



RAJASTHAN STATE MINES & MINERALS LIMITED

(A Government of Rajasthan Enterprise)

e- TENDER DOCUMENT

for the work of

Implementation of an integrated system comprising RFID tracking, electronic weighbridges, Automatic Number Plate Recognition (ANPR), and seamless integration with the existing Enterprise Resource Planning (ERP) system on rental basis with monthly subscription payment for complete solution at RSMML's Rock Phosphate Jhamarkotra Mines, Udaipur

e-Tender No. RSMML/CO/GGM(Cont.)/Cont-26/2024-25 Dated 21.02.2025

Issued by

**Group General Manager (Contracts),
Corporate Office,
RSMML, Udaipur**

Cost of Non-Transferable

Tender Document (including GST): Rs 4720/-

Date of downloading of Tender: From 21.02.2025 to 25.03.2025 up to 1.00 pm

Pre-Bid Meeting Date & Time : On 05.03.2025 at 11:00 AM at RSMML's

Corporate Office, Udaipur, Rajasthan -313001

Last Date of submission of online Tender: 25.03.2025. up to 3.00 pm

Date of online opening of Techno-commercial Part: 26.03.2025 at 3.30 pm

Registered Office:

C-89 Jan path Lal Kothi Scheme, Jaipur -302 015
Phone:0141-2743734
Fax: 0141-2743735

Corporate Office:

4, Meera Marg, Udaipur - 313 001
Phone :(0294)2428743,2414396,
Fax :0294- 2428768,2428739

SBU & PC - Rock Phosphate,

Jhamarkotra Rock Phosphate Mines, Post:
Jhamarkotra - 313015, UDAIPUR
Phone: 0294-2342441-45FAX: 0294-
2342444



RAJASTHAN STATE MINES & MINERALS LIMITED

(A Government of Rajasthan Enterprise)

Corporate Office: 4- Meera Marg, Udaipur – 313 001,

Phone: 0294-2427177,2428763-67, fax 0294-2428768,2428739

Email: -contractsco.rsmml@rajasthan.gov.in

e-Tender No. RSMM/CO/GGM(Cont.)/Cont-26/2024-25

Dated 21.02.2025

DETAILED E-NOTICE INVITING TENDER

Tenders are invited for following work from reputed contractors through www.eproc.rajasthan.gov.in:-

Brief Description	Estimated value of work (in Rs.)	Contract Period	EMD (In Rs.)
Implementation of an integrated system comprising RFID tracking, electronic weighbridges, Automatic Number Plate Recognition (ANPR), and seamless integration with the existing Enterprise Resource Planning (ERP) system on rental basis with monthly subscription payment for complete solution at RSMML's Rock Phosphate Jhamarkotra Mines, Udaipur	350.00 lakh	5 year	7.00 lac
Cost of tender document is Rs. 4720/- inclusive of GST, payable by D.D. in favour of "RSMML Ltd, Udaipur"			
Processing Fee	Rs.2000/- payable by DD in favour of MD RISL, payable at Jaipur		
Pre-bid meeting to be held at RSMML's Corporate Office, Udaipur, Rajasthan -313001	On 05.03.2025 at 11:00 AM		
Period of downloading of tender documents	From 21.02.2025. to 25.03.2025 up to 1.00 pm		
Last Date & Time of online Submission of offer	25.03.2025 up to 3.00 pm		
Date of opening of Techno Commercial offer	26.03.2025 at 3.30 pm (Online)		

The tenderers shall be pre-qualified on the basis of the following criteria:

1. The tenderer should have minimum turnover of Rs. 175.00 Lakh in any one of the immediate preceding three financial years i.e. 2021-22, 2022-23 and 2023-24 in tenderers name.
2. The tenderer should have successfully executed at least one similar nature work* of value not less than Rs. 35.00 Lakh in any one of the immediate preceding three financial years i.e. 2021-22, 2022-23 and 2023-24 in tenderer's name.

* 'Similar nature work' is defined as *demonstrated expertise in the successful implementation and management of vehicle tracking systems (VTS) projects leveraging advance technologies such as RFID, Automatic number plate recognition (ANPR),*

boon barriers, and electronic weighbridge centering system for state and central govt organizations, Public Sector undertakings (PSUs) and private entities across India.

Tender is to be submitted online at <https://eproc.rajasthan.gov.in> in electronic form as prescribed in the tender form. Tender fees & processing fees will not be refunded in any case.

The Bidder should go through the website <http://eproc.rajasthan.gov.in> and the link "help for contractors", "information about DSC", "FAQs" and bidders manual kit" to know the process for submitting the electronic bids at website. The complete bid document has been published on the website <https://eproc.rajasthan.gov.in> for the purpose of downloading.

The downloaded bid document shall be considered valid for participation in the bid process subject to submission of required cost of tender document, e-Tendering processing fee & EMD and the same shall be reached to the office of undersigned on or before the time specified for submission of techno-commercial part of tender.

The tender shall be pre-qualified on the basis of documents uploaded along with techno-commercial bid in support of above. The decision of the company will be final and binding in this regard. The company reserves its right to call for any additional information so as to check the eligibility of the tenderer.

Tenderer(es) who have been banned/ suspended by the company or any government organization/department shall not be eligible to participate in this tender/ during the currency of suspension/banning period.

Offers furnished through any other mode shall not be considered. RSMML will not entertain any claim on account of postal delay/non-receipt. It also reserves the right to reject/cancel any or all tenders without assigning any reason whatsoever.

The company reserves the right to accept or reject any or all offers without assigning any reason. Also the company does not bind itself to accept the lowest price offer. The Company shall not be responsible for any postal delay or loss of offer. Offers sent by any other mode other than prescribes shall not be accepted. All communications/correspondences/documents including the bid document should be physically signed, stamped on each page before uploading and also signed digitally by the designated authorized representative of the bidder.

Relaxation in bid security amount shall only be applicable as per RTPP Act/ Rules for Small scale industries of Rajasthan having specified subject tender work mentioned in their registration.

Group General Manager (Contracts)

Note: The tenderers are advised to keep visiting our website till due / extended due date of tender for corrigendum/ addendum, if any, to the tender.

SECTION - I

GENERAL

DEFINITIONS

In the following paragraphs of this tender document the following words and expressions shall have the meaning hereby assigned to them, except where the context otherwise requires.

- 1.1 **“RSMML” or “COMPANY”** shall mean “Rajasthan State Mines & Minerals Limited,” having its registered office at C - 89-90, Lal Kothi Scheme, Jaipur (Rajasthan) 302 015, and Corporate Office at 4, Meera Marg, Udaipur (Rajasthan) including its successors in office and assignees or its representatives authorized to act on its behalf for the purpose of contract.
- 1.2 **“Contractor”** shall mean the person or persons, firm or company, whose tender has been accepted by the Company and shall include his/its/their legal representatives, administrators, successors and executors.
- 1.3 **‘Statutory obligations(s)’** would include the entire obligations which are to be complied with as per the provisions of various existing legislation’s applicable to mine/working areas.
- 1.4 **“Approved”** shall mean approved in writing by the Company/Engineer-In-Charge/Officer-in-Charge.
- 1.5 **“Appointing Authority”** wherever the expression is used shall mean the Managing Director of the Company.
- 1.6 **“Managing Director”** shall mean the Managing Director of Rajasthan State Mines and Minerals Limited.
- 1.7 **“Contract”** shall mean the agreement between the Company and the Contractor for execution of the work/s including therein all documents such as invitation to tender, instructions to contractor, general conditions of contract, special conditions of contract, job specification, general requirements, time schedule for completion of work, letter of intent /telegram /telex awarding the work, agreed variations, if any etc.
- 1.8 **“Contract Rate” or “Schedule Rate” or “Tendered Rates” or “Rate of remuneration”** means rate entered in figures and words in schedule/s by the Contractor and accepted by the Company as payable to the Contractor for execution /performance of all contractual obligations as per terms of the contract.
- 1.9 **“Detailed Specifications”** shall mean the specifications for materials and works as specified in tender or as implied/added to or superseded by the special conditions.
- 1.10 **“Engineer-in-Charge”** shall mean officer so designated for the overall supervision, coordination, direction and administration of the contract work from time to time by the Company.
- 1.11 **“Group General Manager (Contract)”** shall mean the Group General Manager for contract division of RSMML or his successors in office so designated by the company.

- 1.12 “**Group General Manager (Phos)**” shall mean the Group General Manager for Jhamarkotra Rock Phosphate Mine of RSMML or his successors in office so designated by the company.
- 1.13 “**Agent**” shall mean the officer so designated under Mines Act for Jhamarkotra Rock Phosphate Mines of Rajasthan State Mines and Minerals Limited.
- 1.14 “**Mines Manager**” shall mean the Mining Engineer so designated for Jhamarkotra Rock Phosphate Mines of Rajasthan State Mines and Minerals Limited.
- 1.15 “**Letter of acceptance**” (LOA)/ “**Detailed Letter of Acceptance**” (DLOA) shall mean intimation by a letter/telegram/telex/fax to contractor that his/its tender has been accepted, in accordance with the provision contained in the letter/telegram/telex/fax.
- 1.16 “**Notice in writing or written notice**” shall mean a notice written, typed or printed sent (unless delivered personally or otherwise proved to have been received) by registered post to the last known business address or registered/Head/local office of the addressee and shall be deemed to have been received in the ordinary course of post.
- 1.17 “**Site**” shall mean the land or other place on, under, in or through which the work/s are to be carried out and other land or place or area/s provided by the Company for the execution of the contract.
- 1.18 “**Specifications**” shall mean directions, various technical specifications, provisions and requirements attached to and referred to in the contract, which pertain to the method and manner of performing the work/s and the materials to be furnished /used required to be used/consumed and/or provided for executing work/s as may be amplified or modified by the Company or the Engineer-in-Charge from time to time and notified/communicated to the Contractor during the course of performance of this contract and provide for the unforeseen conditions or in the best interest of the work/s. It shall also include the latest addition including all agenda or corrigenda or relevant rules, regulations regulation codes.
- 1.19 “**Temporary Works**” shall mean and include all temporary work/s of every kind for the execution of the main work as incidental and ancillary thereto.
- 1.20 “**Tender**” shall mean collectively the offer submitted in response to and in accordance with the NIT, subsequent discussions and negotiations held by the Tenderer with the Company and all communications submitted by the Tenderer in confirmation thereto.

INTERPRETATIONS:

- 1.21 Wherever it is mentioned that the Contractor shall do or perform or cause to be done certain work/s or provide certain facilities or discharge certain obligation/s or make certain provision/s etc. it is expressly agreed and understood that each and every such work/s, facility, obligation/s or provisions etc. shall be made and/or provided by the Contractor and liability discharged to the satisfaction of the Company at the cost and consequences of the Contractor.
- 1.22 Several clauses and documents forming the contract are to be taken as mutually explanatory. Should there be any discrepancy, inconsistency, error or omission in the

contract or for any of the matter/s, the same shall be referred to in writing by the Contractor to the Managing Director of the Company whose interpretation/s, decision in writing shall be conclusive, final and binding on the Contractor.

- 1.23 All headings and marginal notes to the various clauses of the contract are solely for the purpose of giving a concise indication and not a summary of the contents thereof, and they shall never be deemed to be part thereof or be used in the interpretation or construction thereof, or of the provisions of the contract.
- 1.24 In the contract, unless otherwise stated specifically, the singular shall include the plural and vice versa, wherever the context so requires, the words importing person/s shall include incorporated companies, registered association, body of individuals or partnership firm.
- 1.25 General conditions of contract shall be read in conjunction with the Special Conditions of Contract, Specification of work and any other documents forming part of this contract wherever the context so requires.
- 1.26 Notwithstanding the sub-division/s of the various clauses of the contract into the separate parts/sections, every part of such shall be deemed to be supplementary to and complementary of each and every other part and shall be read with and into the contract so far as it may be practicable to do so.
- 1.27 Where any portion of the General Conditions of the contract is repugnant to or at variance with any provisions of the Special Conditions of Contract, then, unless a different intension appears, the provisions of Special Conditions of the contract shall be deemed to over-ride the provision of the General Conditions of the Contract and shall to the extent of such repugnancy or variations, prevail.
- 1.28 No Director or official or employee of the Company shall in any way be personally bound or liable for the acts or obligations of the Company under the contract or answerable for any default or omissions in the observance or performance of any of the acts, matters or things which are herein contained.
- 1.29 No verbal agreement or inference from conversation with any officer or employee of the Company before, during or after the execution of the contract shall in any way affect or modify the terms or obligations contained herein.
- 1.30 No amendments to the contract shall be valid unless specifically made as an amendment to the contract and signed by the authorized representative of the parties.

SECTION - II

INSTRUCTIONS TO THE TENDERER

SUBMISSION OF OFFERS

- 2.1 Tender is to be submitted online at <https://eproc.rajasthan.gov.in> in electronic form as prescribed in the tender form. Tender fees and processing fees will not be refunded in any case.
- 2.2 The Bidder should go through the website <https://eproc.rajasthan.gov.in> and the link "help for contractors", "information about DSC", "FAQs" and "bidders manual kit" to know the process for submitting the electronic bids at website. The complete bid document has been published on the website <https://eproc.rajasthan.gov.in> for the purpose of downloading. The downloaded bid document shall be considered valid for participation in the bid process subject to submission of required cost of bid document and e-Tendering processing fee.
- 2.3 All communications/correspondences/documents including the bid document should be physically signed, stamped on each page before uploading and also signed digitally by the designated authorized representative of the bidder.
- 2.4 A scanned copy of EMD, e-Tendering processing fee and cost of tender document must be enclosed along with the Technical Bid proposal failing which the bid will be summarily rejected.
- 2.5 The DD towards the cost of tender document fees, Earnest Money deposit and processing fees along with original affidavits as per tender document should be kept in a sealed envelope addressed to Group General Manager (Contract), RSMML, Corporate Office, Udaipur. This envelope should be marked with NIT number & work, name and address of contractor, telephone number etc. is to be written on the top of each envelope for clarity. This envelope should be submitted in the office of the Group General Manager (Contract), RSMML, Corporate Office, Udaipur on or before the date and time as mentioned in the Notice Inviting Tender. The Company shall not be responsible for any postal delay. In case of non-receipt of same prior to the time of opening of tender, the offer of the tenderer shall be rejected.
- 2.6 The tenderer in quoting his rate, shall for all purpose, whatsoever, be deemed to have himself independently obtained all the relevant & necessary information for the purpose of preparing his tender. The correctness or completeness of the details, given in the tender documents is not guaranteed. The tenderer is required to satisfy himself in all respect before the submission of offer.
- 2.7 The tenderer shall be deemed to have examined the tender document, to have obtained his own information in all matter whatsoever that might affect the carry out of the works at the scheduled rates & to have satisfy himself to the sufficiency of his tender. Any error in description or quantity or omission in the contract document shall not vitiate the contract or release to the contractor from executing the work comprised in the contract according to specifications at the scheduled rates. The tenderer is deemed to know the scope, nature & magnitude of the works & requirement of the materials, equipment, tools & labour involved, wage structures, conditions of the service of the company's staff/workmen doing similar & same type of work etc. & as to what all works, he has to

complete in accordance with the contract document irrespective of any defect, omissions or errors that may be found in the contract documents. The contractor shall be deemed to have visited site, availability of water, electric power, labour etc., transportation facilities, probable sites for labour accommodation & store go-downs etc.& all other factors involved in the execution of works.

- 2.8 All the provisions of Rajasthan Transparency in Public Procurement Act & rules made there under & modification to be issued by the competent authority from time to time will automatically be ipso-facto applicable.

TENDER PROCEDURE

- 2.9 e-Tender portal <https://eproc.rajasthan.gov.in> shall be used for all procedure related to the bidding.
- 2.10 The prospective Bidders should register themselves in the e-Tender Portal and submit the Bids electronically through the e-Tender portal.
- 2.11 The Bidders are requested to download the e-Tender help manual and user manuals from the Portal for reference.
- 2.12 It is mandatory for the Bidders to possess a valid Digital Signature Certificate to complete the e- Tender Bid process as per the provisions of Government of India IT Act.
- 2.13 The Technical Bid form and Price Bid form will be available in prescribed format for downloading. The registered Bidders can log into the e-Tender system and download the Bid Forms.
- 2.14 The Bid forms should be filled and submitted using the Digital Signature Certificates. The supporting documents as required in support of tender should be scanned and uploaded in the e-Tender system.
- 2.15 The Bid Form should not be changed or altered or tampered by the bidder. If the Bid form found tampered, the Bids will be summarily rejected.

