: Financial Proposal for “ Selection of System Integrator for Implementation of AI based Smart Enforcement System to curb illegal transportation of mineral” Ref: NIT No.:

_____ Dated: _____

Dear Sir,

- a) I/We, the undersigned proposer, having read & examined in detail, the Bidding Document, the receipt of which is hereby duly acknowledged. I/ we, the undersigned, offer our best commercial rates to provide services of Technical Team with the said tender documents and in accordance with the schedule of Prices indicated in the Price Bid and made part of this Tender.
- b) If our Bid is accepted, we undertake to complete the project within the scheduled time lines.
- c) We confirm that this offer is valid for 180 from the date of submission of the bid of to the DIRECTORATE Bhopal.
- d) This Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.
- e) We agree that the DIRECTORATE is not bound to accept the lowest Bid or any Bid, or the DIRECTORATE may reject all bids.
- f) I/We agree to all the terms & conditions as mentioned above & in the bidding document and submit that we have not submitted any deviations in this regard.

Dated this.....by2023

Name of Bidder (Agency/ Company's name):

Authorised Signatory (Name)

Phone Number including Mobile Number:

E-mail:

Annexure-9.2 – Financial Bid Form:

This is to be submitted only under the financial bid cover at the e-tendering portal.

Name of the Bidder:

Address:

We submit herewith the Financial Proposal for the assignment proposed by the Directorate:

Sr.No.	Item Description	Quantity	Amount in INR Excluding GST (To be quoted by the bidder)	Amount
	(A)	(B)	(C)	(D)=(B) x (C)
1	Check Gate 01 Lane (01 Lane in any of the directions of the road) : SITC of Check Gate with 01 Lane. Each gate shall have Mounting Structure / Gantry, civil work, 01 ANPR, 01 RFID Reader, 02 Varifocal Camera, LPU, Uninterrupted Power, all cables and accessories, network connectivity with SDC, three years on-site OEM warranty and maintenance support, accidental damage and repair	1		
2	Check Gate 02 Lane (01 Lane in the Up Direction and 01 Lane in the down direction of the road) : SITC of Check Gate with 02 Lanes. Each gate shall have Mounting Structure / Gantry, civil work, 02 ANPR, 02 RFID Reader Setup, 04 Varifocal Camera, LPU, Uninterrupted Power, all cables and accessories, network connectivity with SDC, three years on-site OEM warranty and maintenance support, accidental damage and repair.	20		
3	Check Gate 04 Lane (02 Lane in the Up direction and 02 Lane in the down direction of the road) : SITC of Check Gate with 04 Lane. Each gate shall have Mounting Structure / Gantry, civil work, 04ANPR, 04 RFID Reader Setup, 08 Varifocal Camera, LPU, Uninterrupted Power, all cables	19		

	and accessories, network connectivity with SDC, three years on-site OEM warranty and maintenance support, accidental damage and repair.			
4	Check Gate 03 Lane (All 3 Lane in any of the directions of the road): SITC of Check Gate with 03 Lane. Each gate shall have Mounting Structure / Gantry, civil work, 03 ANPR, 03 RFID Reader Setup, 06 Varifocal Camera, LPU, Uninterrupted Power, all cables and accessories, network connectivity with SDC, three years on-site OEM warranty and maintenance support, accidental damage and repair.	1		
5	State CCC: SITC of State's Command and Control Center with Video Wall System(3X2), Active Networking Components (LAN Switches etc.) , Passive Networking Components (Structured cabling), Electrical Cabling for IT equipment and Necessary Illumination Devices, Monitoring Workstation with two (2) 22" monitors and office productivity suit, Workstation Furniture with Storage and Ergonomic Chair- 06 Sets, DG Set , CCC Site Preparation - Interior Design furnishing, false ceiling, painting, Multifunction Device Printing, Dome cameras for internal surveillance of CCC, Rodent Repellent system, AC System. Bidder shall provide three years on-site OEM warranty and maintenance support.	1		
6	District CCC: SITC of District Command Center, Monitoring Workstation with one (1) 22" monitor and office productivity suite, Workstation Furniture, Fixtures, Ergonomic Chair, 2 Display 46" per district. Bidder shall provide three years on-site OEM warranty and maintenance support.	30		
7	Handheld Devices :	104		

