



RAJASTHAN STATE MINES & MINERALS LTD.

(A Government of Rajasthan Enterprise)

Purchase Department, Phosphate Division, SBU & PC Rock Phosphate,
Jhamarkotra Mines, P.O.: Jhamarkotra, Via. & Dist. Udaipur (Rajasthan)

Phone: 0294-2324441-43 Telefax: 0294-2342444

Website: www.rsmm.com, e-mail: purchase.jkt@rsmm.com, satishk@rsmm.com

TENDER SCHEDULE

TENDER DESCRIPTION	Replacement of Existing PLC with latest Technology PLC/PAC System
TENDER No. & Date	NIT-38 dated 07.08.2014
Type of Tender	Two Bid System
Place of Sale	Office of SM (F&A), Marketing Department, Corporate Office, 4 Meera Marg, Udaipur
Submission of Tender Document	Office of SM (F&A), Marketing Department, Corporate Office, 4 Meera Marg, Udaipur
Date of Sale of Tender Document	From 07.08.2014 TO 27.08.2014
Last Date of Receipt of Tenders	Up to 2:00 PM ON 27.08.2014
Due Date of Opening	At 2:30 PM on 27.08.2014
Place of Opening	Office of SM (F&A), Marketing Department, Corporate Office, 4, Meera Marg, Udaipur- 313001
Cost of Non-Transferable Tender Documents	Rs. 1140/- (Inclusive VAT)



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Purchase Department, SBU & PC-Rock Phosphate

RSMM TENDER DOCUMENTS CONSIST OF FOLLOWING:

Section - I	Instruction for preparation & submission of tender
Section -II	Special Terms & Conditions
Annexure-I	Acceptance to the technical specification
Annexure – II	General profile of tenderer
Annexure – III	Registration details under Micro, Small & Medium Enterprises Development Act, 2006.
Annexure – IV	Exceptions & Deviation.
Annexure – V	Acceptance of all terms and conditions of the tender and no condition is mentioned in price bid.
Annexure – VI	Undertaking that tenderer has not been debarred/suspended by RSMML in past.
Annexure – VII	Declaration by the Tenderer.
Annexure – VIII	Details of commercial terms & conditions
Annexure-IX	Compliance with the code of Integrity and No conflict of interest.
Annexure-X	Declaration by the bidder regarding qualifications.
Annexure-XI	Grievance Redressal during Procurement Process.
Annexure-XII	Additional Conditions of Contract.
Annexure-XIII	Rate Schedule (Price-Bid)

SECTION – I: INSTRUCTION FOR PREPARATION & SUBMISSION OF TENDER

1. One copy of tender document should be sealed & signed as a token of acceptance of its terms and conditions and should be furnished along-with part -1 of tender (no page should be detached).
2. Tender must be submitted in two parts i.e. Techno - Commercial (Part – I) and Price Bid (Part –II). The tender should be packed in four sealed envelopes as elaborated below:
 - a. Sealed Envelop No. 1:- This envelop should contain DD/PO towards the tender document fee (incase the tender document has been downloaded from the website of RSMML) or the copy of cash receipt (incase the tender document has been purchased from the office of SM (F&A), Marketing Department, Corporate Office and DD/PO towards requisite BID SECURITY as per provisions mentioned in the tender document. This sealed envelope should be subscribed "Tender Document Fee & Bid Security of Tender No (as mentioned above).
 - b. Sealed Envelop No. 2 : This envelop should contain Part –I: Techno-Commercial BID along-with all supporting documents (except the tender document fee, BID SECURITY & Price Bid) as asked in the tender document. This sealed envelope should be Super scribed Part – I of tender No (as mentioned above).

- c. Sealed Envelop No. 3 i.e. Part-II (PRICE BID): This envelop should contain only Price Part as per provisions mentioned in the tender. The sealed envelope should be super scribed PART – II (Price Part) of Tender No. (as mentioned above). No condition should be stipulated in this part, if mentioned any by tenderer, shall be ignored.
- d. Sealed Envelop No. 4: The above three sealed envelopes should be packed in another sufficiently large envelop to enable it to be opened without tearing the inner sealed envelopes. The outer cover should bear address of the authority who has invited tender and super-scribed there on Tender No (as mentioned above) and the details of above mentioned three envelops.
3. In compliance to the Rajasthan Transparency in Public Procurement Act, 2012 and Rajasthan Transparency in Public Procurement Rule, 2013, following Annexure are enclosed and tenderers are required to furnish duly filled, sealed and signed copies of these Annexure along-with Part-I of offer.
- Annexure-IX: Compliance with the Code of Integrity and No Conflict of Interest.
 - Annexure-X: Declaration by the Bidder regarding Qualifications.
 - Annexure-XI: Grievance Redressal during Procurement Process and Form No.1.
 - Annexure-XII: Additional Conditions of Contract.
4. The tenderer/bidder would give a declaration that they have not been banned/suspended or de-listed by RSMML. If this declaration is not given, the bid will be rejected as non responsive
5. **SALE OF TENDER:** The tender document (non-transferable) can be obtained from the office of SM (F&A), Marketing Department, Corporate Office, 4, Meera Marg, Udaipur-313001 on payment of applicable non-refundable tender fee of by Cash/Demand Draft/Pay-Order in favor of RSMML payable at Udaipur. Alternately interested tenderer(s) may directly download the tender document from website www.rsmm.com/ www.sppp.raj.nic.in and furnish their offer along with requisite tender document fee in a sealed envelope as prescribed at clause no. 2(a) of Section-I.
- 6. SUBMISSION & OPENING OF TENDER:**
- a. The submission and delivery of tenders within the specified date and time will be the sole responsibility of the Tenderer.
 - b. Tender should be submitted before due date & time at the **office of SM (F&A), Marketing Department, Corporate Office, 4, Meera Marg, Udaipur-313001.**
 - c. Place of opening of Tender: Part (I) of the tender would be opened on the due date & time at the **office of SM (F&A), Marketing Department, Corporate Office, 4, Meera Marg, Udaipur-313001** and Part (II) i.e. price bids of the qualified bidders would be opened later which would be informed to qualified bidders separately.
 - d. Tenders will be opened on the fixed date and time in the presence of Tenderer or their authorized representative who may wish to be present at the opening of the tender at the place, time and date as specified in the schedule. In case the date of opening of tenders happens to be a holiday, the tenders shall be opened on the next full working day at prescribed time.
7. **DELIVERY OF TENDER:** The submission and delivery of tenders within the specified date and time will be the sole responsibility of the Tenderer. In case the date of submission/opening of tender happens to be a holiday, than tenders shall be submitted/opened on the next full working day up to/at prescribed time.
- a. **Delayed Tender:** Tenders received after specified time & date of submission but before specified time & date of opening of part-I of the tender will be treated as delayed tender.
 - b. **Late Tender:** The tenders received after specified due date & time of opening of tender will be treated as late tender and will not be considered at all.
 - c. RSMML will not be responsible for delay in delivery of the tenders through post/speed post/courier/personal or any other means.