TENDER DOCUMENT FEE

- 2.16 The Tender Documents may be downloaded from the portals as mentioned in the Tender. The Tender document fee as mentioned in the NIT shall be paid by way of DD in favour of RSMML payable at Udaipur.

E-TENDERING PROCESSING CHARGES

- 2.17 For each and every Bid submitted, a non-refundable Processing charge Rs. 2000/-should be paid by way of Demand Draft or Banker's Cheque drawn in favour of "MD RISL" payable at JAIPUR. The payment by way of Demand Draft or Banker's Cheque should be deposited physically at office of GGM(Contract), RSMML, Corporate office, 4, Meera Marg, Udaipur, Rajasthan-313001 before the date and time of submission of the Tender.

ONE BID PER TENDERER:

- 2.18 Each tenderer shall submit only one tender, either individually or as a partnership firm or a private/public limited company or a co-operative society.

COST OF BIDDING:

- 2.19 The tenderer shall bear all costs associated with the preparation and submission of his offer, and the company will in no case be responsible or liable for those costs, under any conditions.
- 2.20 All uploaded document shall be digitally signed by the tenderer or by a person holding power of attorney authorized him/her to sign on behalf of tenderer before submission of the tender.
- 2.21 Tender in which any of the particulars & prescribed information is missing or incomplete in any respect &/or prescribed conditions are not fulfilled may be liable for rejection.
- 2.22 Canvassing in connection with tenders is strictly prohibited for tenderer submitted by the tenderers, who resort to canvassing, will be liable for rejection.
- 2.23 Tenderers in their own interest are advised to read the tender document completely & carefully, to avoid submission of incomplete bid. Tender, in which any of the particulars & prescribed information is missing or incomplete in any respect &/or prescribed conditions are not fulfilled are liable for rejection, at the sole discretion of the company.
- 2.24 The company takes no responsibility for delay, loss or non-receipt of required document sent through post/courier service. Offers through any other mode other than prescribed shall not be accepted.

CLARIFICATIONS OF CONTENTS OF TENDER DOCUMENT:

- 2.25 In case an intending tenderer require any clarification in connection with, or any point covered by, the tender documents, or as to any matter or work to be done or not to be done by him in the event the contract for the work is awarded to him, he must submit a request for such clarification in writing so as to reach the company at least seven days in advance of the last date fixed for submission of tender. Copies of any such clarifications furnished by the company will be supplied to all other intending tenderer and such clarifications will constitute addenda/corrigenda to, and be read as part of the tender documents.
- 2.26 The company will not be bound by any verbal/oral clarification or interpretation of the tender document or of any matter(s) connected with works to be executed in accordance with the tender documents, which may be made by any of its employee, representatives or agent.
- 2.27 Any neglect or failure on the part of the tenderer in obtaining necessary and reliable information upon the foregoing or any other matters affecting the contract shall not relieve him from any risks or liabilities or the responsibility from completion of the works at the scheduled rate/s & time and in strict accordance with the contract document/s.
- 2.28 **PRE-BID MEETING**
- I. RSMML proposes to hold a pre-bid meeting to clarify doubts of the prospective bidders of the tender. The meeting will be held at Corporate office, Udaipur on 05.03.2025 at 11:00 AM .
 - II. Tenderers are also advised to send their queries/clarifications in advance and addressed to the .DGM(IT), Corporate office, RSMML, so as to reach him at least seven (7) days before the scheduled date of pre bid meeting. A copy of this communication should also

be endorsed to the General Manager (Contract), Corporate Office, RSMML, 4 Meera Marg, Udaipur – 313001.

- III. Tenderers are advised to participate in the pre bid meeting in their own interest, though it is not mandatory to do so. However, the tenderers are requested to confirm their participation.

ADDENDA/CORRIGENDA:

2.29 Addenda/corrigenda to Notice Inviting Tender or to this tender document may be issued to clarify documents or to reflect modification in the specifications or terms & conditions or scope of work or for any other reasons.

2.30 Addenda/corrigenda to these tender documents, if issued by the company, shall form an integral part of this tender document and must be signed and submitted along with the bid.

PART I 'TECHNO-COMMERCIAL BID':

2.31 The tenders shall be submitted online as prescribed above in the tender document. The "Techno-commercial Bid" should contain the following:

- i) One set of tender documents along with conditions of the contract with all the forms duly filled (except price offer form), and each page duly signed and stamped as token of acceptance of terms & conditions.
- ii) Power of Attorney in favour of the authorized representative signing the tender documents.
- iii) Attested Certificate of Incorporation/Memorandum & Article of Association/ Partnership Deed duly certified by the Company Secretary/Gazetted Officer as the case may be. In case the tenderer/contractor makes any change in the constitution of the firm after submission of the offer; they shall have to inform the company at the earliest.
- iv) Attested Copy of CA certified Balance Sheets and Profit & Loss Account in support of turn-over.
- v) Copy of PAN & GST Identification No.
- vi) Duly filled Form 'A' with General information about the tenderer.
- vii) Duly filled Form 'B' with details and supporting documents.
- viii) Exception and deviation statement as perform C of tender document..
- ix) PF Account No. in Form 'A' along with the copy of PF Registration with the PF Commissioner or undertaking as per Annexure 'E'.
- x) Tenderer should submit an undertaking on Non-Judicial Stamp Paper as per Annexure 'F' of tender document.
- xi) Duly filled and signed Annexure 'B' of tender document.

2.32 Tenderer must upload the documents duly attested by Gazetted Officer/Notary Public/ Magistrate/Self attested in support of above required details and any declaration given by the tenderer without requisite supportive documents will not be considered. It may be noted that the bid shall be examined on the basis of documents submitted, as per above required details, furnished along with it. A tenderer shall be fully responsible for

consequences including rejection of his tender or cancellation of the contract if the required attested documents/ attested copies of documents are not submitted along with the techno- commercial bid or any information/document is found to be false/fabricated/misleading. The authorized signatory of the tenderer should put his signature along with its stamp on each page of the Techno-commercial bid and should also record the date.

PART II 'PRICE BID':

- 2.33 The 'Price Bid' shall be submitted online in the prescribed BOQ format only. It is suggested that tenderer should carefully read the instructions mentioned in the Performa of BOQ. The Price Bid Form will be in spreadsheet format.
- 2.34 Tenderers are required to quote their rates **on per month basis** which includes all kind of expenses for execution of job as per company's required including installation/freight charges, civil work and IT Equipments required for the installation Maintenance Charges (CMC)
- 2.35 The rates quoted by the tenderer shall be inclusive of all applicable levies & duties **except Goods and service tax.**
- 2.36 The original Price Bid Form should be downloaded, filled and signed using the DSC. The Price Bid Form should not be changed or altered or tampered. If the Bid form is tampered and not submitted online in the prescribed format of BOQ the Bids will be summarily rejected.
- 2.37 The rates are to be quoted shall be only in INDIAN RUPEES (INR) only as per the price format. The rates quoted by the tenderer shall be inclusive of all applicable duties but exclusive of GST.
- 2.38 While quoting the price under this part, the tenderer shall specifically confirm that the prices quoted are for the scope of work detailed in technical specification of the tender document.
- 2.39 The Price Offer/Bid Form should not contain any conditional offers or variation clauses, otherwise the Bids will be summarily rejected.

DEADLINE FOR SUBMISSION OF BIDS:

- 2.40 The company may extend the deadline for submission of bids by issuing an amendment, in which case all rights and obligations of the company and of the tenderers, which were previously subjected to the original deadline, will then be subjected to the new deadline.

LATE BIDS/DELAYED BIDS:

- 2.41 No bid will be accepted by the company after the deadline prescribed in NIT due to any reason whatsoever.

OPENING OF THE TENDER:

- 2.42 The Techno-Commercial Bid of the offer will be opened as per NIT.
- 2.43 If the date fixed for opening of tenders happens to be a holiday for any reason, the tenders will be opened on the next working day at the same time.

VALIDITY OF OFFERS

- 2.44 The tender offers should remain valid and open for acceptance, for a period of **180 days** from the date of opening of the tenders. No modification or revision or withdrawal of the offer shall be allowed during the validity period or the extended validity period, if any. In case any tenderer does so, the Earnest Money Deposit of such tenderers shall be forfeited. In case of refusal to accept the job offered or failure to commence the work within the stipulated time period, the Earnest Money Deposit /Security Deposit, as the case may be, shall be forfeited.
- 2.45 In exceptional circumstances, prior to expiry of the original time limit, the company may request the tenderer to extend period of validity for a specified additional period. The request and the tenderer responses shall be made in writing. A tenderer if agreeing to the request will not be required or permitted to modify his bid.

BID SECURITY MONEY/ EARNEST MONEY DEPOSIT

- 2.46 Earnest Money Deposit as per NIT is to be furnished by Demand Draft / Pay Order / Banker's Cheque in favour of "Rajasthan state mines and minerals ltd." payable at Udaipur. This DD/ Pay Order should be enclosed and submitted with the Techno-Commercial offers. Offers without Earnest Money Deposit are liable to be rejected / ignored.
- 2.47 The Earnest Money Deposit shall not bear any interest.
- 2.48 The Earnest Money Deposit of the successful tenderer can also be appropriated towards security Deposit, if the contractor so desires. The Earnest Money Deposit of the disqualified tenderers, who have been disqualified in the techno-commercial evaluation, shall be refunded at the earliest.
- 2.49 The Earnest Money Deposit of the other tenderers shall be refunded after issuance of LOA/DLOA to the successful tenderer.
- 2.50 Offers without Earnest Money Deposit shall be summarily rejected. The Company shall not accept Earnest Money Deposit in any other form like cheque, Bank Guarantee, FDR's etc.
- 2.51 The Earnest Money Deposit shall be forfeited in the following cases:
- i.) If the tenderer withdraws or modifies the offer during the validity period of the offer.
 - ii.) If the tenderer does not deposit the prescribed security deposit in the prescribed time period.
 - iii.) If the tenderer does not execute the agreement in the prescribed format within the specified time.
 - iv.) If the tenderer provides false information/forged documents/false attestation of documents in the offer or thereafter to claim eligibility / qualify for the contract.

EVALUATION OF BIDS AND DETERMINATION OF RESPONSIVENESS:

- 2.52 Prior to the detailed evaluation of Bids, the Company will determine whether each Bid;
- i.) Meets the eligibility criteria;
 - ii.) Has been properly signed, dated & sealed;
 - iii.) Is accompanied by the required securities; and

- iv.) Is substantially responsive to the requirements of the bidding documents.
- 2.53 A substantially responsive bid is one, which confirms to all the terms, conditions, and pacification of the biding documents without material deviation or reservations. A material deviation or reservation is one;
- i.) Which affects in any substantial way the scope, quality or performance of the work; and /or
 - ii.) Which limits in any substantial way, inconsistent with the bidding documents, the company's right or the bidder's obligation under the contract; and /or
 - iii.) Whose rectification/acceptance would affect unfairly the competitive position of the other bidders presenting substantially responsive bids?

EVALUATION OF TECHNO-COMMERCIAL BID:

- 2.54 The techno-commercial bids of substantially responsive tenderer will be evaluated from all aspects The RSMML reserves the right to assess the capability and competency of the tenderer based upon the information provided by the tenderer in the techno-commercial bid and the information that may otherwise be available to and/or gathered by the RSMML. The decision of the RSMML as to which tenderer is capable & competent to carry out the work shall be final. The tenderer should, therefore, see that he has required level of technical, financial & managerial competence & experience before submitting the tender.
- 2.55 If a bid is not substantially responsive, it may be rejected by the company at its sole discretion.
- 2.56 The tenderer shall be prepared to furnish clarification/information and attend meetings /discussion as required by the company from time to time.

CRITERIA FOR DECIDING L-1 BIDDER

- 2.57 Price bid (Part-II) only of Techno-Commercially accepted tenders shall only be opened. **The tenderer whose quoted rates are resulting into the lowest financial outgo will be considered as L-1 bidder.**

NEGOTIATIONS: -

- 2.58 Negotiations will be conducted with the lowest tenderer only. In case of non-satisfactory achievement of rates from lowest tenderer, RSMML may choose to make a written counter offer to the lowest tenderer and if this is not accepted, RSMML may decide to reject and re-invite fresh tenders or to make the same counter-offer first to the second lowest tenderer, then to the third lowest tenderer and so on in the order of initial bidding, and work order be awarded to the tenderer who accepts the counter offer.
- 2.59 In the case, when the quotations given by the tenderer during negotiations is higher than the original quotation of the tenderer then the tenderer will be bound by the lower rate originally quoted by the tenderer.
- 2.60 In case of negotiations, representative of the tenderer attending negotiations must possess written authority from the tenderer to the effect that he is competent to modify/amend the submitted tender deviations and rates offered by them.

CORRECTION OF ERRORS:

- 2.61 Price Bid (Part–II) of substantially responsive will be checked by the Company for any arithmetical errors. Errors will be corrected by the Company as follows;
- i.) Where there is discrepancy between the amounts in figures and in words, the lower of the two would be taken; and
 - ii.) Where there is a discrepancy between the unit rate and the line item, total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern; and
 - iii.) Discrepancy in totaling or carry forward in the amount quoted by the contractor shall be corrected. The tendered sum so corrected and altered shall be substituted for the sum originally tendered and considered for acceptance instead of original sum quoted by the tenderer.
- 2.62 The amount stated in the bid will be adjusted by the company in accordance with the above procedure for the correction of errors and, shall be considered as binding upon the bidder.

PROCESS TO BE CONFIDENTIAL:

- 2.63 Information, relating to the examination, clarification, evaluation and comparison of bids and recommendations for the award of a contract shall not be disclosed to the bidders or any other person not officially concerned with such process. Any effort by a bidder to influence the company's processing of bids or award decision may result in rejection of his bid.
- 2.64 The tenderer may note that indulgence in submitting unsolicited offers or submitting unsolicited correspondence after submission of bid is liable to debar him from participating in RSMML tenders.

AWARD OF THE CONTRACT:

- 2.65 The Company shall communicate to the successful tenderer to accept their tender offer and thereafter the successful tenderer will have to execute an agreement on the prescribed format, which shall be consist tender document, DLOA /work order at contractor cost and expenses. The Performa shall be provided by the RSMML.

INTERFERENCE WITH PROCUREMENT PROCESS:

- 2.66 In case the bidder
- i) Withdraws from the procurement process after opening of financial bids;
 - ii) Withdraws from the procurement process after being declared the successful bidder;
 - iii) Fails to enter procurement contract after being declared the successful bidder;
 - iv) Fails to provide performance security or any other document or security required in terms of the bid documents after being declared the successful bidder, without valid ground;
- shall, in addition to the recourse available in the bidding documents or the contract be punished with fine under RTPP Act which may extend to fifty lac rupees or ten percent of the assessed value of contract, whichever is less.

RIGHTS OF COMPANY

- 2.67 The Company reserves the right -
- i.) To reject any or all the tenders, in part or in full, without assigning any reason there to,
 - ii.) Not to accept the lowest tender or assign reasons for not accepting the lowest tender.
 - iii.) To increase / decrease the quantity and period of contract, without any additional obligation on it.
 - iv.) Not to carry out any part of work.
 - v.) To reject the offer, if it is established that the tenderer has submitted any wrong /misleading information or forged documents along with offer or thereafter.
- 2.68 The company may exercise any of the above right at any time prior to the award of contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the RSMML's action.

REFUSAL / FAILURE:

- 2.69 In the event the tenderer, after the issue of communication of acceptance of tender by the company (LOA), fails/refuses to accept the award and/or commence execution of the work as herein before, the tenderer shall be deemed to have abandoned the contract and such an act shall amount to and be construed as the contractor's calculated and willful breach of contract, and in such an event the company shall have full right to claim damages/compensation thereof in addition to the forfeiture of Earnest Money/Security Deposit.