	SITC of Handheld Devices with SIM . Bidder shall provide three years on-site OEM warranty and maintenance support.			
8	RFID Tags : SITC of RFID Tags on vehicles and mapping of RFID with the Decision Support System (will not be part of TCV)	200000		
9	Weight in motion system : SITC of weight in motion system and integration with a decision support system at Check Gate. Bidder shall provide three years of on-site OEM warranty and maintenance support.	2		
10	Shifting of the Check Gate at the desired location with the dismantling of the existing check gate, transportation to the desired location, installation, testing, and operationalization.	1		
Total Capex (E)				

Sr.No .	Item Description	Basis	Quantity	Amount in INR Excluding GST (To be quoted by the bidder)	Total Amount all inclusive excluding GST (In INR) (J) = (H) x (I)
	(F)	(G)	(H)	(I)	(J)
1.	Project Manager at State CCC	Rate per person for 3 Years	1		
2.	Operators for State CCC (07 Operators) and District Control Center (30 Operators) Operations	Rate per person for 3 Years be quoted	37		
Total Opex (K)					
Grand Total (L) = (E + K)					
Grand Total Amount in Words:					

Terms & Conditions: -

1. The yellow highlighted portion shall only be filled by the bidder.
2. The Bidder is required to quote prices inclusive of the cost of incidental services, applicable taxes, and duties, exclusive of GST which shall be paid as per the prevailing rates.
3. Bidder shall provide all the prices as per the prescribed format. Bidder shall not leave any field blank. NIL value quoted against any value above shall lead to rejection of the proposal.
4. The Payment for the aforesaid quoted value shall be paid in accordance with the clause of 'Paymentterms.
5. The quantities mentioned above are purely indicative and may increase or decrease up to 50 % based on actual requirements.
6. The Lane definition is as per Indian Roads Congress (IRC) / MoRTH / State Authority.
7. The quantity estimation for Check gates with ANPR, RFID Reader, Varifocal Camera, and other items is minimum, the directorate will not pay any cost for additional items required to meet the project requirements and use cases.

ANNEXURE-10: SELF-DECLARATION

{To be submitted on the letter head of the bidder}

To,

Date:

Director

Directorate of Geology and Mining,
29-A, Khanij Bhavan , Arera Hills,
Bhopal 462011

In response to the RFP Ref. No. _____ dated _____ for engagement of agency Engagement of Agency to provide Technical Team to DIRECTORATE, as an Owner/ Partner/ Director/ Auth. Sign. of _____, I/ We hereby declare that presently our Company/ agency _____, at the time of bidding:

- (a) Possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the DIRECTORATE;
- (b) Have fulfilled my/ our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the Bidding Document;
- (c) is having unblemished record and is not declared ineligible for corrupt & fraudulent practices either indefinitely or for a particular period of time by any State/ Central government.
- (d) Does not have any previous transgressions with any entity in India or any other country during the last three years
- (e) Does not have any debarment or blacklisting by any other govt. Directorate/organization.
- (f) is not insolvent in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial officer, not have its business activities suspended and is not the subject of legal proceedings for any of the foregoing reasons;
- (g) does not have, and our directors and officers not have been convicted of any criminal offence related to their professional conduct or the making of false statements or misrepresentations as to their qualifications to enter into a procurement contract within a period of three years preceding the commencement of the Tender Process, or not have been otherwise disqualified pursuant to debarment proceedings;
- (h) Does not have a conflict of interest as mentioned in the bidding document which materially affects the fair competition.

(i) Will comply with the code of integrity as specified in the bidding document.

If this declaration is found to be incorrect then without prejudice to any other action that may be taken as per the provisions of the applicable Act and Rules thereto prescribed by GoMP, my/ our security may be forfeiture in full and our proposal, to the extent accepted, may be cancelled.