8. Tenderer should quote as far as possible in the form & pattern, as envisaged herein. It will help in making proper comparison & avoid any errors/emissions. Offers through Fax/e-mail/telegram will not be considered at all
9. Printed conditions on the back of letters originating from Tenderer will be ignored.
10. **EXCEPTIONS & DEVIATION:** Tenderers are advised to submit their offer based on terms, conditions and specifications contained in the tender document and not to stipulate any deviations. In case it is absolutely unavoidable to deviate from tender conditions & if a tenderer desires to propose any addition/deviation/alterations to any of the terms and conditions contained in the tender document, the same must be expressed clearly in Annexure-IV and should be furnished along with part-I of the offer, without making any corrections on the body of the tender document at their risk. In the absence of same it, it will be deemed as unqualified acceptance by the Tenderer to all the terms and conditions contained herein. Company may accept or not to accept the deviations put by the tenderer at its sole discretions. No claim on this will be entertained.
 - a. Tenderer should mention the deviations, if any, at their own risk of rejection of their offer
 - b. Deviations mentioned anywhere else in the offer shall be ignored without any consequences
11. Tenders containing corrections and alterations are liable to be rejected unless all such corrections and alterations are legible, clear signed & stamped by the tenderer.
12. Quotation qualified by such vague and indefinite expressions as "SUBJECT TO IMMEDIATE ACCEPTANCE" or "SUBJECT TO PRIOR SALE" is liable to be ignored
13. **TENDERER SHOULD FURNISH FOLLOWING AUTHENTICATED SUPPORTING DOCUMENTRY PROOF/DOCUMENTS ALONGWITH PART - I (TECHNO COMMERCIAL OFFER):**
 - a. One copy of complete tender document as issued duly filled and sealed & signed on each page by the tenderer as a token of acceptance of scope of work, terms & conditions of tender.
 - b. Demand Draft of Tender document fee, if the same is downloaded from the website as per clause no. 2(a) and Demand Draft/PO of Bid Security in the manner specified in tender as per clause no. 18.0 (Section-I).
 - c. Copies of Purchase order and work completion certificate / performance certificate for at least (1) one no. PLC installation/replacement work executed in PSU/Govt. Sector or Large Private Industries
 - d. In case of authorized dealers, furnish valid Authorization/Accreditation certificate from the manufacturer for participating in the tender
 - e. Detailed Technical leaflet of offered items, if required.
 - f. Confirmation to suitability and conformity of offered items, if required.
 - g. Copy of registration certificate under the Micro, Small & Medium Enterprises Development Act 2006, as per annexure-III.
 - h. Duly filled Annexure I to XII along with part-I of tender and Annexure-XIII (Price Bid) Part-II in separate sealed envelope (Envelope no. 3).
 - i. Any other relevant document, in support of eligibility criteria/terms & conditions of tender

Note: Each & every page of tender document, Annexure & documents furnished along with part I & Part II should be sealed & signed by the authorized person of the tenderer.

14. **BEFORE SUBMITTING TENDER:** Tenderer shall be deemed to have satisfied himself of all conditions liable to be encountered during the execution of the contract or rates

quoted in the offer are adequate and all inclusive with respect to all factors circumstances and conditions likely to be incidental/ encountered to the execution of the contract, as per the scope and conditions given herein.

15. **AUTHORITY TO SIGN TENDER:** The tender should be signed by the person who is legally authorized to enter into commitments on behalf of the Tenderer. The authorization letter should be enclosed.
16. **SCHEDULE OF RATES:** Rate should be quoted in the Schedule of Rates/Price Bid offer- Part II as per Annexure – XIII (appended hereto). The rate quoted should be both in figures and words. In case of any discrepancy between the figures and written words the lower of the two shall be taken as quoted rate. No conditions should be mentioned in the Price Bid Offer Part – II, in case, if any will be ignored.
17. **VALIDITY:** The tenderer shall keep the offer open for acceptance by RSMML for a minimum period of 120 Days from the date of opening of Part-I tender, within which period the tenderer shall have no right to withdraw, amend or modify his offer. In case of withdrawal/ amendment/modification the Bid security deposited by the Tenderer, as per clause No. 18 (Section-I) hereof, shall stand forfeited. The validity period may be extended further, if required, by mutual consent from time to time.
In case, tenderer, after issuance of communication of acceptance of offer by RSMML, fails to execute the contract as per the conditions of the contract, such an event will be considered as the tenderer calculated willful breach of the contract, the cost & consequence of which shall be on the sole account of the tenderer. Moreover, RSMML have full right to claim damages thereof in addition to the forfeiture of BID SECURITY
18. **BID SECURITY:**
 - a. The tenderer shall deposit (interest free) a sum of **Rs 35,000/-** (Rupees Thirty Five thousand only) as Bid Security along with the tender by Demand Draft/PO. It should be in favor of RSMML payable at Udaipur. Offers not accompanied with the requisite Bid Security will not be considered. Bid Security in any manner other than DD/PO will not be accepted.
 - b. The tenderer is to furnish the Bid Security as per provisions at clause 2.1 while opening of the tender, the envelope containing Bid Security will be opened first and in case the same is found as per tender requirement, then only the sealed envelope containing part-I & part- II of offer will be opened. The offer of the tenderer(s) who has not furnished Bid Security of requisite amount and in prescribed manner will not be considered
 - c. The EMD shall be forfeited in case of:
 - i. If tenderer unsolicited revises and/or modifies and/or withdraws and/or amends and/or cancels their tender at its own after submission of tender
 - ii. If it is established that tenderer have submitted any wrong information/forged document along-with the tender or thereafter/ found indulge in unfair trade practices
 - iii. If the tenderer declines to accept contract/order placed by the Company subsequent to acceptance of his offer
 - iv. If the tenderer does not submit the security deposit cum performance guarantee
 - v. If the tenderer breaches any promising provision of code of integrity Prescribed for bidder as detailed at Annexure-IX.
 - d. The Bid Security furnished by the unsuccessful tenderer will be refunded after finalization of tender / validity of the offer has expired. Bid Security of successful tenderer will be refunded after receipt of Security Deposit cum performance guarantee
 - e. The Bid Security of a tenderer lying with the company in respect of other tenders awaiting approval or rejected or on account of contract completed will not be adjusted towards Bid Security against this tender, however, the Bid Security originally deposited may be taken into consideration in case tender is re-invited