SECTION - III

GENERAL CONDITIONS OF CONTRACT (GCC)

INTERPRETATION OF CONTRACT DOCUMENT

- 3.1 Except if and to the extent otherwise provided by the contract, the provisions of the general conditions of the contract and special conditions of the contract shall prevail over those of any other documents forming part of the contract.
- 3.2 Several documents forming the contract are to be taken as mutually explanatory. Should there be any discrepancy, inconsistency, error or omission in the contracts or any of the matter may be referred to the Officer-In charge whose decision shall be final and binding.
- 3.3 In case of any inconsistency or contradiction between the provisions of General Conditions of Contract and Special Conditions of Contract, the Special Conditions of Contract shall prevail unless and until provided otherwise.

SECURITY DEPOSIT

- 3.4 The successful tenderer shall furnish a Security Deposit of 10 % of Total contract value to be ascertained on the basis of the contract rate of remuneration payable to the contractor and tendered quantity for the total period of the contract in following manner:
 - i.) The successful tenderer shall furnish Security Deposit @ 10% of Total contract value through Demand Draft in favour of RSMML, Udaipur / Bank Guarantee, within 30 days of the issuance of such communication of acceptance of tender/LOA, for due fulfillment of all or any of the terms & conditions of the contract. The Bank Guarantee shall be provided only in the approved format of the company from Public Sector Bank or Schedule private Bank, Au small finance bank having its branch at Udaipur on non-judicial stamp paper of 0.25% of BG value subject to maximum of Rs. 25000/-or on appropriate value under Indian Stamp Act prevailing on the date of issuance of BG. No amendment in this format shall be acceptable to the company. The Bank Guarantee shall be valid for the entire contract and/or extended period (if any), plus defect liability period, plus a grace period of six months. The Company shall be entitled to encash the same and appropriate the whole of the amount or part thereof against its claims /dues or sums payable as contained herein.
 - ii.) The successful tenderer may also opt to furnished SD by Fixed Deposit Receipt (FDR) equivalent to 10% of Total contract value issued from any Public Sector Bank or Schedule private Bank having its Branch office at Udaipur. FDR shall be in the name of RSMML on account of Successful bidder and discharged by him in advance. The accepting authority shall ensure, before accepting the Fixed Deposit Receipt, that the successful bidder furnishes an undertaking from the bank to make payment/premature payment of the Fixed Deposit Receipt on demand to the Company without requirement of consent of the successful bidder. In the event of forfeiture of the security deposit, the Fixed Deposit shall be forfeited along with interest earned on such Fixed Deposit without protesting by the contractor/him

- iii.) The successful tenderer at the time of signing of the contract agreement, may submit an option for deduction of security from each running bill @ 10% of the amount of the bill. Further, in such case, the amount of bid security of successful bidder may be adjusted in arriving at the amount of the performance security, or refunded if the successful bidder furnishes the full amount of security deposit.
- 3.5 The entire Security Deposit shall be refunded after the expiry of defect liability period of 3 years plus a grace period of six months, provided the Contractor has fulfilled all contractual obligation and rendered "No claim and No Dues Certificate" to the Company.
- 3.6 The Security Deposit shall be liable to be forfeited wholly or partly at the sole discretion of the Company, should the Contractor either fail to fulfill the contractual obligations or fail to settle in full, his dues to the Company. In case of premature termination of the contract, the Security Deposit will be forfeited and the Company will be at liberty to recover the loss suffered by it from the Contractor.
- 3.7 The Company may deduct from the Security Deposit any sum due and any other sum that may be fixed up by the Company as being the amount of loss or losses or damages suffered by it due to delay in performance and/or non-performance and/or partial performance of any of the terms of the contract.
- 3.8 All compensation or other sums of money payable by the Contractor to the Company or recoveries to be made under the terms of this contract may be deducted from any sums which may be due to the Contractor from the Company on any account and in the event of the such amount being insufficient the Contractor shall within ten days of such shortfall make good in cash, failing which the balance amount shall be recovered by way of invoking the bank guarantee furnished as security.
- 3.9 In the event of bank guarantee amount being insufficient, then the balance recoverable amount shall be deducted from any sum, then due or which at any time thereafter may become due to the contractor. The Contractor shall pay to the company on demand any balance remaining due.
- 3.10 In case the Bank Guarantee is invoked for any reason/s, the contractor is required to furnish a fresh Bank Guarantee in the same format for the same amount and for the same period as the original Bank Guarantee within a period of 30 days from the date of invoking of original Bank Guarantee.
- 3.11 In the event of security amount at any time during the currency of the contract falling short of the specified amount, the Contractor shall forth with make good the deficit on demand, so that the total amounts of Security Deposit will not at any time be less than the amount so specified. The Company may recover the same by way of additional deductions from bills.
- 3.12 No interest is payable on S.D. amount.
- 3.13 In case of enhancement of quantum of work, due to any reason, the contractor shall furnish additional security amount. This security will be recovered from the payment due to the contractor.

ADDITIONAL PERFORMANCE SECURITY

- 3.14 In addition to Performance Security as specified in rule 75 of RTPP Act & rules, an Additional Performance Security shall also be taken from the successful bidder in case of unbalanced bid. The Additional Performance Security shall be equal to fifty percent

of Unbalanced Bid Amount. The Additional Performance Security shall be deposited in lump sum by the successful bidder before execution of Agreement. The Additional Performance Security shall be deposited through e-Grass, Demand Draft, Banker's Cheque, Government Securities or Bank Guarantee.

Explanation:

For the purpose of this rule-

- i) Unbalanced Bid means any bid below more than fifteen percent of Estimated Bid value.
- ii) Estimated Bid Value means estimated value of the work as mentioned in bidding documents.
- iii) Unbalanced Bid Amount means positive difference of eighty five percent of Estimated Bid Value minus Bid Amount Quoted by the bidder.

3.15 The Additional Performance Security shall be refunded to the contractor after satisfactory completion of the entire work. The Additional Performance Security shall be forfeited by the Procuring Entity when work is not completed within stipulated period by the contractor.

PROVIDENT FUND

3.16 The contractor shall be wholly responsible for complying with the fulfillment of the provisions of the Employees Provident Fund and Miscellaneous provisions Act, 1952 including subsequent amendments & notifications, in respect of the employees engaged for the work.

3.17 The Contractor shall have to get himself registered (if not already registered) with the Regional Provident Fund Commissioner (RPFC) under the Employees Provident Fund and Miscellaneous Provisions Act, 1952. Tenderer is required to submit the copy of the PF Registration Number received from RPFC office before starting the work, failing which the contract is liable to be terminated.

3.18 However, each running account / Final bill must be submitted along with the name of the labour/employee deployed for the work, wages / salaries paid to them, amount of PF deducted from salaries of the labour/employees and employer's contribution, amount deposited in RPFC office/Trust against each employee's name and copy of the challan for the amount deposited in RPFC office/Trust till previous month, failing which no payment will be made for Running Account bill submitted by the contractor to the Engineer-In-Charge.

3.19 Contractor's who are not coming under the purview of EPF & MP Act and do not have the PF registration number should submit an affidavit on non-judicial stamp-paper of Rs.50/- as per Annexure-G.

RATES & TAX DEDUCTION AT SOURCE: -

3.20 The rate quoted by the bidder will be exclusive of Goods & Service Tax (GST). However, the rates will be inclusive of any other levis and duties, as applicable on this contract (up to last date of submission of bid).

- 3.21 The rates quoted shall be on 'firm price' basis during the pendency of the contract period and the contractor shall not be eligible for any escalation (except as mentioned in the tender document) in rates on whatsoever ground.
- 3.22 Timely deposition of GST and filing of requisite tax returns of relevant tax period would be the sole responsibility of the contractor. The contractor will also ensure that necessary credit on this account is available to RSMML in the next month. In case of any discrepancy where credit is not available to RSMML then company is free to deduct/recover/retain such amount from the bills of contractor or any other amount due to him/ or from Security deposit, as the case may be.
- 3.23 In case of reversal of Input Tax Credit (ITC) and imposition of penalty on account of payment of GST and default in filing of returns towards the payment for the work, contractor is liable to pay all such dues to the company, failing which RSMML is free to deduct/recover/ retain such amount from the bills of contractor or any other amount due to him/ or from Security deposit, as the case may be.
- 3.24 Further, the contractor shall submit an undertaking with monthly bills bearing GSTIN and HSN/SAC code that total GST has been deposited and returns have been filed for relevant tax period.
- 3.25 The company shall be fully entitled to deduct Income Tax and/or any other taxes levied at source as per the rules and instructions as may be applicable for this purpose from time to time.

VARIATION IN STATUTORY TAXES, DUTIES & LEVIES:

- 3.26 Any fresh imposition /withdrawal or variation in statutory duties, taxes or levies made by statutory authorities after the last date of submission of bids, will be reimbursed to contractor or recovered by the Company, as the case may be. The reimbursement to/recovery from the contractor will be made against submission of supporting documents and for only such taxes/duties/levies that are directly applicable to the contract and reflected in his running bills.
- 3.27 The company shall fully entitle to deduct income tax and/or any other levies at sources as per the rules and instructions as may be applicable for this purpose from time to time.

COMPANY NOT LIABLE TO PAY COMPENSATION:

- 3.28 The Contractor shall have no claim against the Company for any business loss, idle charges compensation upon failure, delay, omission etc. on the part of the Company to carry out any or all the provisions of the contract for any reason whatsoever. The Company's decision in the matter shall be final and binding on the Contractor.

ASSIGNMENT & ADDITIONAL CONTRACTS

- 3.29 The contractor shall not, at any time, transfer, assign or sublet this contract or any part thereof to any other agency without written consent of the Company. But such consent of the Company, if given shall not relieve the Contractor from any liability or obligation under this contract and the Contractor shall be responsible for all acts, defaults and neglects of the sub-contractor, his agent and employees fully as if those are the Contractor's own acts. The RSMML shall have a right to engage any other contractor for similar or other kind of job as may be deemed necessary by the RSMML.

LEGAL & STATUTORY OBLIGATIONS:

- 3.30 The Contractor shall comply with all statutory obligations including the provisions of the Mines Act, Labour Laws, Payment of Wages Act, Minimum Wages Act, Provident Fund Act, Gratuity & Bonus Acts, Motor Transport Workers Act, Motor Vehicle Act, Workmen's Compensation Act, Contract Labour (Regulation & Abolition) Act, 1970, RTPP Act or any other act or acts or laws or rules with statutory modifications thereof as are in force or as may be applicable during the currency of this contract. The Contractor shall be responsible to submit/file all or any returns that may be necessary and/or required to be furnished by the Company or by the Contractor to the State or Central Government or any other Government authorities or local authority or body.
- 3.31 The Contractor in whose favor the tender is awarded shall be required to furnish necessary information under Contract Labours (Regulation & Abolition) Act, 1970, Mines Act and Rules & Regulations made there under to the GM (P&A) of the company before starting the work. The Contractor shall obtain license under the above act/s.
- 3.32 The contractor, in addition to the above, shall be wholly responsible and liable to comply with the provisions of the various Acts, statutes, Rules, Regulations, Instructions, Judgments, decisions, as existing and/or may be applicable in respect of the Mines and/or working thereof, during the period of this contract. If due to failure of the contractor to comply with any or all its obligations stipulated herein or elsewhere in these terms and conditions, any liability devolves on the RSMML, then the contractor shall be liable to meet and pay such liability and all costs, expenses, charges, risks etc., shall be recovered immediately from the bills/security money, etc., of the contractor. Non-compliance of this clause by the contractor will also constitute a breach of agreement on the part of the contractor.

LIABILITY FOR ACCIDENT TO PERSONS

- 3.33 Besides the liabilities of the Contractor under the "Workmen's Compensation Act", Fatal Accident Act, M.V. Act, "Mines Act" the following shall also apply to the Contractor.
- 3.34 On the occurrence of any accident resulting in death or bodily injury to a workman employed by the contractor, the Contractor shall be liable for intimating within 8 (eight) hours of happening of such accident/s in writing to the Engineer-in-Charge the fact of such accident in addition to the Mines Manager. The Contractor shall indemnify the Company, against all claims/compensation, loss or damage sustained by the Company resulting directly or indirectly from his failure to give intimation in the matter aforesaid, including the penalties or fines, if any, payable by the company as consequences of workmen's Compensation Act, Fatal Accident Act, Motor Vehicle Act, Mines Act or otherwise to conform to the provisions of the said Act/s in regard to such accident.

SUBLETTING OF CONTRACT

- 3.35 The contract shall not be assigned or sublet without the written approval of the Engineer-in-charge and if the contractor shall assign or sublet his contract or attempt to do so or becomes insolvent or commences any insolvency proceedings or make any composition with the creditors or attempts to do so or any bribe, gratuity, gift, loan

requisite reward or advantage, pecuniary or otherwise shall either directly indirectly be given, promised or offered by (he contractor or any of his servants or agents to any employee of the Company in any way relating to his office or employment, or it any such officer or person shall become in any way directly or indirectly interested in the contract, the Engineer-in-Charge may thereupon by notice in writing rescind the contract, and the security deposit of the contractor shall thereupon stand forfeited and be absolutely at the disposal of the company and the same consequences shall endure as if the contract had been rescinded under the relevant clause and in addition the contractor shall not be entitled to recover or being paid for any work therefore actually performed under the contract.

PROGRESS TO ACCOMMODATE WORKING OF OTHER CONTRACTORS

3.36 If the progress of the work has fallen as much in arrears as to prevent other contractors on the work from carrying out their part of the work within the stipulated time, he will be liable for the settlement of any claim put in by any of these contractors for the expenses of keeping their labour unemployed to the extent considered reasonable by the Engineer-in-charge.

EMPLOYEES OF THE CONTRACTOR

3.37 The Engineer-in-charge may require the removal within twenty-four hours by the contractor of any, agent, Engineer, Workman or other person employed by him on the work contracted for and in the event of the contractor refusing or neglecting to comply with such requisition no further payment will be made on account of the work until the said removal is carried out and the Company shall not be liable for any compensation whatsoever.

PROTECTION TO PLANTATION

3.38 The contractor shall not fire to any standing jungle trees, brushwood or grass without a written permit from the Engineer-in-charge.

3.39 When such permission is given and also in all cases when destroying, out or dug up trees, brushwood, grass etc. by fire the contractor shall take necessary measures to prevent such fire spreading to or otherwise damaging surrounding property. Any damage caused by the spreading of such fire, whether in or beyond the limits of the Company's property shall be made good by the contractor within a period specified by the Engineer-in-charge or on default the amount of the damage may be made good by the Engineer-in-charge the expense being recovered from the contractor as damages, or deducted by the Engineer-in-charge from any sums that may be due or become due from the Company to the contractor under this contract or otherwise.

3.40 The contractor shall bear the expenses of defending any action law proceedings that may be brought by any person for injury sustained owing to neglect or precautions to prevent spread of fire and shall pay any damages and cost that may be awarded in consequences.

OTHER RESPONSIBILITIES OF CONTRACTOR

- 3.41 The contractor shall be responsible for providing Shelter, Accommodation, Drinking Water, Medical aid etc. to his/their employees.
- 3.42 The contractor alone shall be responsible for providing all tools, tackles, implements etc. required for accomplishment of work.
- 3.43 The contractor alone shall be responsible and liable for payment of costs, charges, fee etc. for discharge of all legal and statutory obligation
- 3.44 The contractor shall have to arrange for lighting etc. for carrying out the work as required herein.
- 3.45 Safety & discipline of the labour/ workers staff employed by him
- 3.46 The company shall not in any manner be responsible for any or part of the above litigations of the contractor, if any expenditure incurred by the company on the above items, that will be recovered from the contractor's bills/security deposits.

RIGHT TO REVIEW PERFORMANCE.