Thanking you,

Authorized Signature {In full and initials with Seal}:

Name and Title of Signatory:

Name of Bidder (Agency/ Company's name):

In the capacity of:

Address:

Contact information (phone and e-mail):

Date & Time& Place:_____

ANNEXURE-11: NDA with the deployed resource.

NON-DISCLOSURE AGREEMENT

For good consideration, and in consideration of being engaged by the Directorate of Geology and Mining Madhya Pradesh (DIRECTORATE), the undersigned person hereby agrees and acknowledges:

1. That during the course of my engagement, there may be disclosed to me certain confidential information of DIRECTORATE or any Department / PSU / Subsidiary unit/ undertaking unit of State or Central Government; said confidential information consisting but not necessarily limited to:
 - a. Technical information: Methods, processes, formulae, compositions, systems, techniques, inventions, machines, computer programs and research projects.
 - b. Government information: stakeholders list, citizens' personal data, sources of data, financial data, production, or merchandising systems or plans.
2. I agree that I shall not, during or at any time after the termination of my engagement with DIRECTORATE, use for myself or others, or disclose or divulge to others including future employees/ employers, any confidential information or any other proprietary data of DIRECTORATE in violation of this agreement.
3. I agree that I shall not copy or transfer any computer program, design, documents, any correspondence and all other material relating to the project to others through personal e-mails or any other medium during my engagement with DIRECTORATE.
4. I agree that any official email id assigned to me by DIRECTORATE shall be only and strictly used for all official correspondences between DIRECTORATE and / or its clients. It shall in no way be used by me for personal use.
5. That upon the termination of my engagement from DIRECTORATE:
 - a. I shall return all documents and property of DIRECTORATE, including but not necessarily limited to laptops, pen drive, data cards, drawings, blueprints, reports, manuals, correspondence, computer programs, and all other materials and all copies thereof relating in any way to DIRECTORATE business or in any way obtained or produced by me during the course of engagement. Further, I shall not retain copies, notes or abstracts of the foregoing.
 - b. DIRECTORATE may notify any future or prospective employer or third party of the existence of this agreement and shall be entitled to full injunctive relief for any breach.
6. This agreement shall be binding upon me and my personal representatives and successors in interest, and shall inure to the benefit of DIRECTORATE, its successors and assigns.

Signed this _____ day of _____, 20 ____.

EMPLOYEE:

DIRECTORATE:

Employee Signature:

Signature:

Printed Name:

Printed Name& Title:

ANNEXURE-12 : CA Certificate format for Related Turnover (Indicative)

Sub: Certificate regarding Turnover in India in any of the three financial years during last 5 Financial Years i.e. for the year ending March 31, 2018-19, 2019-20, 2020-21, 2021-22, and 2022-23:

Dear Sir,

We have examined the books of account and other relevant records of <<Bidder's Name & registered Address>> based on such examination and according to the information and explanation given to us, and best of our knowledge and belief, we hereby certify the details given below:

S#	Financial Year	Annual Turnover in India
01		
02		
03		
	Total	
	Average Turnover of these three F/Y	

For and on behalf of
(Chartered Accountants)

Firm Registration No

Membership No.....

UDIN No.....

Place.....

Date:.....

ANNEXURE-13: Document Checklist for bid submission

SN	Document	Ref. Page No.
1.	Bid Covering Letter as per Annexure 2	
2.	Agency/ Company Information as per Annexure-7	
3.	Contact Details of Bidder as per Annexure 8	
4.	Qualification of Bidder – Eligibility Bid Summary Annexure 3	
5.	Compliance Sheet for Minimum Functional and Technical Requirementsper Annexure-4	
6.	Proof of Legal Entity	
7.	Proof of Financial Turnover	
8.	Project Summary as per Annexure 6.1	
9.	Project Details as per Annexure 6.2	
10.	Registration copy certificate - GST	
11.	Registration copy certificate - PAN	
12.	Annexure 10: Self-Declaration for nonblack-listing	
13.	Signed copy of RFP document	