- f. In case of participation by Undertakings, Corporations, Autonomous Bodies which are controlled and managed by Govt., Govt. Undertakings and Companies of Union Govt. & Govt. of Rajasthan, they are exempted from deposition of Bid security
- g. Bid security will be taken @ 25% of the total value of Bid security of tender incase of participation by SSI unit of Rajasthan subject to that the tenderer has participated against the tender in a capacity of manufacturer of offered product
- h. Except above, no Bid security exemption will be given to any party on any grounds and their offer will liable for exemption

19. **RSMML RIGHTS:** The Company reserves to exercise the following rights at its sole discretion without assigning any reasons thereof. The decision of the Company in this regard shall be final and binding

- a. Not to accept any offer or reject any or all the offers.
- b. To reject any or all the tenders received or accept a tender either for the total Scope of Work or part thereof & not to accept the lowest tender without assigning any reason.
- c. To cancel the tender, postpone it for another date, change the venue of the receipt/opening of the tender.
- d. To increase/ decrease the tendered quantity.
- e. To split the tendered items into more than one tenderer.
- f. To accept/not to accept offered material, if not found technically suitable as per requirement of RSMML
- g. To reject the offer, if it is established that the tenderer has submitted any wrong & misleading information /forged document along with offer or thereafter.

For RAJASTHAN STATE MINES & MINERALS LIMITED,

DY. GENERAL MANAGER (MM)

I/ We have studied the above terms and conditions and having understood the same in true sense and spirit I/We shall abide by and adhere to the above terms and conditions fully.

Signature of Tenderer with official stamps

Date:

Place:

Section II: SPECIAL CONDITIONS OF CONTRACT (SCC)

1. SPECIFICATION, QUANTITY & SCOPE OF SUPPLY:

- a) Quantity & detail technical specification are as per annexure-I
- b) The scope of supply shall be the delivery of Stores by the supplier as per Annexure-I in accordance with the Terms and Conditions of the Tender.
- c) The supplier shall be deemed to have carefully examined and to have knowledge of the general and other conditions, schedules, and all other documents forming part of the contract, and also to have satisfied himself as to the nature and character of the Stores to be delivered under the contract.
- d) The supplier shall be entirely responsible for the performance of the contract in all respects according to the intent and meaning of the specification data.

2. EVALUATION OF TENDER:

- a. Pre-qualifying criteria:
 - i. The tenderer should be manufacturer/distributors/bonafide dealers for which valid proof should be furnished along with tender document.
 - ii. Copies of Purchase order and work completion certificate / performance certificate for at least (1) one no. PLC installation/replacement work executed in PSU/Govt. Sector or Large Private Industries;
 - iii. The tenderer who fails to furnish the prescribed EMD shall not be eligible for price bid opening;
- b. The techno-commercial suitability of the offers will be ascertained on the basis of pre-qualifying criteria, past track record of the suppliers to supply of similar technical specifications, the quantum and performance of such supplies on the basis of documents submitted along with the Tender (Part-I of the offer). The decision of the Company with regard to short-listed bidders shall be final and binding to tenderers.
- c. Price Part (Part-II) of the offer of only short-listed tenderers will be opened and only such short-listed tenderers will be informed about the date and time of opening of the price bid. The company will generally not entertain any correspondence on this subject.

3. DETERMINATION OF LOWEST BIDDER:

- a. The lowest tenderer shall be determined on the basis of total landed rate offered by the tenderer for supply of items on FOR Jhamarkotra Mines basis inclusive of all taxes, duties, transportation, insurance & any other delivery charges up to destination. The effect of any direct/indirect tax /duties/levies (Input Tax Credit, Entry Tax) imposed by Govt. of Rajasthan/Central Govt. on supply of tendered store will be given while calculating the landed cost.
- b. The element of Rajasthan Value Added Tax shall be excluded from the rates quoted by the manufacturing firms of Rajasthan and the element of Central Sales Tax shall be included in the rates of firms from outside Rajasthan for evaluation purpose.
- c. In the event company accepts the lowest tendered rate, the offer of such tenderer will be accepted for issuance of purchase order.
- d. In the event the company does not find the lowest quoted rate, acceptable to it, then the tender will be scrapped and may be re-invited, or company may take any other suitable action as deemed fit looking to the exigency of the work.

4. NEGOTIATIONS:

- a. 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.