- 3.47 The company reserves the right to review and assess the performance of the work at any time during the contract period. In case of poor or unsatisfactory performance and/or breach of any terms and conditions of the contract, the company in its absolute rights and discretion may take appropriate action including termination of the contract & forfeiture of security deposit.
- 3.48 The company shall have absolute right to determine and ascertain the damages or losses suffered by it due to poor performance or breach of the terms and recover the costs thereof from the contractor from the security deposit or any sum due to the contractor from the company. The Company shall also have absolute right to get the work done from any other agency at the risk and cost of the Contractor, in case, the contractor fails to perform the work continuously for more than 3 days and difference in such rates if any, shall be borne by the contractor.

POWERS TO DETERMINE THE CONTRACT

- 3.49 The Competent authority may without prejudice to his right against the contractor in respect of any delay or inferior workmanship or otherwise or to any claims for damage in respect of any breaches of the contractor and without prejudice to any rights or remedies under any of the provisions of this contract or otherwise and whether the date for completion has or has not elapsed, by notice in writing absolutely determine the contract in any of the following cases: -
 - (i) If the contractor having been given by the Engineer-in-charge a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in any inefficient or otherwise improper or unworkman-like manner, comply with the requirements of such notice a period of seven days thereafter or if the contractor shall delay or suspend the execution of the work so that either in the judgment of the competent authority he will be unable to secure completion of the work by the date for completion or he has already failed to complete the work by that date.

- (ii) If the contractor being a company shall pass a resolution or the court shall make an order that the company shall be wound up or if a receiver or a manager on behalf of a creditor shall be appointed or if circumstances shall arise which entitle the court or creditor to appoint a receiver or a manager or which entitle the or make winding up order.
- (iii) If the contractor commits breach of any of the terms and conditions of the contract.
- (iv) If the contractor commits any acts mentioned in clause related to subletting and when the contractor has made himself liable for action under any of the cases aforesaid, the competent authority on behalf of the RSMM shall have powers: -
 - (a) To determine and/or rescind the contract as aforesaid (*of which term in attention or rescission notice in writing to the contractor under the hand of the Engineer-in-charge shall be conclusive evidence*). Upon such determination or rescission, the security deposit of the contractor shall be liable to be forfeited and shall be absolutely at the disposal of the company.
 - (b) To employ labour paid by the company and to supply materials to carry out the works or part of the work debiting the contractor with the cost of the labour and the price of the materials (of the amount of which cost and price certified by the Engineer-in-charge shall be final and conclusive against the contractor) and crediting him with the value of the work done in all respects in the same manner and at the same rates as if it has been carried out by the contractor under the terms of his contract. The certificate of the Engineer-in-charge as to the value of the work done shall be final and conclusive against the contractor, provided always that action under the sub-clause shall only be taken after giving notice in writing to the contractor. Provided also that if the expenses incurred by the company are less than the amount payable to the contractor at his agreement rates, the difference should not be paid to the contractor.
 - (c) After giving notice to the contractor to measure up his work and to take such part thereof as shall be un-executed out of his hands and to give it to another contractor to complete, in which case any expenses which may be incurred in excess of sum which would have been paid to the original contractor if the whole work had been executed by him (of the amount of which the excess certificate in writing of the Engineer-in-charge shall be final and conclusive) shall be borne and paid by the original contractor and may be deducted from any money due to him by company under this contract or on any other account whatsoever or from his security deposit or the proceeds of sale thereof a sufficient part thereof as the case may be.

3.50 In the event of any one or more of the above course being adopted by the competent authority the contractor shall have no claim to compensation for any loss sustained by him by reason of his having purchased or procured any material or entered into any engagements or made any advances on account of or with a view to the execution of the work or the performance of contract. And in case action is taken under any of the provision aforesaid the contractor shall not be entitled to recover or be paid any sum for

any work thereof actually performed under this contract unless payable in respect thereof and he shall only be entitled to be paid the value so certified.

TERMINATION OF THE CONTRACT

- 3.51 In case of failure to perform the job as required under this tender or observe any of the terms and conditions by the contractor, the company shall give a notice to rectify the default or breach within 15 days. Failure to rectify such default/breach may result in termination of the contract and forfeiture of EMD/security deposit without any prejudice to the company's rights to claim damages/costs/loss etc. caused by such default/breach. Such termination shall not absolve the contractor of the liabilities accruing till the date of such termination.
- 3.52 The contract may also be terminated in the event the contractor is being adjudged insolvent or going into Liquidation or Winding up of their business, or making arrangement with their creditors.
- 3.53 Notwithstanding anything contained herein above, the company in its absolute discretion may at any time terminate the contract without assigning any reason thereof by giving 15days' notice to the contractor at their last notified address. In such an event the contractor shall not be entitled to raise any claim or demand for compensation, loss of profit and/or damages and/or losses or costs by reason of such earlier termination on any ground whatsoever.

RISK & COST

- 3.54 The Company shall have full right to forfeit the wholly or partly security deposit and payment of other pending bills payable to the contractor for non-fulfillment of the contractual obligations within the scheduled/specified time period. The work can be completed by engaging third party at the risk and cost of the contractor.

TIME EXTENSION

- 3.55 If the contractor shall desire an extension of the time for completion of the work in the grounds of his having been unavoidably hindered in its execution or any other grounds, he shall apply in writing to the Engineer-in-charge in that behalf within 30 days of the date of the hindrance on account of which he desired such extension as a foresaid and the competent authority shall if in his opinion (which shall be final & binding on the contractor) reasonable grounds be shown therefore authorize in writing such extension of time, if any as may in his opinion be necessary or proper. If the period of completion of contract expires before the expiry of the period of one month provided in this clause the application for extension shall be made before the expiry of the period stipulated for completion of the contract.
- 3.56 Failure or delay by the Company to hand over to the Contractor possession of the land necessary for the execution of the works, or to provide the necessary drawings and instructions, or any other delay by the Company due to any other cause, whatsoever shall in no way affect or vitiate the contractor alter the character there of or entitle the Contractor to damages or compensation thereof, provided, however, that the Company without any financial liability may extend the time for completion of the work by such period as it may consider necessary or proper.

APPEALS:

3.57 Subject to section 40, of Rajasthan Transparency in Public procurement Rules 2013, if any bidder or prospective bidder is aggrieved that any decision, action or omission of the procuring entity is in contravention to the provision of this act or the rules or guidelines issued there under, he may file an appeal to designated First and Second appellate Authority within a period of ten days from the date of such decision or action, omission as the case may be clearly given the specific ground on which he feels aggrieved on the form no.1 (see rule 83) – Memorandum of Appeal under the Rajasthan Transparency in public procurement Act – 2012 with prescribed fees.

DISPUTE & JURISDICTION

- 3.58 The place of the contract shall be Udaipur, Rajasthan. In cases of any differences, the same shall be resolved by mutual discussions and agreement. However the decision of the company shall be final and binding.
- 3.59 No courts other than the courts located at Udaipur, Rajasthan shall have jurisdiction over any matter concerning any aspect of the work under this tender.
- 3.60 The contractor shall not stop or abandon the work due to and during the pendency of such disputes or differences.

SECTION IV

4.1 SCOPE OF WORK & SPECIAL CONDITIONS OF CONTRACT

The scope under this tender shall include Implementation of an integrated system comprising RFID tracking, electronic weighbridges, Automatic Number Plate Recognition (ANPR), and seamless integration with the existing Enterprise Resource Planning (ERP) system on rental basis with monthly subscription payment for complete solution at RSMML's Rock Phosphate Jhamarkotra Mines, Udaipur.

The installed system should be operated and maintained by the contractor throughout the contract period and will receive the monthly subscription payment as agreed and accepted by the RSMML. Brief details of the work is as under :

4.2 Introduction

Purpose:

Rajasthan State Mines & Minerals Limited (RSMML) is a premier public sector enterprise under the Government of Rajasthan, dedicated to harnessing the state's abundant mineral resources responsibly. As one of India's leading mining undertakings, RSMML excels in the production and marketing of non-metallic minerals, maintaining a prominent position.

RSMML operates as a multi-mineral and multi-location enterprise engaged in the mining of Rock Phosphate, Lignite, SMS-grade Limestone, and Gypsum with offices at Udaipur, Jodhpur, Jaipur and Bikaner. Our diversified operations cater to various industrial sectors, significantly contributing to industrial and energy needs.

To enhance stakeholder experiences, RSMML is committed to delivering end-to-end solutions. RSMML has automated its Sales and Marketing Processes, ensuring seamless interactions for customers through online portals, real-time tracking, and comprehensive digital services.

Implementing a robust vehicle tracking system using RFID technology and electronic weighbridges is crucial to mitigate the theft risks. This proposal outlines the necessity and benefits of integrating RFID-ANPR-CCTV-Boom Barrier based vehicle tracking and proper vehicle placement on weighbridge to enhance security, accuracy, and operational efficiency.

Objective:

To enhance operational integrity and prevent mineral theft by implementing a comprehensive vehicle tracking system using RFID-ANPR-CCTV-Boom Barrier based technology combined with electronic weighbridges. This system aims to strengthen monitoring, ensure accurate weighment, and maintain stringent control over mineral extraction and transportation processes.

4.3 Present Scenario: Phosphate SBU Overview

Company Overview:

Phosphate SBU is a pivotal division of RSMML, primarily engaged in the mining of Rock Phosphate ore. Operating one of the largest and fully mechanized mines in the country located at Jhamarkotra, 26 Kms from Udaipur, Phosphate SBU plays a critical role in India's agricultural economy. Given that only about 35% to 40% of the raw material requirement for phosphatic fertilizer production is met through indigenous sources, the remaining demand is fulfilled through imports such as rock phosphate, phosphoric acid, and direct fertilizers. In this

context, the Jhamarkotra mine is indispensable, contributing a staggering 98% of India's rock phosphate production.

4.4 Current Operations:

Phosphate SBU is involved in the mining and sale of various products, including:

- **Rock Phosphate**
- **M-Sand**
- **Tailings (IBP Waste)**
- **Overburden (OB Waste)**

It is a strategic interest in enhancing and strengthening vehicle movement within the mines and during dispatches to preempt any potential security vulnerabilities and optimize operational efficiency. The details as follows

Weighbridges for Dispatches:

The following weighbridge points are identified for VTS installation to monitor and control vehicle movements effectively:

1. Weighbridge 1 – IN/OUT vehicle Entry only
2. Weighbridge 2 – IN/OUT vehicle Entry only
3. Weighbridge 3 – IN/OUT vehicle Entry only
4. Weighbridge 4 – InNOUT vehicle Entry only
5. Weighbridge SO – IN/OUT vehicle Entry
6. Weighbridge Ambika – IN/OUT vehicle Entry
7. Weighbridge Prajal – IN/OUT vehicle Entry
8. Weighbridge RKC – IN/OUT vehicle Entry
9. Weighbridge Tailing – IN/OUT vehicle Entry

Stockyards for Dispatches:

The following stockyard points are identified for VTS installation to monitor and control vehicle movements effectively:

1. BRP- Concentrate Yard, IBP
2. 30% CRP – 30% CRP stack at RKC Crusher
3. 30% CRP – 30% CRP stack at NCP
4. 31.5% CRP – 31.5% stack at NCP
5. 18% LGO for Grinding Unit – 18% LGO Stack at NCP
6. Secondary Ore – SO stack in mining area
7. Tailings – Tailing Dam near GSF
8. Tailings – Tailings Dam at Base Camp
9. RAJPHOS – RKD Grinding Unit
10. GRP-RKD Grinding Unit
11. M-sand/Aggregate – Ambica M-sand plant
12. M-sand/Aggregate – Prajal M-sand Plant
13. M-sand/Aggregate – RKC Alliance M-sand Plant

Present and Proposed Check Posts:

To ensure stringent monitoring and security, the following exit points will require for VTS installation:

1. Main Gate (In/Out Only Entry and Exit for vehicles carrying mineral)
2. Base Camp Naka
3. Crossing public road on route to SO Crusher
4. Exit location from Haul Road to SO Crusher in F-block
5. Check post on road from Jhameshwar temple to SO Crusher
6. Check post on road from SO Crusher to Jagat
7. F-block dumping yard, overseeing upcoming OB dispatches

Implementing RFID-ANPR-CCTV-Boom Barrier based technology at these critical points will facilitate real-time tracking of vehicles, ensure accurate weighment, and enhance overall security, thereby supporting Phosphate SBU's operational goals and safeguarding against potential mineral theft.

4.5 Proposed Solution: RFID-ANPR-CCTV-Boom Barrier, Electronic Weighbridge & Integration with ERP

To address the identified challenges and enhance the security and efficiency of vehicle movements within the Phosphate SBU operations, it is propose the implementation of an integrated system comprising RFID tracking, electronic weighbridges, Automatic Number Plate Recognition (ANPR), and seamless integration with the existing Enterprise Resource Planning (ERP) system. This holistic solution will provide comprehensive monitoring and control over vehicle movements, weighment processes, data accuracy, and operational workflows.

4.5.1 RFID Tracking

Technology Overview: Radio Frequency Identification (RFID) is a wireless technology that uses electromagnetic fields to automatically identify and track tags attached to objects—in this case, vehicles. Each vehicle will be equipped with an RFID tag that communicates with RFID readers installed at strategic points within the mining and dispatch areas.

Features and Capabilities:

- **Real-Time Tracking:** Enables continuous monitoring of vehicle locations within the mine and during dispatch operations.
- **Automated Identification:** Eliminates the need for manual logging, reducing errors and enhancing data accuracy.
- **Scalability:** Capable of handling a large number of vehicles simultaneously without significant performance degradation.
- **Durability:** RFID tags and readers designed to withstand harsh mining environments, including dust, vibrations, and temperature fluctuations.

Implementation Strategy:

- **Tagging Vehicles:** Equip all vehicles entering and operating within the mine with durable RFID tags.
- **Reader Installation:** Install RFID readers at key locations, including entry/exit points, stockyards, and critical dispatch areas.
- **Software Integration:** Implement RFID management software that interfaces with the central data system to collect and analyze vehicle movement data.
- **Testing and Calibration:** Conduct thorough testing to ensure reliable tag reading and system accuracy across all operational areas.

4.5.2 Automatic Number Plate Recognition (ANPR) with CCTV

Technology Overview: AI based ANPR technology uses optical character recognition on images to read vehicle license plates automatically. This system enhances vehicle identification by capturing license plate information as vehicles enter and exit the mine premises.

Features and Capabilities:

- **Enhanced Security:** Provides an additional layer of vehicle identification, complementing RFID tracking and preventing unauthorized access.
- **Data Accuracy:** Reduces reliance on RFID tags alone, ensuring accurate vehicle identification even if RFID tags are damaged or malfunctioning.
- **Integration Flexibility:** Can be integrated with existing security systems and central data management platforms.
- **Real-Time Alerts:** Generates immediate alerts for any discrepancies or unauthorized vehicle movements based on license plate data.
- **Implementation Strategy:**
- **Camera Installation:** Deploy high-resolution ANPR cameras at all main entry and exit points, including the main gate and key check-posts.
- **Software Deployment:** Implement ANPR software capable of real-time license plate recognition and integration with RFID and weighbridge data.
- **System Configuration:** Configure the ANPR system to cross-reference license plate data with RFID and weighbridge records for comprehensive vehicle tracking.
- **Testing and Optimization:** Conduct testing to ensure accurate license plate recognition under various lighting and weather conditions, adjusting camera placements and software settings as needed.

4.5.3 Electronic Weighbridge Integration

Weightment Process Enhancement: Electronic weighbridges automate the process of weighing vehicles, ensuring precise measurement of mineral loads. Weighbridge centring and integrating RFID with weighbridges will streamline the weightment process by automatically identifying vehicles and recording accurate weights.

Features and Capabilities:

- **Automated Identification:** RFID readers at weighbridge points automatically identify vehicles as they approach, associating each weighment with the correct vehicle.
- **High Accuracy:** Advanced sensors and calibration ensure precise weight measurements, minimizing discrepancies.

- **Data Integration:** Seamlessly integrates weighment data with RFID tracking and central management systems for comprehensive reporting and analysis.
- **User-Friendly Interface:** Intuitive software interfaces for monitoring weighbridge operations and managing data records.