ANNEXURE-14: List of Locations

Sr.No.	District	Tehsil	Location	Highway Type	Highway Lane	Highway Number
1	Bhind	Bhind	Near Barhi Toll Plaza	NH	Two Lane	719
2	Gwalior	Dabra (Jorasi Ghat)	Near Lakhnotikhurd On NH-44	NH	Four Lane	44
3	Gwalior	Gwalior	Badagaon	NH	Four Lane	44
4	Datia	Bhander	Pandokhar Police Station	NH	Two Lane	552
5	Morena	Morena	Alabeli Police Chauki	NH	Four Lane	44
6	Morena	Morena	Banmore Tiraha Bypass, A. B. Road	NH	Four Lane	44
7	Rewa	Teothar	Baghedi Chauraha , Chakghat	NH	Four Lane	30
8	Rewa	Hanumana	Piparahi Government Higher Secondary School	NH	Four Lane	135 C
9	Shahdol	Sohagpur	Rohaniya (Shahdol to Rewa Road)	SH	Two Lane	9
10	Shahdol	Beohari	Beohari	SH	Two Lane	9
11	Anuppur	Kotma	Jhiriya Tolla	NH	Two Lane	43
12	Anuppur	Anuppur	Kirar Ghati, Anuppur-Rajendragram Main Road	SH	Two Lane	9A
13	Umaria	Chandia	Mahanadi Forest Checkpost	NH	Two Lane	43