- b. 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.
 - c. 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.
 - d. In the event the company does not find the lowest quoted rate, acceptable to it, then the tender will be scrapped and may be re-invited, or company may take any other suitable action as deemed fit looking to the exigency of the work.
5. **NO COMPENSATION FOR ALTERATION OF DELIVERY SCHEDULE OR SUSPENSION OF SUPPLIES:** If at any time after commencement of the supply, if the Company, for any reason, whatsoever do not require the whole supply or part thereof as specified in the AT, shall give notice in writing of the same to the supplier and the supplier shall not be entitled for any compensation and/or damage of any kind whatsoever on account for loss or profit etc. nor the contractor be entitled to any claim for compensation for re-scheduling of delivery period.
6. **SECURITY DEPOSIT-CUM-PERFORMANCE GUARANTEE:**
- a. As security for due, proper and faithful fulfillment of the obligations under the contract, the tenderer will furnish to RSMML, Security Deposit-cum-Performance Guarantee of **10% of total value of order** by way of Demand Draft/Pay Order or in the form of Bank Guarantee in RSMML proforma from any Public Sector/ICICI/HDFC/AXIS Bank having its branch at Udaipur, within 21 days from the date of receipt of intimation of RSMML's acceptance of the tender. The Bank Guarantee should be valid for a period of 3/6 month in excess of the warrantee period/work completion period or purchase order date.
 - b. In case SD is being furnished in the form of Bank Guarantee, the BG should be furnished on the non-judicial stamp paper of the value equal to 0.1% (Zero Point One Percent) of security deposit or of Rs. 200/- whichever is higher.
 - c. The SD shall be liable to be invoked/amount of SD is liable to be forfeited wholly or partly at the sole discretion of the Company, should the supplier either fails to execute the work within the stipulated period or fails to fulfill the agreed obligations or fails to settle in full, it's dues to the Company.
 - d. The Company is empowered to recover from the SD any sum due and/or any other sum that may be fixed by the Company as being the amount or loss or losses or damages suffered by it due to unsatisfactory performance or non-fulfillment of any of the conditions of the tender/contract.
 - e. The Bank Guarantee/SD shall remain in force and binding, notwithstanding, if any variation, alteration, modification etc. are made to the contract or any extension of the contract period are granted by RSMML.
 - f. RSMML shall not pay any interest on the Security Deposit. The Security Deposit shall be released on application by the contractor after expiry of guarantees and after discharge of all the supplier's obligations under the contract.
 - g. The said Security Deposit shall not in any way be construed as a limitation of the supplier's responsibility or liability pertaining to its obligations and guarantees under the contract and shall be without prejudice to any remedies available to RSMML in terms of the contract and or as per the laws of the land.
 - h. Bank Guarantee/SD should be sent to the office of Dy. General Manager (MM), RSMM Ltd., Jhamarkotra Mines
7. **INSPECTION:**
- a. RSMML shall have the right to inspect and/or to test the goods to confirm their conformity to the order. Inspection may be carried out at Supplier's end &/or consignee's end.
 - b. However, final inspection shall be carried out at consignee's end which will be final and binding to both the parties. All reasonable facilities and assistance including access to technical data, drawings etc. shall be furnished by the tenderer to the inspector at no charge to facilitate inspection.

- c. In case of rejection of any item, the same should be replaced, to meet specification requirements, by the tenderer at their own risk & cost.
- d. The inspection/test reports shall in no way release the tenderer from any warrantee or other obligation under this contract

8. **PRICES:**

- a. Price should be quoted as per Annexure –XIII (Price Bid) for supply of tendered items, annexed hereto. Prices should be quoted in Indian Rupees only.
- b. Price quoted must be net per unit, and should be offered on FOR destination basis at Jhamarkotra Mines, including transportation, insurance & other delivery charges up to destination.
- c. Entries should be neat and legible without any correction. Corrections, if any, must be signed in full and dated. The prices must be stated for each item separately.
- d. The charges towards duties, taxes, levies or any other charges as applicable for the supply of pumps must be stated specifically. In the absence of any such stipulation it will be presumed that the price include all such charges and no claim whatsoever for the same will be entertained.
- e. The tenderer shall be entirely responsible for all taxes, duties and other such levies imposed outside the India, including all bank charges.
- f. Entry Tax, if any, leviable by Govt. of Rajasthan will be borne and paid by RSMML.
- g. Tenderer shall warrant that the prices being charged to the Rajasthan State Mines & Minerals Limited are not higher nor the terms taken as a whole less favorable than in respect to tenderer current sales

9. **DELIVERY TERMS:**

- a. The delivery of the stores is required Ex. stock and should be dispatched as soon as the orders are placed. The tenderer should state the earliest delivery period they can offer for full or part quantity.
- b. Should the supplier fail to deliver the stores in full or part within the delivery period of the contract, Company will be entitled to cancel the contract in full or for undelivered portion and to purchase at the risk and cost of the tenderer

10. **CONSIGNEE:** The Consignee is Dy. General Manager (MM), RSMM Ltd., P.O. Jhamarkotra Mines, Dist. Udaipur or his authorized representative

11. **INSURANCE:** In case the materials are ordered on F.O.R Destination basis, the supplier shall insure the Stores against all transit risk from warehouse to warehouse basis at his own cost.

12. **TERMS OF PAYMENT & PAYING AUTHORITY:**

- a. Company desirable payment terms are 100% within 30 days on receipt and acceptance of goods at Jhamarkotra Mines stores.
- b. Billing & Paying Authority: The bill in triplicate along-with the supporting documents duly verified by the consignee will be released by Payment disbursing authority – The Payment disbursing authority is HOD (F&A), Jhamarkotra Mines.
- c. Payment will be made through RTGS/NEFT. All bank charges/ commission, if any, shall be borne by the supplier

13. **MANUFACTURER:** In case the tenderer is Dealers/Distributors/Sole Agents, the name of the manufacturers for the Stores will be indicated. The manufacturer's valid Authorization Certificate to participate in the tender should be enclosed.

14. **TECHNICAL DATA:** Stores shall confirm the technical specifications as per **Annexure-I**. In case tenderers are on the Rate/Running contract with the DGS&D, a copy of Rate/Running Contract price of DGS&D will also be produced by the tenderer.

15. **PRICE VARIATION:** The quoted price should remain firm and fixed till the completion of supplies. Only variation on account of changes in Taxes & Duties by the Government

will be considered. No escalation/ variation on any other grounds whatsoever shall be considered or be admissible:

- a. Escalation on Government Taxes & Duties: The tenderer will indicate in his offer the applicable Taxes & Royalty at the time of opening of Part-I offer. In the event of any increase/decrease in the Taxes & royalty by the Government, the difference of the same shall be passed on to the Contractor/RSMML as the case may be. The subsequent increase/decrease shall be payable only on the production of authentic documentary proof by the Contractor.
- b. Save and except as aforesaid, the contractor shall not be entitled to raise any claim and/or demand and/or any dispute on account of escalation or raise or increase in the prices of any other item or element whether in respect of electrical charges, high speed diesel, oil, lubricants, tyres, tubes, spares, wages or minimum wages of workmen either statutory or contractual under any settlement or award or otherwise or on any other ground/or reason whatsoever.
- c. Suitable price variation clause may be added on case to case basis where price escalation/de-escalation is to be passed on depending upon price variation of any input material

16. **COMPENSATION FOR DELAYED DELIVERY:** Should the contractor fail to deliver the stores in full/part within the delivery date the Company shall be entitled at its option either:

- a. To recover from the contractor as agreed compensation @ 0.5% of the value of the undelivered stores, for each week or part thereof subject to a maximum of 5% of value of undelivered store.

OR

- b. To purchase from elsewhere, without notice to supplier at his risk and cost of full undelivered part, as the case may be.