Implementation Strategy:

- **Weighbridge Upgrade:** Retrofit existing weighbridges with electronic sensors and RFID readers.
- **System Integration:** Connect weighbridge systems to the central RFID and data management platform to ensure seamless data flow and synchronization.
- **Training:** Provide training to operational staff on using and maintaining the electronic weighbridge systems.
- **Validation:** Perform extensive validation to ensure weighbridge accuracy and system reliability under operational conditions.

4.5.4 ERP Integration

Integration Overview: Integrating the RFID, Electronic Weighbridge, and ANPR systems with the existing ERP system is essential for automating workflows, ensuring data consistency, and enabling real-time decision-making. This integration will facilitate seamless communication between operational systems and enterprise-level management tools.

Process Workflow:

1. Vehicle Entry at Main Gate:

- **Vehicle registration and RFID Tag installation:** All vehicles coming first time will be uniquely identified RFID tagged. RFID tagged vehicle should be allowed. Vehicle classification as Loading and Administrative. All vehicles should be allowed using AI base ANPR and entry of each vehicle into system.
- **RFID and ANPR Authentication:** The vehicle is authenticated through RFID tag scanning and ANPR license plate recognition at the entry point.

2. Vehicle Entry (IN):

- **ERP API Call:** When a vehicle approaches the weighbridge gate, the ERP system initiates an API call, updating it with defined stockyards and assigned routes for loading specific products. The data recording will be done at both ERP as well as VTS using API services
- **RFID:** The vehicle is authenticated through RFID tag scanning and image should be captured with camera.
- **Placement of vehicle:** When vehicle reaches at weighbridge, the placement sensor should be activated and automatically announce and direct the driver for proper placement before IN weight capture.
- **Route Assignment:** Based on ERP data, the vehicle is directed to the appropriate stockyard for loading and proper data to be updated in VTS for further tracking and authentication of vehicle at the stockyard as assigned.

3. Vehicle Authentication and Loading:

- **Stockyard Authentication:** Upon reaching the assigned stockyard, the vehicle undergoes another RFID to confirm its assigned route and authorized status.
- **Controlled Loading:** Loading of products is permitted only for authenticated vehicles, ensuring that only authorized loads are handled.

4. Vehicle Exit (OUT):

- **Placement of vehicle:** When vehicle reaches at weighbridge, the placement sensor should be activated and automatically announce and direct the driver for proper placement before IN weight capture.
- **Weighbridge Validation:** Before exiting, the vehicle passes through the electronic weighbridge where its load is accurately measured. VTS and RFID reader will check the vehicle route and only allow when the route followed as assigned. And in case of any violation at any point, alarm should be generated and vehicle rawana generation should not be allowed till all verification and correction done by the vigilance team.
- **Rawana Generation:** Only upon successful validation—ensuring correct loading and RFID stockyard confirmation—does the ERP system generate a rawana (dispatch document/permit).
- **ERP API Call:** The ERP system updates the dispatch status, ensuring that all records reflect accurate loading and transportation data in both ERP and VTS.

Features and Capabilities:

- **Automated Data Exchange:** Ensures that data flows seamlessly between RFID, weighbridges, ANPR, and the ERP system without manual intervention.
- **Real-Time Updates:** Enables real-time monitoring and updates within the ERP system, enhancing visibility and control over vehicle movements and load management.
- **Enhanced Data Accuracy:** Minimizes errors by automating data entry and validation processes, ensuring that records in the ERP system are accurate and up-to-date.
- **Workflow Automation:** Streamlines operational workflows, reducing processing times and increasing overall efficiency.
- **Comprehensive Reporting:** Facilitates detailed reporting and analytics within the ERP system, enabling informed decision-making and strategic planning.

Implementation Strategy:

- **API Development:** Develop and deploy APIs that facilitate secure and efficient communication between the ERP system and the integrated RFID, Weighbridge, and ANPR systems.
- **System Configuration:** Configure the VTS system to handle incoming data from the RajERP systems, mapping data fields appropriately to ensure consistency.
- **Testing and Validation:** Conduct extensive testing to ensure that the ERP integration functions correctly, accurately reflecting vehicle movements and load data.
- **Training:** Provide training to relevant staff on managing and utilizing the integrated ERP system for vehicle tracking and dispatch management.

- **Vigilance Team:** A team will be formed to take immediate corrective action in case of any alert generation or violation at any point. The Vigilance Officer in each shift shall be deployed by RSMM along with supporting staff and security guard at Command Center.

4.5.5 Technical Details of the Project

1. The project seeks to implement RFID-ANPR-CCTV-Boom Barrier based vehicle tracking and proper vehicle placement on weighbridge with integration of existing RajERP and with complete command center setup. Vehicle Tracking System on rental basis for 5 years with monthly subscription payment for complete solution in Phosphate SBU.
2. The proposed solution (here in after referred to as VTS system) shall be an integrated system comprising of a solution that will be implemented as mentioned below:
 - a. The VTS system shall manage access to weighbridges, check-posts, stockyards and other vulnerable locations, wherein synergy between various hardware, all accessories and associated software along with interconnectivity between all sub-systems have to be ensured and provided by bidder on turnkey basis as per **the proposed location as mentioned in point 2.0. The broad specification and minimum number for major component as provided in Annexure 1 and 2.** All the vehicles to be tagged with RFID tags in form permanent or temporary. The expected vehicles may be approximately 2000 for the first year.
 - b. The system shall manage and monitor all authorized access control points, correct placement of tippers with proper weighment on weighbridge platform and tracking of vehicles while vehicle enter into mine area and exit. All loader will also be RFID tagged and their location will be assigned in VTS to operate in particular area. The system shall possess a robust mechanism for real-time integration of all the process points (viz., entry-exit check-posts, weighbridges, etc.) with a centralized cloud platform (Rajasthan State Data Centre) so as to facilitate data transfer to RajERP server and to avoid redundant manual entries at each step by ensuring data replication at these process points. The data generated from these process points shall be integrated with the data of Vehicle Tracking System to give a complete overview of the trip undertaken by a vehicle plying in mine premises.
 - c. All devices should be connected with proper power backup/UPS (minimum two hours) and should provide uninterrupted dispatches.
 - d. Integration Sequence for the VTS System at Main Gate at the time IN as follows
 - Tagging of RFID tags and Number Stickers to the vehicle and capturing vehicle information, if the vehicle is transacted for the first time in the mining area
 - Vehicle arrives at the main gate VTS detects the vehicle
 - Trigger sent to RFID reader & ANPR camera
 - RFID reader scans tag
 - ANPR scans labels/number plate
 - Boom barrier opens allowing the vehicle to pass through main gate
 - The alarm module of vehicle tracking system is activated.
 - e. Integration Sequence for the VTS System at Weighbridge IN as follows

- Vehicle arrives at the weighbridge application detects the vehicle
 - Trigger sent to RFID Reader
 - RFID reader scans tag and check for authorized at main gate
 - Vehicle positions itself via position sensors at centre of the weighbridge
 - Weight stabilizes
 - Vehicle number mapped with details of Stockyard/Route assigned & weight displayed on the pc screen
 - Operator generate IN vehicle slips
 - Boom barrier opens allowing the vehicle to pass through weighbridge
 - The alarm module of vehicle tracking system is activated.
- f. Integration Sequence for the VTS System at Weighbridge OUT as follows
- Vehicle arrives at the weighbridge application detects the vehicle
 - Trigger sent to RFID Reader
 - RFID reader scans tag and check for authorized and status IN
 - Vehicle positions itself via weighbridge centring system
 - Weight stabilizes
 - Vehicle number mapped with details of Stockyard/Route assigned should be checked by VTS before next step
 - Operator generate OUT vehicle slips
 - Boom barrier opens allowing the vehicle to pass through weighbridge
 - The alarm module of vehicle tracking system is activated.
- g. Integration Sequence for the VTS System for other vulnerable locations at stockyards will be as follows
- Vehicle arrives at the site, detects the vehicle
 - Trigger sent to RFID Reader
 - RFID reader scans tag and check for authorization
 - If the vehicle is IN state and assigned stockyard matches, vehicle should be allowed to load otherwise alarm and alert should be generated at Stockyard, to vigilance team and weighbridge.
 - Vehicle OUT status should be updated at stockyard after loading
- h. Integration Sequence for the VTS System for other vulnerable locations like Check post will be as follows
- Vehicle arrives at the site, detects the vehicle
 - Trigger sent to RFID Reader
 - RFID reader scans tag and check for authorization
 - Vehicle should be allowed to pass if authorized otherwise alarm and alert should be generated at Stockyard, to vigilance team and weighbridge.
- i. Integration Sequence for the VTS System at Main Gate at the time OUT as follows
- Vehicle arrives at the main gate VTS detects the vehicle
 - Trigger sent to RFID reader & ANPR camera
 - RFID reader scans tag
 - ANPR scans labels
 - VTS check the complete sequence IN, Route followed, OUT and handing over of Out Slip, VTS system should display on screen

- Boom barrier opens allowing the vehicle to pass through main gate
- j. The bidder shall be providing all three shift a technical peoples for project duration. The person will report to Vigilance officer at Command centre. The bidder shall also provide one operator at Main Gate to operate VTS system and registration of vehicles.
 - k. The bidder shall keep important items inventory for immediate solution in case of any device failure.
 - l. The bidder shall provide VTS software with vehicle registration, stockyard management, ANPR validation, image capturing and storing, weighbridge management, IP based announcement system, light system for boom barriers, command centre with all required display, map based RFID readers status, alert management, vehicle status, integration with CCTV cameras (existing/new for safety of RFID readers).
 - m. The bidder shall make all electrical connection and internet connectivity setup including pole mounting and its civil works.
 - n. The Command Centre for VTS setup shall be provided by the bidder for monitoring and controlling. The command centre will be supervised by RSMM Vigilance Officer along with supporting staff in all three shifts.
 - o. The complete VTS will be installed on State Data Center (RSDC) Jaipur. The bidder shall setup and configure the software on RSDC.
 - p. The VTS should support the basic features as mentioned in the annexure 1.
 - q. The VTS should have configuration of major component of hardware as mentioned in the annexure 2.
 - r. The VTS should restrict unauthorized vehicle and dual authentication in case vehicle out, if any alert generated against the vehicle.
3. The proposed System Methodology
 - a. RFID-ANPR-CCTV-Boom Barrier based Weighbridge Automation System at Main Gate (Mineral Carrying IN/OUT) shall comprise of RFID reader/writer, Controller, Boom-barrier system, Weighbridge Centring System, RFID tags, Reflective acrylic labels, Fixed lens and motorised varifocal CCTV cameras, Managed Switch, NVR, UPS with CVT, LED display monitor for display of CCTV feed, Workstation PC(to be provided by RSMM) laser printer, IP based PA Automatic Announcement system, lightning arrestor, Surge Protection Devices (SPD), and other associated components/cables/services required for secure connection and Automatic Number Plate Recognition (ANPR) and RFID software application (designed as per requirement of RSMM). The IN Slip may be generated at Gate pertaining to internal dispatch and road sale tippers/trucks, if required.
 - b. RFID-ANPR-CCTV-Boom Barrier based Weighbridge Automation System at Weighbridges shall comprise of two RFID reader (In/Out), Controller, Boom-barrier system, Weighbridge Centering System, Managed Switch, NVR, UPS with CVT, LED display monitor for display of CCTV feed with user base control, (Workstation PC and laser printer will be provided by RSMM), IP based PA Automatic Announcement system, lightning arrestor, SPDs and other

associated components/cables/services required for secure connection. RajERP will take all inputs and trigger API of VTS software application (designed as per requirement of RSMM) for route assignment, In slip generation and Out Slip generation with all authentication for internal dispatch and road sale tippers/trucks.

- c. At locations other than Weighbridges and Main Gate, the sites shall comprise of RFID reader, Boom-barrier system, ANPR, Fixed lens and motorized varifocal CCTV cameras, Managed Switch, NVR, UPS with CVT, LED display monitor for display of CCTV feed with user base control, lightning arrestor, SPDs and other associated components/cables/services along with relevant access control software application with ANPR & RFID software application.
- d. A centralized online vehicle identification, weightment & tracking application pertaining to VTS, RFID and ANPR modules shall be hosted on a RSDC Data Center for ease of access and connectivity as specified by DoITC, GoR.
- e. A Command center will be prepared to control and Monitor all operation through VTS. The complete VTS should have stockyard management and shall display real time movement on GUI/Map based for further viewing. The vigilance team will take all corrective action based on alerts.
- f. The Boom Barrier at stockyard shall open for vehicles which are assigned to take product against CRO/TO.
- g. The sufficient bandwidth of internet connectivity at all VTS point will be provided by the bidder with proper internet backup ISP arrangement.
- h. The VTS API called from RajERP shall be allowed to VTS database regarding all In/Out vehicle details as provided in Dispatch In/Out Slip.
- i. The solution shall have provision to assign IN and OUT gate restriction for vehicle carrying minerals on RFID Readers and Boom Barriers.
- j. The solution should include the LED/TV display at high value product stockyard and shall display the list of vehicle assigned.
- k. The complete VTS should have commandCenter displaying Geo fenced mapshowing all RFID readers and should display all details and alerts on screen in real time.
- l. The API should be provided to call from RajERP for both reading wrting to VTS database.
- m. VTS system shall have option for input and authenticate biometric of driver if required.
- n. Image should be capture for every vehicle cross the boom barrier whether it has RFID tag or not wherever ANPR placed.
- o. The RFID tag shall be used for vehicles/Loaders engaged in transportation within mines and for road sale of minerals to various customers as per CRO or TO. Loader movement other then assigned shall be alerted to Command Center.
- p. RFID reader shall be configurable for product based on the dynamic requirement.
- q. The tag will be of passive nature, tamper-proof & non-cloneable. If tag is destroyed or lost, fresh tag to be issued with record of reasons & details as per previous tag. Lost & mutilated tags will be deactivated prior to activation of new tags. The RFID Tag should have RSMM Logo printed.

- r. The tag will be unique to each vehicle and will be linked with the database to carry following information (incorporated in the RFID database):
 - i. Vehicle registration no.
 - ii. Type of Vehicle (Tipper/Truck/Loader/Car).
 - iii. Registered laden weight of the vehicle in metric tons / kgs. and no. of wheels of the tipper.
 - iv. Provision to enter name of the owner of the vehicle with address, E-mail, contact no etc.
 - v. Provision to enter name of the driver and address with contact no. Photo uploading facility of drivers.
 - vi. Authentication exclusion option for administrative vehicles, if required.
- s. Biometric authentication of truck driver may be required at Main Gate, System should have facility to configure.
- t. The Bidder should provide API to fetch Vehicle details stores in VTS.
- u. A vehicle carrying explosives or any other material, where weighment is required, that vehicle is to be issued temporary RFID tag and register with the RFID data base for information and record.
- v. When the vehicle arrives at the WB, the Boom-Barrier should be horizontal and the traffic signal should be display red-color, implying the vehicle to stop. The vehicle shall position itself via weighbridge centring system; The purpose of weighbridge centring system is to ensure correct placement of tippers on the platform, while weighment is being taken; when tipper is correctly placed on the platform, traffic light shall display green signal, else red signal shall be displayed. The reader installed at the weighbridge shall read the tag affixed at a suitable location on the vehicle at a readable distance from the RFID Reader. Observations of RFID systems are to be observed, recorded and if the details are correct, then the weighment challan/weigh slip shall be generated at the weighbridge. In case of any discrepancy observed in the readings of RFID Systems, a log shall be recorded for auditing at a later stage. Image should be capture for every vehicle cross the boom barrier whether it has RFID tag or not.
- w. RajERP API call shall allow VTS system to write the Dispatch Slip details through API.
- x. All the Data of VTS to be stored during the project duration and shall be usable after the project duration for RSMM.
- y. After successful generation of challan, the traffic signal shall display green color and the Boom-Barrier shall be lifted allowing the vehicle to pass through. An important point to be noted is that the safety sensors of Boom-Barriers should be high enough to prevent accidental dropping of barrier during passage of cattle or humans.
- z. The CCTV data shall be collected and stored in the local NVRs placed in the WB. Sufficient backup has to be provided in the NVR to ensure data storage for at least 30 days. If the internal storage falls short of the specified requirement, then external storage support along with proper maintenance has to be provided.