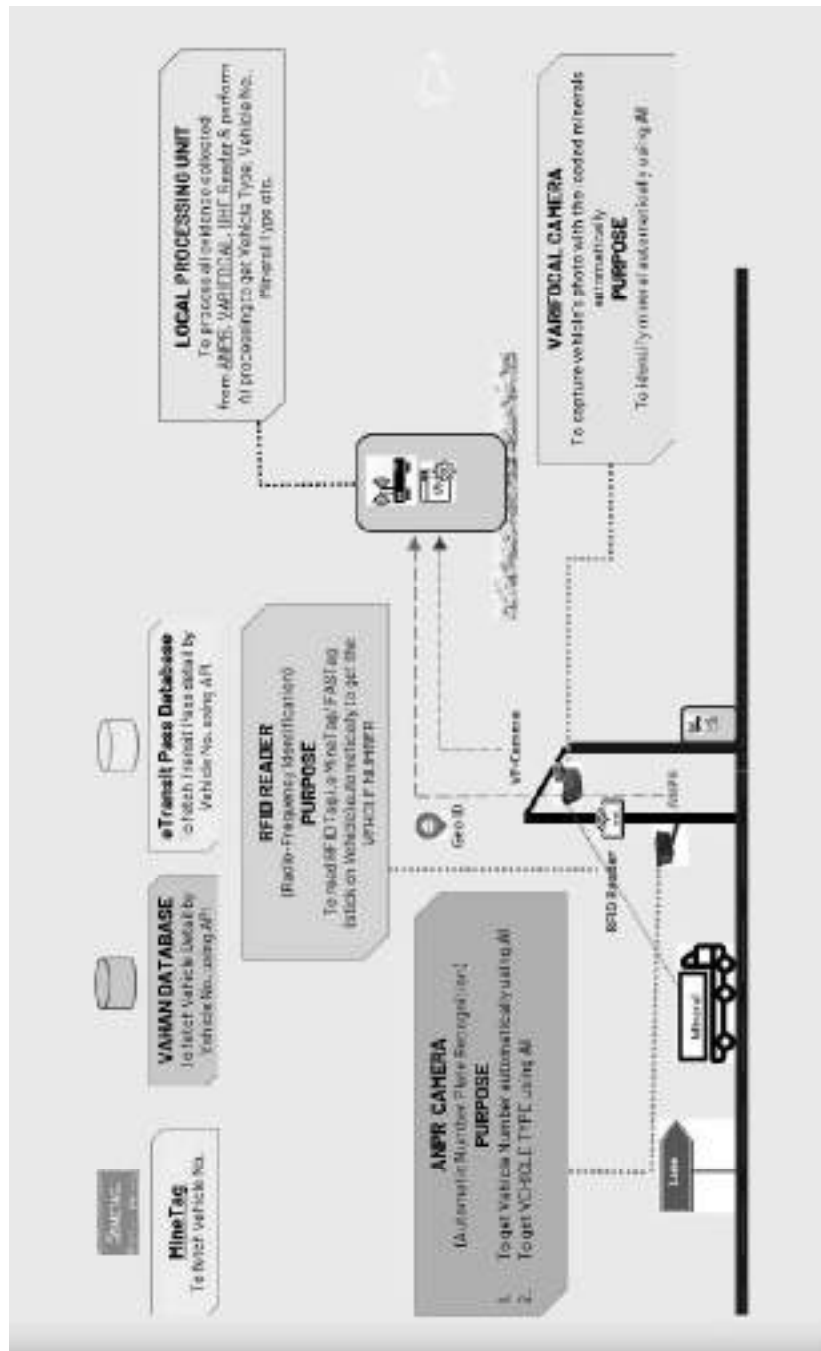
Sr.No.	District	Tehsil	Location	Highway Type	Highway Lane	Highway Number
14	Jabalpur	Jabalpur	Jotpur near Tilwara Bridge	NH	Four Lane	34
15	Jabalpur	Jabalpur	Village Bheeta, Near Bhedaghat Square	NH	Four Lane	45
16	Jabalpur	Sihora	Village Barnu	NH	Four Lane	30
17	Balaghat	Lalbarra	Kanjai (Lalbarra Seoni Marg)	SH	Two Lane	26
18	Niwari	Orchha	Orchha-Pratpura	NH	Four Lane	39
19	Chhatarpur	Luvkush Nagar	Pura	NH	Two Lane	34
20	Chhatarpur	Barigarh	Prakash Bamhori	NH	Two Lane	35
21	Katni	Katni	Surkhi Tank	SH	Two Lane	10
22	Chhindwara	Chhindwara	Sarra, Near Kulbehra River	NH	Four Lane	347
23	Chhindwara	Parasia	Ambara	SH	Two Lane	19B
24	Singrauli	Sarai	Village Nigari, Near Bridge of River Gopad	NH	Two Lane	39
25	Singrauli	Singrauli	Khanhna Barrier	NH	Two Lane	39
26	Singrauli	Singrauli	Kachni Telai Bridge	NH	Four Lane	39
27	Indore	Khudel	Near Sanawadia Panchayat (Nemawar Road)	NH	Two Lane	47
28	Indore		A. B. Road	NH		
29	Sidhi	Rampur Naikin	Baghwar	SH	Two Lane	52
30	Sidhi	Churhat	Koshtha Kothar	NH	Four Lane	39
31	Sehore	Budhni	Gadariyanala	NH	Four Lane	46
32	Sehore	Nashrullaganj	Gopalpur	SH	Two Lane	22
33	Dewas	Sonkuchh	Near Toll Gate,Bhorasa	NH	Four Lane	86A
34	Bhopal	Huzur	11 Mile	NH	Four Lane	46
35	Bhopal	Berasia	Karond	NH	Four Lane	46
36	Raisen	Obaidullaganj	Obaidullaganj	NH	Four Lane	46
37	Sagar	Deori	Narsinghpur Road	NH	Four Lane	44
38	Alirajpur	Katthiwada	Chandpur	NH	Two Lane	56
39	Satna	Maihar	Bhadanpur	SH	Two Lane	11
40	Tikamgarh	Tikamgarh	Lalitpur Road,Near PG College	SH	Two Lane	10