OR

- c. To cancel the contract in full or for the undelivered portion and to purchase or authorize purchase at the risk and cost of the supplier.

OR

- d. Company will be empowered to repurchase in such case (b&c) above, stores which are readily available to meet his requirements, irrespective of the fact whether these are similar or not

17. **ASSIGNMENT:** The contractor shall not sublet, transfer or assign this contract or any part thereof (or any benefit or interest therein and there under) 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 agents and employees fully as if those are the Contractor 's own acts.

18. **INDEMNIFICATION:** Except where arising from the negligence of RSMML or RSMML's employees, the supplier shall indemnify RSMML in respect of any costs or damages, whatsoever arising out of or related to breach of statutes, laws, acts, rules and regulations, damage, accident or loss etc. by the supplier or suppliers personnel or by claims made against RSMML by third parties in respect thereof.

19. **PERFORMANCE GUARANTEE:** The tenderer shall guarantee that the stores under the contract shall be free from all defects for a minimum period of Twelve months from the date of delivery of stores or Eighteen months from date of invoice, whichever is earlier. If at any time during the guarantee period, the stores do not confirm the Company's requirements/specifications and/or do not meet the desired performance/specifications the supplier will lift the material at its own expenses within a time to be specified by the Consignee. In the event the tenderer failing to do so, the Company shall take appropriate action and the expenses on this account forthwith be reimbursed by the tenderer/adjusted from any due payment without prejudice to the Company's any other rights and/or remedies provided in the contract or by the relevant provision of Law

20. **PRICE FALL CLAUSE:** In the event of supplier accepting lower prices for supplies covered under the contract to any other companies during the pendency of the contract, the lower price and charges will also be applicable to this contract. The supplier must intimate RSMML as soon as they accept lower prices from any other company including PSU and Government Organization.
21. **TERMINATION:**
- a. In case of failure to perform the job as required under this tender or observe breach of any of the terms and conditions by the tenderer, the company shall give a notice to rectify such default/breach may result in termination of the Purchase Order and forfeiture of Security Deposit without any prejudice to the Company's rights to claim damages/cost/ loss etc. caused by such default/breach. Such termination shall not absolve the supplier of the liabilities accruing till the date of such termination.
 - b. b) The contract may also be terminated in the event the supplier is being adjudged insolvent or going into Liquidation or Winding up of their business, or making arrangement with their creditors.
- Notwithstanding anything contained herein above, the Company in its absolute discretion may at any time terminate the order without assigning any reason thereof by giving fifteen day's notice to the supplier at their last notified address. In such an event the supplier 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
22. **INDIAN/BSS STANDARD:** All specification mentioned in the tender documents are based on Indian Standards or equivalent and where no Indian standards exists the supplies conform to B.S.S. All electric installations, equipments etc shall have to conform to Indian Electricity Rules 1967 and as amended from time to time.
23. **FORCE MAJEURE:** At any time, during the continuance of the contract, the performance in whole or in part by either party (sub-vendors excluded) and/or obligations under this contract shall be prevented or delayed by reason of any war, hostility acts of public enemy, civil commotion, sabotage, fires, floods, explosion, epidemics, quarantine restrictions, non-performance due to labour strikes, lock-outs and Acts of God or Acts of Government/statutory bodies (hereinafter referred as "Event") then provided a notice of the happening of any such event is given within **seven days** from the date of occurrence thereof neither party shall by reason of such event be entitled to terminate this contract nor shall either party have any claim for damage against the other in respect of such non-performance or delay in performance and the deliveries and/or performance of the work under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist and decision of Company as to whether the deliveries and/or performance of the work have been so resumed or not shall be final and conclusive. Provided further that if the performance in whole or in part is delayed by reasons of any such events for a period exceeding **thirty days** either party may at its option terminate the contract.
24. **JURISDICTION:** The contract is subject to the jurisdiction of courts of Udaipur in the state of Rajasthan

For RAJASTHAN STATE MINES & MINERALS LIMITED,

DY. GENERAL MANAGER (MM)

I/ We have studied the above terms and conditions and having understood the same in true sense and spirit I/We shall abide by and adhere to the above terms and conditions fully.

Signature of Tenderer with official stamps

Date & Place:

ACCEPTANCE TO THE TECHNICAL SPECIFICATION

(To be enclosed with part-I of offer)

S. No	Description/ Specification of Material	Unit	Qty	Deviation, if any
Make: Allen Bradley or Siemens or L&T or Schneider or ABB or GE-Fanuc or Omron or Mitsubishi or Modicon or Phoenix or Honeywell" makes only				
1	Replacement of existing Allen Bradley make PLC (SLC 5/05 Processor + AB 3/10 IOs) installed at LGO Crushing Plant, Jhamarkotra Mines, Udaipur with latest technology PLC/PAC System. Other detailed specifications as per Annexure-A, B, C & D	Nos.	1	

Note:

- (i) Bidders may specifically quote as per the Make, Description, mentioned in the Annexure-I, if there is any deviation it should be specifically mentioned for proper evaluation of offer.
- (ii) Technical Leaflet/Brochure etc. to be provided along with the offer.

We hereby confirm and accept to supply of material as per above specifications.

Signature of Tenderer with Official stamps

Date:

Place:

LGO CRUSHING PLANT PLC REPLACEMENT DETAILS**1. SCOPE OF WORK FOR PLC REPLACEMENT:**

The existing Allen Bradley make PLC system (SLC5/05 Processor + AB 3/10 IOs) installed at LGO crushing plant, Jhamarkotra Mines, Udaipur is required to be replaced by latest technology PLC/PAC system of **"Allen Bradley or Siemens or L&T or Schneider or ABB or GE-Fanuc or Omron or Mitsubishi or Modicon or Phoenix or Honeywell"** makes only. (Refer Annexure - B for existing system). The job includes removal, replacement of the existing PLC and all its associated hardware except panels.