- aa. In case of other vulnerable locations (other than WBs), the vehicle details should be captured and stored through RFID-ANPR-CCTV-Boom Barrier based access control system should capture the image of every vehicles crossing the boom barriers and Transfer of data from all sites should occur in real-time to avoid any manipulations and changes to the data. In case of loss of data connectivity, a queue containing details to be posted to RajERP and Data Center Cloud should be maintained for automatic posting of data after network restoration. Proper request-initiator and listener services should be incorporated to make automatic data posting possible without any manual intervention.
 - bb. To keep check on RFID tempering, camera be placed/use existing in the VTS.
 - cc. Wherever stockyards are close in proximity, Fiber Reinforced Plastic (FRP) fencing/barricade shall be provided to restrict vehicle movement.
 - dd. The VTS software should have perpetual license for life time.
4. Salient Features of the overall solution
- a. The scope of work shall include the survey, complete Design, Engineering, Installation, testing and Commissioning of a fully functional and integrated VTS based security system comprising RFID-ANPR-CCTV-Boom Barrier system along with Networking infrastructure. All the hardware and software along with accessories and fitting hardware such as brackets, poles together with associated trenching duct laying, cable pulling, masonry & civil work, site restoration, Power, CAT-6 cabling, integration of the system are included in the scope of work. The major component specification has been mentioned in annexure 1 and 2.
 - b. Passive RFID Tags and reflective acrylic stickers with standardized font shall be pasted onto the windshield of internal vehicles to facilitate automated data entry and auto-identification of vehicles. RFID tags are to be issued to road-sale vehicles also so as to maintain integrity of application.
 - c. Boom Barriers with Traffic Light shall allow entry/exit of only authorized vehicles in and out of mines and at various process points inside the mines.
 - d. A single PC shall contain the local client application software installed at weighbridges must cater to both Road Sale and Internal dispatch mode of transactions.
 - e. ANPR-CCTV shall capture the image of the vehicle being loaded at the time of saving the weighment related information into database. Generally, the image frame shall be captured in real time from the local NVR channel, using RTSP, which would be connected to the Workstation-PC via switch. In case of breakdown of the NVR, provision for real-time image capture directly from the camera should be kept. Required networking needs to be done by the Successful Bidder.
 - f. Track and Monitor vehicles plying in the mines right from entry in loading points till unloading at Stock, Dump Yard, sidings, etc. in an online, real-time, fool-proof manner. Monitoring of internal vehicles by integration with existing/other vendor's Vehicle Tracking System. In addition to this, the Vehicle Tracking System should:

- i. Report Exceptions such as route deviation, idling in loaded condition, stoppage, disconnection etc., to a centralized control room.
 - ii. Identify and raise alerts in cases of vehicle diversions, pilferage, and adulteration in material.
 - iii. Analyze and understand anomalies and patterns in vehicle movement and raise alerts upon Entry of Un-authorized vehicles inside the mines premises.
 - iv. Better and futuristic planning for transportation requirement as per availability of material at mines, rescheduling.
 - v. Auto-Identify vehicles at various process steps inside the mines, to minimize Turn-Around- Time (TAT) and avoid manual data entries into the system.
- g. A team of hardware and software engineers must install, design, test and commission the entire project professionally within the timelines mentioned and should be available for proper functioning of complete duration of project.
- h. Online record of entry/exit in mines and yards to ensure that vehicles are loading only at the designated locations as per supply order.
- i. Online records of each step performed in the system with hierarchy-based approval mechanism for exceptions and over-rides.
- j. Online MIS and Dashboards to track status of material dispatched etc.
- k. Designing, setup and customization of online and offline reports pertaining to data entry, trip counting, detention monitoring etc.
- l. The entire vehicle tracking and weighment data shall be stored in Data Center Cloud with backup for the entire project duration.
- m. Yellow-colored reflective acrylic sticker of size (4"X16") with 4"large size black-colored standardized font displaying the vehicle registration number needs to be affixed on top of the windshield so that the clear view of the vehicle registration number can be recorded through CCTV camera installed at weighbridges and entry / exit barriers. Reflective acrylic stickers to be pasted on vehicles for ANPR purposes shall be printed by the Successful Bidder during RFID tag registration. Cost for the same is to be borne by the Bidder only.
- n. Up-gradation and modification of the software solution during the entire contract period is included in the scope of the contract.
- o. The solution should be capable of generating any customized report as per the requirement of RSMM.
- p. Register RFID Tags uniquely on all the vehicles. System must identify and prevent issuing of two RFID tags to the same vehicle or two vehicles the same RFID Tag.
- q. Single entry-exit points exist in many areas of RSMM. In such a scenario, the Boom-barrier installed at the single entry-exit point should be capable of being triggered by RFID readers installed at the entry and exit points, individually. The successful bidder has to arrange to implement such a mechanism, without extra cost to RSMM.

- r. Redundant entries must be automatically populated on the screen. No separate data entry is to be done.
- s. RSMM should have the option to create multiple user logins with limited access.
- t. RFID Tags will be installed in all the vehicles entering the mines including tippers and Administration vehicles. Application must distinguish between the two.
- u. All the data shall be stored on the central Data Center cloud platform (RSDC).
- v. Information written on the tag must be password protected.
- w. Each buyer is currently assigned a CRO/TO against which it collects the material from the mines. He is only authorized to pick material of a particular grade. Based on this information, entry should be restricted in un-authorized mines/yards.
- x. The System should generate the alert if any vehicle is going out from other than the assigned main gate.
- y. Provision to blacklist a vehicle. If a black listed vehicle arrives near the site, then the system must raise a flag to prevent weighment in all WBs of RSMM.
- z. System will have step-wise work flow. If a previous step is missing, entry should be restricted at the next step.
- aa. Hierarchical provision to edit/delete the information.
- bb. Provision for generation of automatic E-mail/message alerts of all the exceptions generated such as access time in loading, wrong grade of material entered etc.
- cc. Application and reports must be accessible over web. It should have a web-based UI for MIS reporting and a web/desktop application for operators.
- dd. RFID Applications installed on various gates and weighbridges must be time-synced.
- ee. Capable to generate any customized report as per the requirement of RSMM.
- ff. Area-wise Current Operation Status of all vehicles indicating time of tare & gross weighment at WB at sending end and receiving end, weighment, reconciliation of weight at sending and receiving end, time taken to complete trip, time spent in loading and unloading Area etc. as per requirement
- gg. Route Violation alert and idle-time & Stoppage Report.
- hh. The bidder should provide the helpdesk for complain registration and redressal. Bidder should provide the monthly call reports along with invoice.

4.5.6 System Integration

Integration Architecture: The integration of RFID, electronic weighbridges, ANPR systems, and the ERP platform will be achieved through a centralized data management platform. This platform will serve as the hub for collecting, processing, and analyzing data from all integrated systems, providing a unified view of vehicle movements, weighment processes, and operational workflows.

4.6 System Architecture

RFID Components:

- **RFID Tags:** Durable, high-frequency tags attached to each vehicle.
- **RFID Readers:** To be installed at entry/exit points, stockyards, and critical dispatch areas.
- **RFID Controller:** To be installed at entry/exit points, stockyards, and critical dispatch areas to send the data to Server.
- **RFID Hand Held Readers:** To be installed at Main Gate for IN/OUT.
- **Pole Mounting:** To be installed for each RFID reader.
- **RFID Management Software:** Managing RFID tag, writing on tag, Central platform for managing tag data, tracking vehicle movements, and generating reports.

Weighbridge Centring and Integration:

- **Electronic Weighbridges:** Automated systems with high-precision sensors.
- **Integration Modules:** Software connectors that link weighbridge data with RFID and central management systems with camera to capture vehicle image after placement.
- **User Interfaces:** API has to be provided by SI to integration with RajERP.
- **IP based PA system:** to be provided for proper announcement during placement.

Boom barrier Components:

- **Access Control:** to be installed Boom Barrier System with Boom Machine, trigger switch, safety sensors, 5 meters Boom, and 2 coloured LED Traffic Light at entry/exit.
- **Remote Control:** Capable to control remotely to trigger to open.
- **Safety:** Magnetic Loop Sensor / Optic Sensor for safety to avoid any accident.
- **Buzzer/Signal Light:** to be installed with each boom barrier at each entry/exit
- **IP based PA System:** to be provided for proper announcement.

ANPR Components:

- **ANPR Cameras:** High-resolution cameras strategically placed at all main entry and exit points.
- **ANPR Software:** AI capable of real-time license plate recognition and data integration.
- **Database Storage:** Central repository for storing captured license plate data and related information.

ERP Integration Components:

- **API Gateways:** Secure interfaces for data exchange between ERP and integrated systems.
- **Middleware:** Software that facilitates communication and data transformation between different systems.
- **ERP Modules:** Specific modules within the ERP system to handle vehicle tracking, dispatch management, and data analytics.

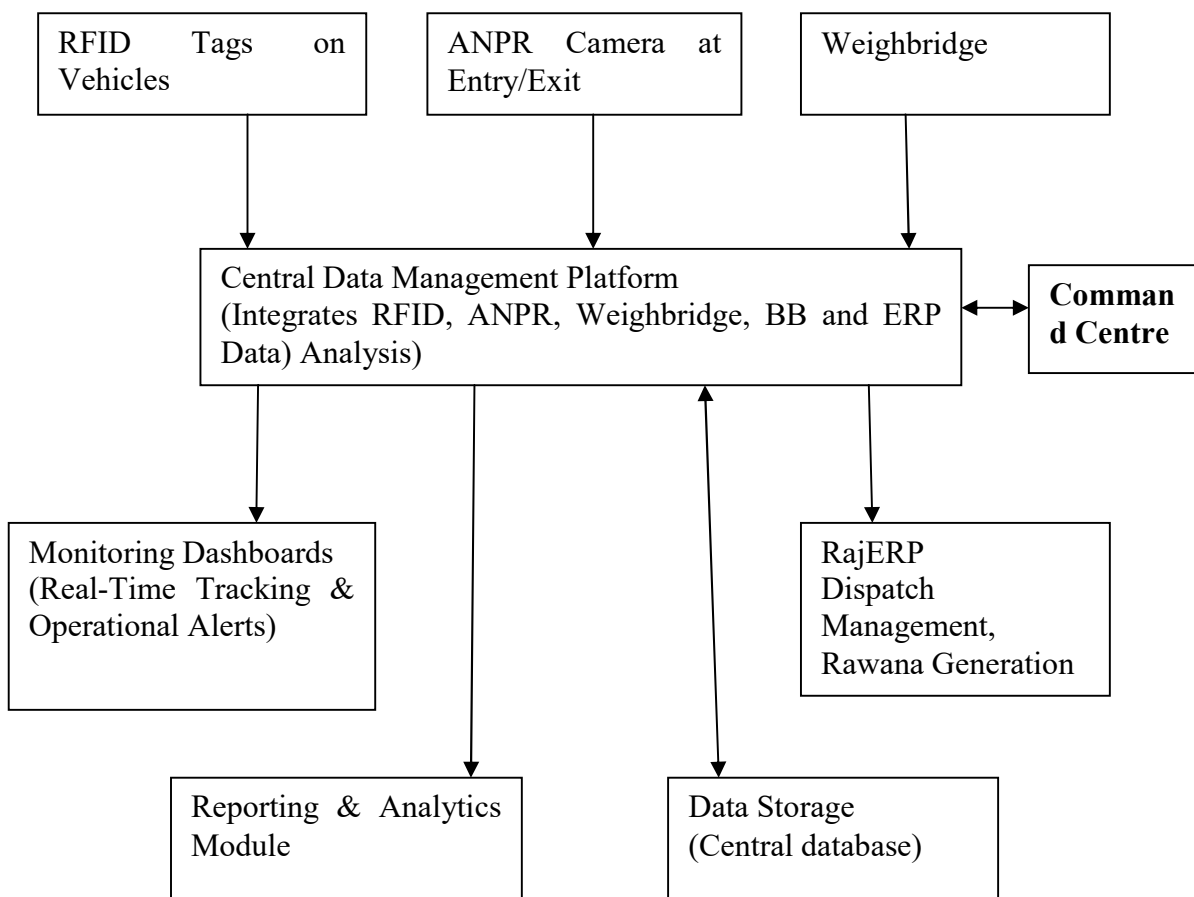
Network:

- **Internet:** Sufficient bandwidth of internet connectivity at all VTS point will be provided by the bidder with proper internet backup ISP arrangement.

Note:

- i) **The bidder shall ensure implementation and installation of equipment / devices/ software in conformity of Govt. guidelines , the installed equipment/ devices/ software should not be banned / prohibited by the Govt. of India .**
- ii) **The provided major hardware and software by the contractor should meeting the specifications as per annexure H & I of tender document.**

Data Flow Diagram:



4.7 Implementation Plan

- **For Delay in commencement:**

In case the Contractor fails to commence the work within 30 days from the date of issuance of LOA/DLOA, the company shall recover a pre-determined and agreed compensation @ 0.50% of the annual contract value on weekly basis from the contractor if the delay is on account of contractor. In the event the compensation exceeds 2% of total contract value, then other provision including termination of contract, forfeiture of EMD, withdrawal of DLOA shall apply at sole discretion of Company.

- **Timeline:**
 - **Complete project should be implemented within four months from date of issuance of work order.**
- **Command Center Setup:**
 - Command center as per allocated place has to be setup for monitoring and controlling the complete vehicle tracking operation.
- **Training:**
 - **User Training:** Comprehensive training programs for operational staff on using RFID, ANPR, and weighbridge systems.
 - **IT Training:** Specialized training for IT personnel on managing system integrations and handling technical issues.
 - **Security Training:** Training for security personnel on monitoring and managing access points with the new systems.

4.8 Service Level Agreement

- **Main Gate Entry/Exit, Check-post, Weighbridge, Stockyard, Command Center Hand Held RFID Reader**
 - If VTS system installed at any Main Gate Entry/Exit, Check-post, Weighbridge, Stockyard, Command Center Hand Held RFID Reader as decided by RSMM is under breakdown due to fault of any hardware or software, then penalty would be imposed on Bidder and the same would be deducted from overall quarterly rental payment to bidder. Computation of monthly average availability and penalty will be done separately for each Main Gate Entry/Exit, Check-post, Weighbridge, Stockyard, Command Center Hand Held RFID Reader on monthly basis as follows:
 - **Availability = (Total no of Hours in month – H)/(Total no of Hours in month) X100**
 - Where H stands for Total no. of hours of which Access control system at Main Gate Entry/Exit, Check-post, Weighbridge, Stockyard, Command Center Hand Held RFID Reader is under break down in month
 - The bidder shall give **uptime guarantee of 97% of monthly average system availability** at all Main Gate Entry/Exit, Check-post, Weighbridge, Stockyard, Command Center Hand Held RFID Reader. In case access control system availability falls below the above level for the respective Main Gate Entry/Exit, Check-post, Weighbridge, Stockyard, Command Center Hand Held RFID Reader, penalty shall be imposed for that as indicated in the table below.

Uptime (Availability in %)	Penalty (In Rupees) for Per Main Gate Entry/Exit, check-post, weighbridge, stockyard
>= 97	0
>= 95 and < 97	500
>= 93 and < 95	1500
>= 90 and < 92	2500
Less than 90	7000

4.9 ELECTRICITY, FACILITIES ETC.

- a) Electrical connections & electricity as per requirement will be provided by RSMML at site free of cost.
- b) The contractor shall make his own arrangements at his own cost for facilities required for satisfactory execution of the contract.

PERIOD OF CONTRACT

4.10 The period of contract shall be five year including a period of 04 months for completing the implementation of the project and thereafter comprehensive operation and maintenance of same. The period of contract can be extended as per provision of RTPP Act 2012 and Rules 2013.

4.11 PRICE Escalation FORMULA:

The price quoted by the bidder shall remain firm and fixed for first contractual year. Thereafter the base rate will be revised each year. The quoted price will be escalated by **6.90 % (Six point Nine zero percentage i.e. 50 year W.P.I. (Whole sale price index) average inflation)** from commencement of second contractual year and thereafter beginning of every contractual year.