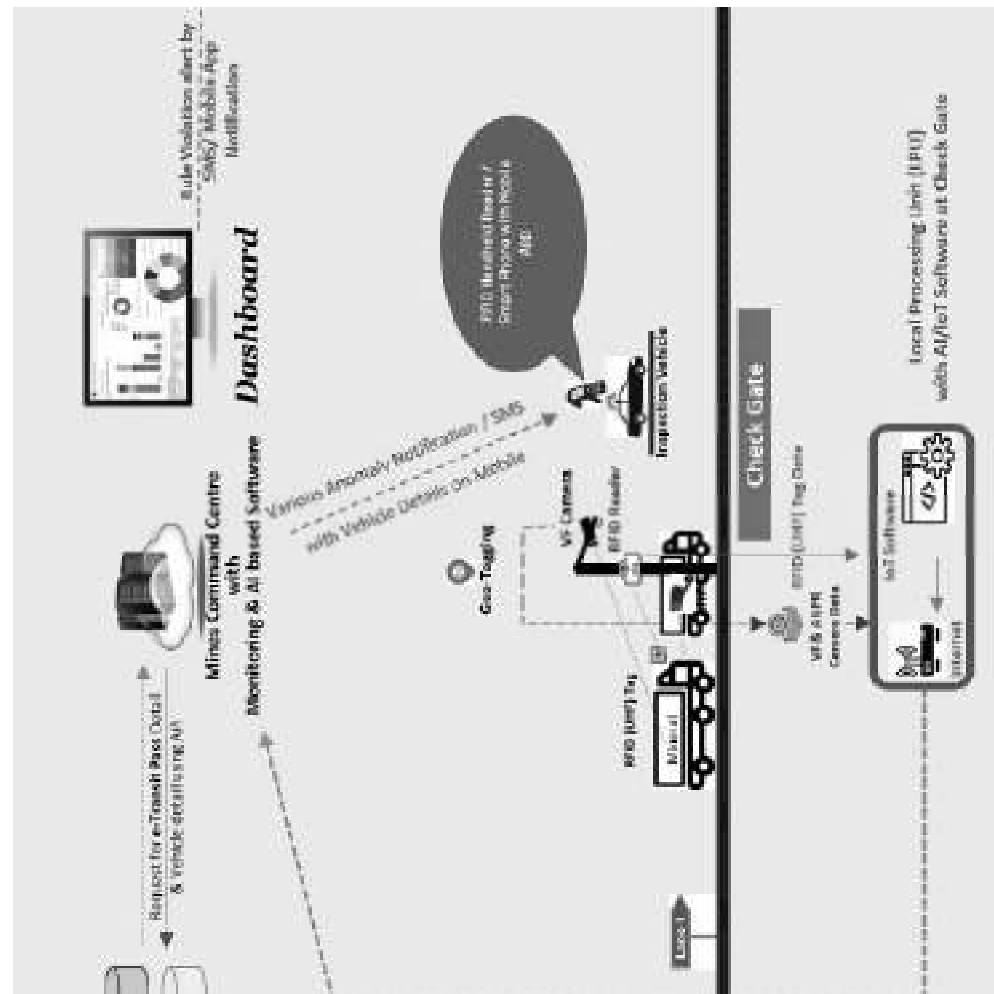
ANNEXURE-15: List of Minerals

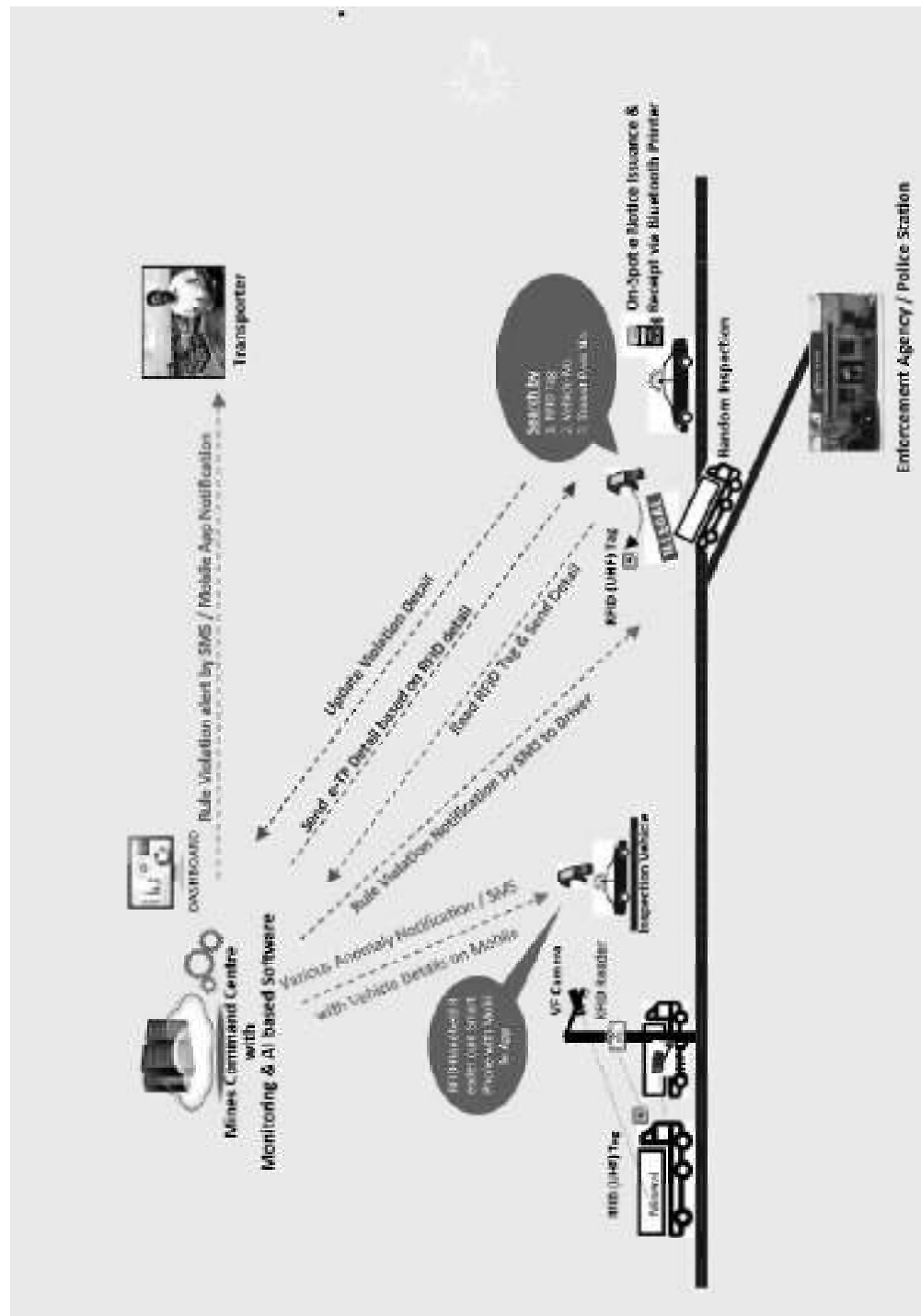
S.No.	Mineral	S.No.	Mineral	S.No.	Mineral
1	Bajri	19	Granite	37	Quartzite for building material
2	Bauxite	20	Gravel	38	Reh Mitti
3	Bentonite	21	Iron Ore	39	Reject Marble
4	Boulder	22	Khanda/Dhoka	40	Rock Phosphate
5	Burn Lime	23	Kopra	41	Salt Peter

S.No.	Mineral	S.No.	Mineral	S.No.	Mineral
6	Calcite	24	Laterite	42	Sand
7	Chinaclay	25	Lime Kanker	43	Sand for Stowing
8	Clay(for roof tiles)	26	Lime Shell	44	Shale
9	Coal	27	Limestone	45	Shale for building Purpose
10	Copper	28	Manganese Ore	46	Silica Sand
11	Diaspore	29	Marble	47	Slate for building Purpose
12	Dimensional Stone-Igneous, Metamorphic and Sedimentary Rocks	30	M-Sand	48	Soap Stone
13	Dolomite	31	Murum	49	SOIL
14	Felspar	32	Ochre	50	Stone
15	Fireclay	33	Ordinary Clay for making Bricks	51	Stone Dust
16	Flag Stone	34	Pyrophyllite	52	Vermiculite
17	Fullers Earth	35	Quartz	53	White Clay
18	Gitti	36	Quartzite		

ANNEXURE-16 : Indicative Solution







ANNEXURE-17: Resource Profile

Project Manager :

- Education: BE/B. Tech in IT/CS or equivalent
- Experience: Minimum 12 years of work experience, Minimum 2years of experience in CCC Operations Management

Operators :

- Education: Graduate in any discipline
- Experience: Minimum 2 years of work experience

End of Document