The scope of work shall comprise of the following but not limited to:

- a. Vendor shall be responsible for complete supply, installation, testing & commissioning of equipments at specified locations in the plant, lay the interconnecting cables, check out, test and commission the system, wiring inside the panels etc. on turnkey basis. Manufacture / Supply of all hardware and software necessary to meet specified functional requirements including system configuration, system integration, and final acceptance of the system.
- b. Existing Panels shall be used. However, Vendor has to replace all the existing hardware inside the panels e.g. MCBs, Terminal Blocks, Fuses, Relays, Switches, cables, all PLC Racks & modules, power supplies etc. Vendor shall supply, install & commission new hardware inside the panels. Vendor has to do all the wiring work along with proper termination and ferruling as per the requirement of the system.
- c. PLC/PAC shall be programmed in Ladder Logic with proper descriptions of each input address, output address, PLC/PAC internal memory address, Important Rungs, Subroutines, Blocks, Data Blocks, Functions etc. as per the existing system and our requirement. The existing Logic schemes shall be made available by RSMML.
- d. The system shall be supplied with PLC Programming Software, SCADA Software, Cable, Connectors & any tools and related accessories required for each of programmable devices in the system.
- e. SCADA Software shall be installed & commissioned as per details provided by RSMML. SCADA software shall be of **"Allen Bradley or Siemens or L&T or Schneider or ABB or GE-Fanuc or Omron or Mitsubishi or Modicon or Phoenix or Honeywell"** makes only. The PLC/PAC processor supplied shall communicate with offered SCADA system. SCADA Specification shall be as per Annexure - D.
- f. Offered Processor shall support Wireless Ethernet communication with Allen Bradley PLC SLC 5/05 (Ethernet/IP protocol) either directly or through use of external hardware e.g. protocol converter. Necessary Hardware / software required shall be supplied, installed and commissioned. Data mapping details will be provided by RSMML.
- g. Existing earth pit shall be used. If the existing earth pit is not as per OEM standards the same shall be provided at location shown by RSMML including earth electrode / earthing cables etc. Vendor shall submit the details for the earth pit requirement as per OEM standards.
- h. Supplier shall include involving qualified Engineers and Technicians for participation in engineering, installation, field testing and commissioning of the system.
- i. Power supply and electrical requirement:
Redundancy for 24 VDC Power supply shall be provided. 220 VAC Power supply from existing UPS will be made available by RSMML. Wherever 24VDC power supply is required the same shall be made available by using redundant power supplies with Diode O ring for each panel i.e. PLC/PAC processor Panel and Remote Input / Output panels along with individual MCBs for input and output. A 24 VDC Bus bar must be provided in each panel. Power cables to individual consumers shall not be looped together. Separate wires shall be laid from bus bar to individual devices. MCBs and fuses with appropriate rating shall be provided by the supplier.
Power supply provided shall have the following specifications:
 - i. Power supplies shall be redundant with $\pm 0.5V$ tolerance.
 - ii. Separate power supplies shall be provided for each panel i.e. PLC/PAC Panel and its associated Remote Input output panels.
 - iii. Each power supply shall be sized for 150% of load.

- j. Vendor's responsibility at site shall include all activities necessary to be performed to complete the job:-
- i. Checking for completeness of supplies.
 - ii. Field cable identification before removal of cables.
 - iii. Installation of the system including field cable termination in the system.
 - iv. Loop Checking
 - v. Check out of the equipment installation.
 - vi. Identification of the field cables and Termination of the same.
 - vii. Necessary wiring inside the panels is to be carried out including supply of cables.
 - viii. Checking of interconnection, hardware and software configuration, overall system functioning.
 - ix. Liaison with vendor's home office.
 - x. Field test.
 - xi. Commissioning and online debugging of the system.
 - xii. Involvement during plant commissioning and performance of final acceptance test.
 - xiii. Cable laying and identification of field cables.

2. SPECIAL INSTRUCTIONS TO VENDOR:

- a. Supplier should bear the cost on account of any damages occurred to the existing system / parts of RSMML during and while on commissioning.
- b. Maximum LGO Crushing Plant shutdown shall not exceed **5 days** on account of this PLC replacement work.
- c. Vendor to note that the "MDS / OMRON/ WAGO / ELMEX / PHOENIX / WEIDMULLER / Allen Bradley / Siemens / L&T / Schneider / ABB / GE-Fanuc / Omron / Mitsubishi / Modicon / Honeywell" makes of MCBs, Relays, TBs etc. only to be supplied and used in this project.
Note: All inputs / output terminal blocks shall be fuse type with fuses of appropriate rating and LED indication.
- d. Input - output considerations:
The total number of input/output is given in Annexure - C
 - i. All Input/Outputs modules shall be compatible with PLC/PAC processor offered.
 - ii. No. of channels in Digital Input & Output modules shall be 8 channels per module or more & shall be suitable for SIL-3 application.
 - iii. No. of channels in Analog Input modules shall be 4 channels per module or more & shall be with minimum resolution of 12 bit.
 - iv. No. of channels in Analog Output modules shall be 2 channels per module or more & shall be with minimum resolution of 12 bit.
 - v. Input & output details:-
 - Input / Output shall have LED status Indicators.
 - All Inputs / Outputs shall be provided with proper Isolation. If modules offered does not have inbuilt isolation then external isolator shall be provided.
 - All the Inputs / Outputs shall be electrically protected against reverse polarity / short circuit / earth etc.
 - Digital Inputs & Outputs complying with SIL-3 application shall be supplied to ensure minimum failure. This is to ensure man & machine safety.
 - Digital Input / Output signal should be 24 VDC.
 - Analog Input / Output signal modules should be 4-20 mA / 0-10 VDC selectable.
 - Digital Outputs should be 24 VDC to the coil of 24 VDC Din Rail mounted interposing Relays. The interposing Relays required should be supplied and installed. Relays shall be provided with base and LED indication.
 - Digital Input will be NO/NC potential free contacts from field devices. Interrogation voltage of 24 VDC shall be supplied and installed.
 - Analog inputs presently installed are single-ended type.
- e. All the Equipments, MCBs, Switches, TBs, Wires, Cables, shall have proper identification marks. The Tagging and Identification philosophy must be discussed with engineer in charge of RSMML.
- f. Specifications of PLC/PAC processor module (Allen Bradley / Siemens / L&T / Schneider / ABB / GE-Fanuc / Omron / Mitsubishi / Modicon / Phoenix / Honeywell makes only):