Apart from above any variation in taxes & duties shall be considered for escalation/ de-escalation . No other escalation shall be payable to the contractor.

VARIATION IN WORK

4.12 In case the company require to cover any additional point for installation of comprehensive RFID tracking system, in such case the proportionally increase in the monthly remuneration will be made by the company.

PAYMENT TERMS:

4.13 Advance payment

To facilitate the smooth working the company will pay an advance payment of Rs. 35.00 lacs recoverable in 12 equal installments from the running bills of the contractor. 50 % of advance payment will be released upon submission of security deposit by the contractor and remaining 50 % will be released after successfully commissioning and commencement of work.

4.14 Monthly Bills

- i. Monthly subscription payment to the contractor will be admissible only upon successful implementation and commissioning of the work as specified in the tender. No payment during the period of implementation shall be paid to the contractor.
- ii. On completion of each month, the contractor shall raise the monthly bill in triplicate to the Engineer-in-Charge of the contract to receive its remuneration on the agreed and accepted rates from the RSMML and the bills shall be duly verified by the Officer-in-charge.
- iii. The Firm, on submitting the bill duly verified by the Officer- In-Charge for the work done, is entitled to receive a monthly payment within a period of 30 days after submission of the bill
- iv. The payment against the bill will be made after making necessary deductions as applicable. The Company shall deduct Income Tax at source at prevailing rate from

- the bills of the contractor. Other statutory taxes shall also be deducted from the bills as applicable from time to time.
- v. The Company shall make payment due to the Firm by crossed Account Payee cheque/RTGS/NEFT.
The rate quoted by the contractor shall be exclusive of GST.

4.15 CLOSING OF CONTRACT:

Within 60 days of the completion of the work in all respects, the Contractor shall be required to obtain from the Engineer-In-charge completion certificates as to the completion of work and clearing of the areas where he was worked if necessary.

When the Contractor fulfils all his/its obligations under the contract to the satisfaction of engineering in charge and subject to terms and conditions of the contract, he/it shall be eligible to apply for completion certificate with following details :

- i. A certificate to the effect that no outstanding claims/payments are due to the persons employed by the Contractor or his Subcontractor.
- ii. Details of PF deposited by the contractor.
- iii. No claim certificate by the contractor, in favour of company that No claim has been due towards the company and he will not claim any dues after the closure of the contract.
- iv. Indemnification Bond on Non Judicial stamp paper of appropriate value.

4.16 FINAL CERTIFICATE:

Upon expiry of the period of liability and subject to the Engineer-in-charge being satisfied with the work or works having been duly performed by the Contractor and the Contractor having fulfilled all his obligations under the contract, the Group General Manager (SBU Head) shall give a certificate hereinafter referred to as the 'Final Certificate' and the contractor shall not be considered to have fulfilled all of his/its obligations under the contract until Final Certificate shall have been given by the Group General Manager.

UNDERTAKING:

- 4.17** I/We do hereby declare that I/We have fully read and understood the purpose and contents of all the terms and conditions of this contract, nature, quantum, contract period and scope of work and have signed each page of the tender document as token of acceptance of all terms& conditions of this tender.

For & behalf of the tenderer as token of acceptance of tender.

Signature of tenderer with name& address.

TECHNO COMMERCIAL OFFER

Form A

General Information about the Tenderer

Name and address of Tenderer			
Name of Contact Person with Phone/Fax No./E-Mail			
Whether Individual, Firm or Company			
Date of Incorporation (Enclose Partnership Deed/Certificate of incorporation)			
Name of Partners/Directors			
Turnover (in Rupees)	2021-22	2022-23	2023-24
Name & Address s of Banker(s)			
PAN No,			
GST Identification No.			
PF Account number			
If tenderer is in any other business also Please specify			
Status of registration under MSMED (Micro, Small and Medium Enterprises Development Act, 2006) Act along with copy of certificate. (If Yes; Please mention registration no. & enclose certificate copy)			
Others (specify)			
Bank details of RTGS 1. Complete Bank Account No. 2. IFSC/NEFT Code of Branch 3. Name of Bank & Branch			

(Signature of Tenderer with seal)

TECHNO COMMERCIAL OFFER

Form 'B'

Name of work: Renovation of IBP Office (L&T Office) at Jhamarkotra Mines.

e-Tender No. RSMM/CO/GGM(Cont.)/Cont-26/2024-25

Dated 21.02.2025

1. PRE-QUALIFYING CRITERIA – Turnover

Financial Year	Details of Turnover
2021-22	
2022-23	
2023-24	

Note:

1. Attested copy of CA certified Balance Sheets of any of above three financial years & other appropriate proof i.e. Form -16 are to be enclosed.)

Signature of Contractor with seal

2. PRE-QUALIFYING CRITERIA –Experience of Similar Nature Work*

Year	Name of work executed	Name of organization where work was awarded	Amount of work executed	Actual time taken in completion of work
2021-22				
2022-23				
2023-24				

Note:

1. Attested copy of LOA/ work order is to be enclosed.
2. Attested copy of completion certificate is to be enclosed.
3. Recommendation, if any, of the concerned organization where work was executed may be enclosed.

Signature of tenderer with address.

RAJASTHAN STATE MINES AND MINERALS LIMITED

(A Government of Rajasthan Enterprise)

EXCEPTIONS AND DEVIATION

e-Tender No. RSMM/CO/GGM(Cont.)/Cont-26/2024-25

Dated 21.02.2025

Name of Tenderer _____

Tenderer may stipulate here exceptions and deviations to the tender conditions. If considered unavoidable.

No.	Page No. of tender document	Clause No. of tender document	Subject	Deviation

Signature of tenderer/(s)

with seal

PRICE-OFFER

To be submitted strictly online in the prescribed format provided

at <https://eproc.rajasthan.gov.in>

RAJASTHAN STATE MINES & MINERALS LIMITED

(A Government of Rajasthan Enterprises)

e-Tender No. RSMM/CO/GGM(Cont.)/Cont-26/2024-25

Dated 21.02.2025

Tender for Implementation of an integrated system comprising RFID tracking, electronic weighbridges, Automatic Number Plate Recognition (ANPR), and seamless integration with the existing Enterprise Resource Planning (ERP) system on rental basis with monthly subscription payment for complete solution at RSMML's Rock Phosphate Jhamarkotra Mines, Udaipur.

Sl no	Particulars	Unit	monthly subscription Rate (Rs.)
1	Implementation of an integrated system comprising RFID tracking, electronic weighbridges, Automatic Number Plate Recognition (ANPR), and seamless integration with the existing Enterprise Resource Planning (ERP) system on rental basis with monthly subscription payment for complete solution at RSMML's Rock Phosphate Jhamarkotra Mines, Udaipur	Per month basis. (on rental for complete operation and maintenance)	In Figure----- In Word-- <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-left: 20px;"> Rates to be quoted in prescribed format available online on webportal of www.eproc.rajasthan.gov.in </div>

Terms & Conditions:

1. Quoted rates should be inclusive of all taxes/ duties except GST.
2. In case of difference between the quoted rates in words and figures, the lower of the two shall be considered.
3. All statutory deductions shall be made as per relevant provision.

Name and signature of Tenderer with office seal

Compliance with the Code of integrity and No conflict of Interest

Any person participating in a procurement process shall:

- (a) not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process.
- (b) not misrepresent or omit that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation.
- (c) not indulge in any collusion, bid rigging or anti-competitive behavior to impair the transparency, fairness and progress of the procurement process;
- (d) not misuse any information shared between the procuring Entity and the Bidders with an intent to gain unfair advantage in the procurement process;
- (e) not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process.
- (f) not obstruct any investigation or audit of a procurement process.
- (g) disclose conflict of interest, if any; and
- (h) disclose any previous transgressions with any Entity in India or any other country during the last three years or any debarment by any other procuring entity.

Conflict of Interest:

The Bidder participating in a bidding process must not have a Conflict of Interest.

A Conflict of Interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations.

- i. A bidder may be considered to be in Conflict of Interest with one or more parties in bidding process if, including but not limited to:
 - a. have controlling partners/shareholders in common; or
 - b. receive or have received any direct or indirect subsidy from any of them; or
 - c. have the same legal representative for purposes of the Bid; or
 - d. have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another bidder, or influence the decisions of the Procuring Entity regarding the bidding process; or
 - f. the Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the Goods. Works or Services that are the subject of the Bid; or
 - g. Bidder or any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity as engineer-in-charge/consultant for the contract.

Declaration by the Bidder regarding Qualifications

Declaration by the Bidder

In relation to my/our Bid submitted for procurement in response to their Notice Inviting Bids I/We hereby declare under Section 7 of Rajasthan Transparency in Public Procurement Act, 2012, that:

1. I/we possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entity.
2. I/we 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.
3. I/we are not insolvent, in receivership, bankrupt or being wound up, not have my/our affairs administered by a court or a judicial officer, not have my/our business activities suspended and not the subject of legal proceedings for any of the foregoing reasons.
4. I/we do not have, and our directors and officers not have, been convicted of any criminal offence related to my/our professional conduct or the making of false statements or misrepresentations as to my/our qualifications to enter into a procurement contract within a period of three years preceding of commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
5. I/we do not have conflict of interest as specified in the Act, Rules and the Bidding Document, which materially affects fair competition;

Date

Signature of bidder

Name:

Place

Designation:

Address:

The designation and address of the First Appellate Authority is –

Principal Secretary to the Government of Rajasthan,
Department of Mines & Petroleum,
Secretariat,
Jaipur

The designation and address of the Second Appellate Authority is –

Principal Secretary to the Government of Rajasthan,
Department of Finance,
Secretariat,
Jaipur

(1) Filing an appeal

If any Bidder or prospective bidder is aggrieved that any decision, action or omission of the Procuring Entity is in contravention to the provisions of the Act or the Rules or the Guidelines issued there under, he may file an appeal to First Appellate Authority, as specified in the Bidding Document within a period of ten days from the date of such decision or action omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved:

Provided that after the declaration of a Bidder as successful the appeal may be filed only by a Bidder who has participated in procurement proceedings:

Provided further that in case a Procuring Entity evaluates the Technical Bids before the opening of the Financial Bids, an appeal related to the matter of Financial Bids may be filed only by a Bidder whose Technical Bid is found to be acceptable.

- (2) The officer to whom an appeal is filed under para (1) shall deal with the appeal as expeditiously as possible and shall endeavor to dispose it of within thirty days from the date of appeal.
- (3) If the officer designated under para (1) fails to dispose of the appeal filed within the period specified in para (2), or if the Bidder or prospective bidder or the Procuring Entity is aggrieved by the order passed by the First Appellate Authority, the Bidder or prospective bidder or the Procuring Entity, as the case may be, may file second appeal to Second Appellate Authority specified in the Bidding Document in this behalf within fifteen days from the expiry of the period specified in para (2) or of the date of receipt of the order passed by the First Appellate Authority, as the case may be.

(4) Appeal not to lie in certain cases

No appeal shall lie against any decision of the Procuring Entity relating to the following matters, namely: -

- (a) determination of need of procumbent;
- (b) provisions limiting participation of Bidders in the bid process;
- (c) the decision of whether or not to enter into negotiations;
- (d) cancellation of a procurement process;
- (e) applicability of the provisions of confidentiality.

(5) Form of Appeal

- (a) An appeal under para (1) or (3) above shall be in the annexed Form along with as many copies as there are respondents in the appeal.
- (b) Every appeal shall be accompanied by an order appealed against, if any, affidavit verifying the facts stated in the appeal and proof of payment of fee.
- (c) Every appeal may be presented to First Appellate Authority or Second appellate authority, as the case may be, in person or through registered post or authorized representative.

(6) Fee for filing appeal

- (a) Fee for first appeal shall be rupees two thousand five hundred and for second appeal shall be rupees ten thousand, which shall be nonrefundable.
- (b) The fee shall be paid in the form of bank demand draft or banker's cheque of Scheduled Bank in India payable in the name of appellate Authority concerned.

(7) Procedure for disposal of appeal

- (a) The first Appellate Authority or Second Appellate Authority as the case may be, upon filing of appeal, shall issue notice accompanied by copy of appeal, affidavit and document, if any, to the respondents and fix date of hearing.
- (b) On the date fixed for hearing, the First Appellate Authority or Second Appellate Authority, as the case may be, shall: -
 - (i) hear all the parties to appeal present before him; and
 - (ii) peruse or inspect documents, relevant records or copies thereof relating to the matter.
- (c) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.
- (d) The order passed under sub-clause(c) above shall also be placed on the State Public Procurement Portal.

Memorandum of Appeal under the Rajasthan Transparency in Public Procurement Act, 2012

Appeal No..... of.....
Before the.....(first/second Appellate Authority

1. Particular of appellant:

- (i) Name of the appellant:
- (ii) Official address, if any:
- (iii) Residential address:

2. Name and address of the respondent(s):

- (i)
- (ii)
- (iii)

3. Number and date of the order appealed against and name and designation of the officer/authority who passed the order (enclosed copy, or a statement of a decision, action or omission of the Procuring Entity in contravention to the provisions of the Act by which the appellant is aggrieved:

4. If the Appellant proposes to be represented by a representative, the name and postal address of the representative:

5. Number of affidavits and documents enclosed with the appeal:

6. ground of appeal
.....
.....
.....(Supported by an affidavit)

7. Prayer:
.....
.....

Place.....
Date.....
Appellant's Signature

Additional conditions of Contract

1. Correction of arithmetical errors

Provided that a Financial Bid is substantially responsive, the Procuring Entity will correct arithmetical errors during evaluation of financial Bids on the following basis:

- i. if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Procuring Entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected.
- ii. if there is an error in total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- iii. if there is a discrepancy between words and figures, the amount in words shall prevail unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.

If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be disqualified and its Bid Security shall be forfeited or its Bid Securing Declaration shall be executed.

2. Procuring Entity's Right to Vary Quantities

- (i) At the time of award of contract, the quantity of Goods, works or services originally specified in the Bidding Document may be increased or decreased by a specified percentage, but such increase or decrease shall not exceed twenty percent, of the quantity specified in the Bidding Document. It shall be without any change in the unit prices or other terms and conditions of the Bid and the conditions of contract.
- (ii) If the Procuring Entity does not procure any subject matter of procurement or procures less than the quantity specified in the Bidding Document due to change in circumstances, the Bidder shall not be entitled for any claim or compensation except otherwise provided in the Conditions of Contract.
- (iii) In case of procurement of Goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall not be more than 50% of the value of Goods of the original contract and shall be within one month from the date of expiry of last supply. If the Supplier fails to do so, the Procuring Entity shall be free to arrange for the balance supply by limited Bidding or otherwise and the extra cost incurred shall be recovered from the supplier.

AFFIDAVIT

(Non-judicial stamp paper worth Rs 50/-)

e-Tender No. RSMM/CO/GGM(Cont.)/Cont-26/2024-25

Dated 21.02.2025

IS/o Shri aged.....Years,
resident ofon behalf of the
tenderer i.e. M/shereby undertake oath
and state as under:

- 1) That I have submitted a tender for
- 2) That I/We have gone through the terms & conditions of the tender document.
- 3) That the provisions of Employees Provident Fund and Miscellaneous provisions Act, 1952 including subsequent amendments & notifications, in respect of the employees engaged for the work, are not applicable on me / us (i.e. tenderer / contractor)
- 4) That in case during the currency of the contract, I /We come under the purview of Employees Provident Fund and Miscellaneous provisions Act, 1952 including subsequent amendments & notifications, then I/We will get myself / ourselves registered with the concerned PF Commissioner.

Deponent
(Authorized Signatory)

VERIFICATION

I /We the above deponent make oath and state that my above statement is true and correct to my persona; knowledge, that no part of it is wrong, that nothing material has been concealed so help me God.

Deponent
(Authorized Signatory)

Note: Original Notarized affidavit shall be sent to the office of GGM (Contract), RSMML, 4 Meera Marg, Udaipur – Raj – 313001 along with Tender fees, processing fees and EMD.