- i. The PLC/PAC processor module shall have capability to implement all the control functions to implement existing logic scheme / logic diagram.
- ii. PLC/PAC shall have latest version of software, Firmware and Hardware.
- iii. Loading on PLC/PAC processor shall not be more than 60% after preparing all logics.
- iv. Minimum 128 KB internal memory integrated / inbuilt with the offered processor and shall be expandable through memory card. However more memory shall be supplied if required for the application.
[Note: Processor with integrated / inbuilt internal memory less than 128 KB will not be acceptable.]
- v. PLC should be programmable through computer's Ethernet port / RS 232 Port. Necessary items e.g. Communication cable, Programming Software etc. required for this shall be provided. The communication between PC & PLC/PAC processor should be established and demonstrated.
- vi. PLC/PAC shall support programming languages e.g. LADDER, FBD etc.
- vii. Ethernet Communication Protocol e.g. Ethernet/IP, TCP/IP etc. shall be supported by the processor.
- viii. Offered Processor shall support Wireless Ethernet communication with Allen Bradley PLC SLC 5/05 (Ethernet/IP protocol) either directly or through use of external hardware e.g. protocol converter.
 Max. working Temperature: 55 deg C.
- g. Following as built drawings shall be provided:-
 - i. Detailed manuals for all software & hardware in the system.
 - ii. Soft and hard copies (3 nos.) of system configuration diagram, Input / Output chart, Ladder Diagram, Panel Diagram, Panel wiring details, Power supply diagram etc.
- h. Following documents shall be submitted along with the offer as a minimum:-
 - i. Catalogue for each equipment in the system covering technical specification, Cat. No., Part No., Model No., etc. System Configuration diagram & System description shall also be enclosed along with.
 - ii. Tenderer should furnish written declaration from OEM that service support and supply of spare parts for the offered PLC system will be available for minimum 10 years.
 - iii. Copies of Purchase order and work completion certificate / performance certificate for at least (1) one no. PLC installation/replacement work executed in PSU/Govt. Sector or Large Private Industries.
- i. PLC remote input / output Panels i.e. Panel - 2 & Panel - 3 shall have extra empty slots to accommodate at least 4 extra modules in each panel for future expansion.
- j. Training for PLC shall be provided free of cost by the manufacturer's experts in the respective fields.
- k. Vendor to consider Supply of all installation material including cable trays ,conduits, supports, base-channel frames, glands and other accessories as necessary.
- l. If any other item is required for achieving full functionality, the supplier should indicate & provide the same & submit offer for the same also.
- m. Before submitting the offer, vendor may visit the site and understand all the jobs in detail then to submit the offer. This will enable minimum deviation from the RSMML specification and easy of technical evaluation further.

3. FINAL ACCEPTANCE TEST:

RSMML will take over the system from the vendor after the **final acceptance test**, which is defined as successful uninterrupted operation of the complete LGO Crushing Plant for four weeks for all units of the plant. Vendor's personnel shall be present during the test. Any malfunctioning of the system components shall be immediately replaced /Repaired as required. Once the system failure is detected, the acceptance test shall all over again begin from the beginning. The warrantee period commences from the day RSMML takes over the system.

4. WARRANTEE CONDITIONS:

- i. The onsite warrantee of complete system shall be provided for period of 12 months. Vendor shall be responsible for the manufacture in respect of proper design, quality, workmanship, and

operation of all equipment, accessories etc. supplied by vendor for a period of 12 months from the date of taking over by the owner at site i.e. after Final Acceptance Test.

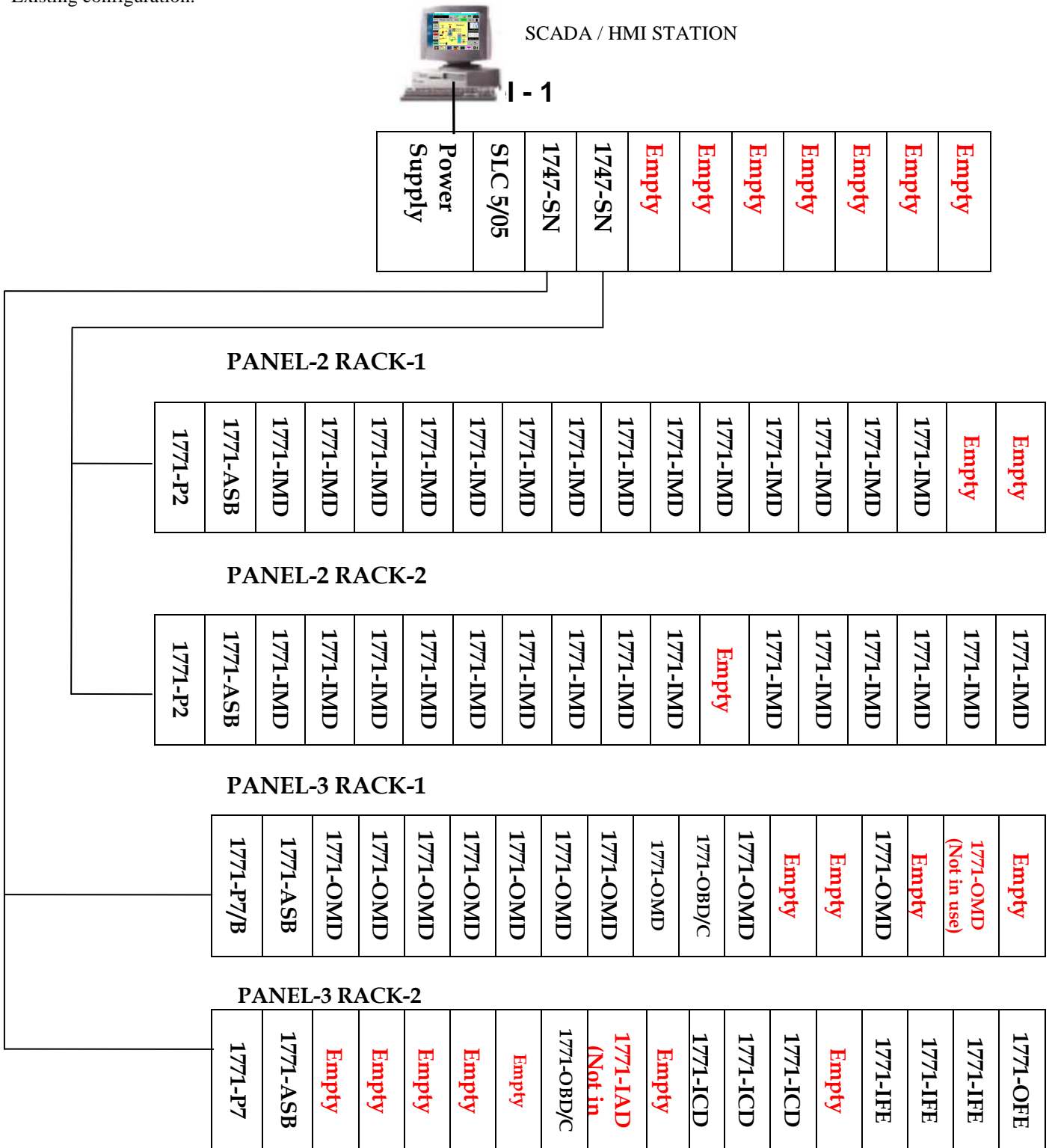
- ii. It may be noted that during the defect liability / warranty period, vendor will take complete responsibility for any defect observed in the system.
- iii. It shall be obligatory on the part of vendor to modify and/or replace any hardware and modify the operating, application and diagnostic software free of cost, in case any malfunction is revealed even during online operation after taking over within the warranty period.
- iv. Vendor shall provide the total maintenance of system during warranty period including replacement of equipment / component at no extra cost.
- v. On any failure, Service Engineer shall report to the site within 24 hours.