AFFADAVIT

(Onnon-judicial stamp paper worth Rs50/-)

e-Tender No. RSMM/CO/GGM(Cont.)/Cont-26/2024-25

Dated 21.02.2025

Name of Tenderer.....
I.....S/o Shri.....aged.....Years,
resident of.....on behalf of the
tenderer i.e. M/s.....hereby undertake oath
and state as under:

- 1) I/we are not having or had any litigation with the RSMML/any other company in relation to the work. In case of litigation with RSMML or any other company, I/we hereby undertake that such litigation will not restrict me/us in smooth execution of tendered work.
- 2) I/we have not been banned/suspended/de-listed by RSMML.
- 3) I/we declare that I/we have not mentioned any exception/deviation of the tender conditions in our offer.
- 4) I/we declare that price bid is in prescribed Performa & no conditions are attached to it. Even if any condition/s found, those would be ignored at the risk & cost of us.
- 5) That we are registered under MSMED Act & registration number of the firm is.....(Copy enclosed) or that we are not registered under MSMED Act.
- 6) I/We do hereby declare that I/We have fully read and understood the purpose and contents of all the terms and conditions of this contract, nature, quantum, contract period and scope of work of the tender document and all terms& conditions of this tender and these are acceptable to we/us.
- 7) I/We do hereby declare that I/We have fully read and understood the provision of Rajasthan Transparency in public procurement Rules 2013 and all terms & conditions mentioned therein are acceptable to we/us.
- 8) I hereby declare that as on date no default has been made by us towards payment of GST and all returns up to the last date of submission of bid have been filled by us.”
- 9) I hereby declare that the GST component on this work if awarded to me will be of%

Signature of Tenderer(s)
With Seal

Date: -----

Place: -----

Note: Original Notarized affidavit shall be sent to the office of GGM (Contract), RSMML, 4 Meera Marg, Udaipur – Raj – 313001 along with Tender fees, processing fees and EMD.

PROFORMA OF BANK GUARANTEE FOR 'SECURITY DEPOSIT'

(To be issued by a Public Sector Bank or Schedule private Bank having its Branch office at Udaipur on non-judicial stamp paper of value 0.25% of BG amount subject to maximum of Rs. 25000/-or as per prevailing stamp duty act as on the date of issuance of BG)

B.G _____

Dated _____

This Deed of Guarantee made between _____ a Bank, having its registered office at _____ and its head office at _____ and wherever the context so required include its successors and assignees (hereinafter called the Surety/Bank) AND Rajasthan State Mines and Minerals Limited, a company incorporated and registered under Indian companies Act,1956, having its registered office at C-89/90 Lal Kothi Scheme, Janpath, Jaipur and Corporate office at 4 Meera Marg, Udaipur and wherever its context so required includes its successors and assignees(hereinafter called 'the company).

Whereas the Company having agreed to exempt M/s. _____ a company/partnership firm _____ (address of registered/H.O.) where ever the context so require includes its successors and assignees (hereinafter called 'the Contractor) from the demand under the terms and conditions of letter of Acceptance no. _____ dated _____ issued in favour of the Contractor and agreement dated _____ entered into between RSMML and M/s. _____(Contractor), hereinafter called 'the said letter of Acceptance/agreement' which expression shall also include any amendment, modification or variations thereof made in accordance with the provision thereof, of cash security deposit for the due fulfillment by the said letter of Acceptance/agreement on production of unconditional and irrevocable Bank Guarantee for Rs. _____ (Rs. _____) being equivalent to _____ % of Contract value of Rs. _____.

Now this deed witnesseth that in consideration of said bank having agreed on the request of the Contractor to stand as surety for payment of Rs. _____ as security deposit to the company subject to the following conditions.

1. We, _____(Bank) do hereby undertake to pay to the company as amount not exceeding Rs. _____ against any loss or damage caused to or suffered or would be caused to or suffered by the company by reason of any breach by the said contractor of any of the terms and/or conditions contained in the Letter of Acceptance/Agreement The decision of the Company, as to any such breach having been committed and loss/damage suffered to shall be absolute and binding on us.
2. We, _____(bank) do hereby undertake without any reference to the Contractor or any other person and irrespective of the fact whether any dispute is pending between the Company and the Contractor before any court or tribunal or Arbitrator relating thereto, to pay the amount due and payable under this guarantee without any demur, and/or protest merely on the very first demand from the Company stating that the amount claimed is due by way of loss or damage caused to or suffered by or would be caused to or suffered by the Company by reason of any breach by the said contractor of any of the terms and condition contained in the said Letter of Acceptance/agreement by reason of the said contractor's failure to perform the covenants contained in said letter of Acceptance/agreement. Any such demand made on the bank shall be conclusive absolute and unequivocal as regards the amount due and payable by the bank under this guarantee. However, bank's liability under this guarantee shall be restricted to an amount not exceeding Rs. _____.
3. We, _____(bank) further agree that the guarantee herein above contained shall remain in full force and effect during the period that would be taken for the performance of the agreement and that it shall continue to be enforceable till all the dues of the company under or by

virtue of the agreement have been fully paid and its claim/s satisfied or discharged or till the company certifies that the terms and the conditions of the said Letter of Acceptance/agreement have been fully and properly carried out by the said contractor and accordingly discharges the guarantee, unless a demand or claim under this guarantee is made on the bank in writing on or before _____ (scheduled completion date plus defect liability period plus six months), the bank shall be discharged from all liability under this guarantee thereafter unless otherwise further extended by the bank.

4. In order to give full effect to the guarantee herein contained the company shall be entitled to act as if, we(bank) are your principal debtor in respect of all your claims against the Contractor hereby guaranteed by us as aforesaid and we hereby expressly waive all our rights of suretyship and other rights, if any which are in any way inconsistent and/or contrary to the above or any other provision of this guarantee, the bank's guarantee to pay hereunder will not be determined or affected by your proceeding against the Contractor and the bank will be liable to pay the said sum as and when demanded by you merely on first demand being made on the bank by you and even before any legal or other proceedings taken against the contractor. Any letter of demand delivered at the banks above branch/divisional office or Udaipur branch office under the signatures of the company's Financial Advisor and/or ED(Admin) or any of the Directors shall deemed to be sufficient demand under this guarantee.
5. We, _____(bank) further agree that the company shall have the fullest liberty without our consent and without affecting in any manner our obligation hereunder to vary any of the terms and conditions of the said Letter of Acceptance/agreement or to extend time of performance by the said Contractor from time to time or to postpone for any time or from time to time any of the powers exercisable by the Company against the said Contractor and to forbear or enforce any of the terms and conditions relating to the Letter of Acceptance/Agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said contractor or for any fore bearance act, or omissions on the part of the company or any indulgence of the Company to the said Contractor or by any such matter or things whatsoever which under the law relating to the sureties would but for this provisions have effect of so relieving us.
6. This guarantee herein contained would come into force from the date of issue and would not be affected by any change in the constitution of the contractor or ourselves or liquidation or winding up or dissolution or insolvency of the contractor nor shall it be affected by any change in company's constitution or by any amalgamation or any absorption thereof or therewith but shall ensure for and be available to and enforceable by absorbing or amalgamated company or concern till the payment or amount not exceeding Rs. _____ is made by the Bank.
7. The guarantee will not be discharged or affected if the Company holds/obtain any other security/guarantee/promissory note from any person and/or the contractor and this guarantee shall be in addition to any such guarantees.
8. We, _____(Bank) lastly undertake not to revoke this guarantee during this currency except with the previous consent of the company in writing.
9. The bank has power to issue this guarantee in favour of the Company and the undersigned has full powers to do so under power of Attorney dated _____ granted to him by the bank.
10. For the purpose of enforcing legal rights in respect of this guarantee Udaipur courts in the state of Rajasthan alone shall have jurisdiction.

IN WITNESSETH I, HEREBY _____ SON OF _____
(designation) _____(branch) constituted attorney of the said bank have set my signatures and bank seal on this guarantee which is being issued on non-judicial stamp of proper value as per Stamp Act prevailing in the state of _____ executed at _____ this the _____ day of _____ 20__

SOFTWARE SPECIFICATION – ANNEXURE H

A. INTEGRATION CAPABILITY - ERP INTEGRATION

	Requirement
1	Integrated RFID Application with RajERP for data exchange on real time basis. System should have all API to access VTS and write the data back to VTS.
2	Data consolidation in real time from multiple locations paralleling, and generating alerts about the missing trips at source & destination.
3	Making sure data delivery is in completeness, no partial data shall get delivered from source to destination
4	System is capable of generating alerts via SMS and email to designated user or officers.
5	System is capable to provide complete Vehicle Tracking including vehicle registration, stockyard management, ANPR validation, image capturing and storing, weighbridge management and vehicle positioning, IP based announcement system, light system for boom barriers, command centre display, map based RFID readers status, alert management, vehicle status, integration with CCTV cameras, Management Dashboard & MIS reports, RFID reader dynamic configuration, stockyards management and assignment to RFID reader.

B. SECURITY - Authentication and Access Control

	Requirement
1	Users authenticate through a single authentication mechanism.
2	Passwords are stored with a one way encryption mechanism. These hashes are salted to limit the effects of dictionary attacks.
3	Credentials are encrypted during transit using SSL and/or other communication encryption techniques. All user credentials, including session identifiers, are protected during the lifecycle of the communication.
4	All users are authenticated prior to gaining access to restricted assets.
5	Authorization functionality enables administrators to group users into roles and define specific permissions for each role based on least privilege.
6	Authorization functionality enables administrators to manage component access to data and resources at a fine-grained level.
7	Users are granted access to only the minimum functionality required to carry out their job role or roles.
8	Upon logout, the user should no longer be able to access authenticated information
9	All internal components authenticated before access is granted.

C. Credentials & Password Management

	Requirement
1	Administrator Accounts are locked out after 3 unsuccessful attempts.
2	All passwords generated by the application expire after first use (enforce password change). Password policy to be agreed depending on the level of business criticality.
3	Stored passwords are combined with a random salt value and one way encrypted (hashed) using a strong algorithm such as SHA256.
4	Change password functions should require the user to re-authenticate in order to commit changes.
5	Credentials transmitted during the login process are protected using encryption.

D. Administration Security & Application Session management

	Requirement
1	Administrators are authenticated to access administrative functions
2	Administration is separated from the core application (example web site administration).
3	Administrator has two levels of authentication prior to granting access (passwords & OTP).
4	Administrator session should be terminated after 15 minutes of inactivity (auto log out).
5	The system provides two levels of approvals prior to any critical changes.
6	Server-side sessions expire after 10-20 minutes of inactivity.
7	Generate a strong session key, so to prevent brute force on session impractical.
8	Security Audit Report will require before hosting on production at RSDC

E. Logging System (monitoring)

	Requirement
1	The application maintains logs in sufficient detail to permit reconstruction of system activity.
2	Sensitive data such as user passwords must not be logged in the clear.
3	Ensure that key events are captured and logged such as data retrieval, database insertions, and administrative functions such as account related activity or modifications to logging.

MAJOR HARDWARE DEVICES SPECIFICATION – ANNEXURE I

2.1 Hardware Specifications

RFID Readers complete set along with Controller, POE switch, UPS, SPDs etc.		
S. No	Feature	Specifications /Benefits
1	UHF RFID	ISO 18000-6C, Gen2 Standard. UHF RFID Reader with TCP/IP Port with pole and mounting arrangement. Make In India Preference
2	PoE Required	Power over Ethernet to ease installation and reduce wiring.
3	Standards	Certificate for complying with standards of spurious emission as prescribed by WPC (wireless council) India with total power not exceeding 1 watt – 30 dBm.
4	IP Rating	IP65 or higher for indoor and outdoor usage along with Central Govt. of India Laboratory Certification.
5	Connectivity	Ethernet (Simple Plug & play in RJ45)
6	Read Capacity	Ability to read 50+ tags simultaneously within a range of 2-8 meters
7	Security	Chinese RFID Readers / RFID modules not allowed for Security considerations as per the banned list of government. Certification necessary.
Handheld Reader– Complete set Optional for Manual Verification and Passing of the Vehicles		
Sr. No	Feature	Specifications /Benefits
1	Connectivity	Wi-Fi, Bluetooth, SIM based – To be used from Desktop, 2D, 3D, QR code reading compliance necessary. Laser certification for barcode necessary
2	Operating System	Connectivity Windows & Linux
3	Standards	Certificate for complying with standards of spurious emission as prescribed by WPC (wireless council) India with total power not exceeding 1 watt – 30 dBm.
4	Security	Chinese RFID Readers / RFID modules / Barcode modules, not allowed for Security considerations. Certification necessary.
5	Battery Life	8 Hours Operation
6	Ergonomic Design	Portable and lightweight for extended use.
7	Read Capacity	Ability to read 200+ tags read per second simultaneously within a range of 1-5 meters
8	Functions	Quickly locate/identify the vehicles/assets based on RFID tags
9	Weight	Light Weight <400 gm

10	Charging	USB based Charging
Boom Barrier complete set with all necessary accessories and IP based PA Automatic Announcement system		
Sr. No	Feature	Specifications /Benefits
1	Access Control	Boom Barrier System - with Boom Machine, trigger switch, safety sensors, 5 meters Boom, and 2 coloured LED Traffic Light, IP56,
2	Remote Control	Capable to control remotely to trigger to open.
3	Safety	Magnetic Loop Sensor / Optic Sensor for safety to avoid any accident.
Weighbridge Centring System complete set with all necessary accessories		
Sr. No	Feature	Specifications /Benefits
1	Positioning	Weighbridge Centring System should be able make sure truck standing should be at the middle of the weigh bridge to control the location.
2	Indicator	It should provide indicator and IP based announcement system to the driver / operator to know the proper position of standing on weighbridge.
ANPR Camera along with system (Aprox 8 locations) complete set with all necessary accessories		
Sr. No	Feature	Specifications /Benefits
1	Image Sensor	1/1.8" 4MP starlight CMOS sensor (1.411 cm). H.265 and H.264 dual codec, Night vision
2	Distance Coverage	The maximum illumination distance is 30 Mtr
3	IP Rating	IP67
4	Resolution	Maximum Resolution: 2688 × 1520@25/30fps.
5	Electronic Shutter speed	Auto/Manual 1/50 s–1/100,000 s
6	Focal Length	10mm–50mm Motorized
7	Vehicle Identification - LPR	Automatic Vehicle Number Licence Plate Recognition (ANLPR) Detection of the Vehicle License Plate, Color, Model (Optional),

Details of Proposed location at Jhamarkotra Mines

3.1 Weighbridges for Dispatches:

10. Weighbridge 1 – IN/OUT vehicle Entry only
11. Weighbridge 2 – IN/OUT vehicle Entry only
12. Weighbridge 3 – IN/OUT vehicle Entry only
13. Weighbridge 4 – InNOUT vehicle Entry only
14. Weighbridge SO – IN/OUT vehicle Entry
15. Weighbridge Ambika – IN/OUT vehicle Entry
16. Weighbridge Prajal – IN/OUT vehicle Entry
17. Weighbridge RKC – IN/OUT vehicle Entry
18. Weighbridge Tailing – IN/OUT vehicle Entry

3.2 Stockyards for Dispatches:

14. BRP- Concentrate Yard, IBP
15. 30% CRP – 30% CRP stack at RKC Crusher
16. 30% CRP – 30% CRP stack at NCP
17. 31.5% CRP – 31.5% stack at NCP
18. 18% LGO for Grinding Unit – 18% LGO Stack at NCP
19. Secondary Ore – SO stack in mining area
20. Tailings – Tailing Dam near GSF
21. Tailings – Tailings Dam at Base Camp
22. RAJPHOS – RKD Grinding Unit
23. GRP-RKD Grinding Unit
24. M-sand/Aggregate – Ambica M-sand plant
25. M-sand/Aggregate – Prajal M-sand Plant
26. M-sand/Aggregate – RKC Alliance M-sand Plant

3.3 Main Gate/Check Posts:

8. Main Gate (In/Out Only Entry and Exit for vehicles carrying mineral)
9. Base Camp Naka
10. Crossing public road on route to SO Crusher
11. Exit location from Haul Road to SO Crusher in F-block
12. Check post on road from Jhameshwar temple to SO Crusher
13. Check post on road from SO Crusher to Jagat
14. F-block dumping yard, overseeing upcoming OB dispatches