5. SCHEDULE OF IMPLEMENTATION:

- i. Successful bidder shall submit a schedule of implementation i.e. vendor shall prepare a work plan and send a schedule with proper milestones e.g. Panel wiring, PLC racks & modules installation, daily work plan during plant shut down period etc. They shall clearly mention in their schedule that at which stage, they require plant shut down. They shall mention in their schedule daily work plan for plant shutdown period. Stipulated time given for the plant shut down is 5 days.
- ii. Daily status report for the progress in work shall be submitted by vendor at the end of each day during plant shut down period.

Note: - RSMML reserves the right to involve and satisfy himself at each and every stage of installation & commissioning. They shall be free to request any specific test on equipment considered necessary by him.

Existing configuration:



AB - Allen Bradley, PS - Power Supply, SLC 5/05 - AB PLC CPU, 1747-SN - AB Scanner Module, 1771-P2 / 1771-P7 / 1771-P7/B - AB Rack Power Supply Module, 1771-ASB - AB Adaptor Module, 1771-IMD / 1771-ICD / 1771-IAD - AB Digital Input Module, 1771-OMD / 1771-OB/D/C - AB Digital Output Module, 1771-IFE - AB Analog Input Module, 1771-OFE - AB Analog Output Module.

Total Input / Output installed (Panel wise)

S. No.	Description	Location	Digital Input	Digital Output	Analog Input	Analog Output
1.	CPU Panel	LGO Control room	0	0	0	0
2.	Panel-2 Rack-1	LGO MCC room	224	0	0	0
3.	Panel-2 Rack-2	LGO MCC room	240	0	0	0
4.	Panel-3 Rack-1	LGO MCC room	0	176	0	0
5.	Panel-3 Rack-2	LGO MCC room	48	16	48	4
TOTAL			512	192	48 (Single ended)	4

Notes:-

1. Digital inputs and outputs shall be 16 / 8 Channel per module.
2. Analog inputs and outputs shall be 16 / 8 / 4 Channel per module.
3. The number of Input / Outputs offered shall be as per above table.
4. Approx. 100 mtrs Communication cable may be considered. However vendor may visit at our site and quote accordingly.

SCADA system specifications:**1. SCADA Software introduction**

SCADA software shall be capable of working on latest version of Microsoft WINDOWS operating system. The Software shall be general-purpose, suitable for any SCADA project of RSMML, menu driven, user-friendly, GUI based and fully user configurable. It should have facility for application engineering with necessary tools and library modules, so that it can be easily customized. It should be possible to customize the software to specific need of mimic and tabular displays, representation of various equipment and devices. It should be possible to create new symbols and add to this library. The architecture of the software shall be modular and it should be possible to upgrade it to the newer versions of operating systems. The software shall give fast response to operator actions and system events. Software data logging functions should have flexible time and event based sampling from real time process database. All values should be registered with status/value and time stamp. The software may require up gradation/reconfiguration from time to time as per purchaser's modified requirements such as adding additional DI/DO/AI / AO points or addition of complete PLC. SCADA vendor shall provide all necessary run time utilities for successful running of the SCADA application. The utilities supplied by the Contractor along with operating system should be sufficient to independently execute the SCADA software without any problem.

SCADA server should be configurable to provide for the monitoring and control of all points, loops, and systems through graphic display screens. Following features shall include as minimum:

- a. Parameter Displays for signal control
- b. Control Loop Status Displays
- c. Real Time Data Value and Historical Data Trend Displays
- d. Event Displays, Alarm Displays and Log Reports
- e. Equipment Diagnostic Displays and Reports
- f. Support for ODBC, OLE, ActiveX, COM/DCOM, DDE and Advance DDE, C programming language, Visual Basic®, TCP/IP, OPC, XML, Windows Metafiles etc
- g. Support for wireless Ethernet architecture, Client / Server Architecture, Data Sharing
- h. Project Configuration Wizard
- i. Graphical User Interface/Status Monitoring
- j. Alarming, Data Logging, Data Trending & Report Generation
- k. Minimum 5000 Tags / Points supported
- l. Support for Latest Microsoft operating system e.g. Windows - 7 / Windows - 8
- m. Connectivity with different PLC makes

2. Viewers / Client system

Viewer Systems should provide system users with easy access to plant floor data using the same graphical user interface as SCADA Servers. Viewers should be capable of Monitor, control and modify the data required for Plant operation.

3. User Management, System security and access levels

In supporting a client / server architecture, the product must be able to handle multiple users with different logons and security. The system should provide various security levels for access for different functions. In addition to above backup and recovery procedures shall also be well defined. SCADA purchaser shall be trained about the security threats and vulnerabilities involved.

4. Acquisition of Signals, Data & Required Data Types

The SCADA system shall be capable of acquiring Analog signals. The Analog data shall be time tagged. Software shall have capability for Analog value scaling, processing and conversion to engineering values, apart from limit settings of parameters. Software shall be fully configurable to analyze the analogue data received e.g. energy parameters, voltage, current and power factor in the form of displays (graphs as well as tabular), trends, alarms to operator in case of set limit violations and historical interpretations. There

shall also be facility to transfer the data to spreadsheet applications like MS-Excel in .xml formats. The software shall support the acquisition of Digital Signals with time stamp.

Facility for Manual input shall be provided for any alarms, equipment status including manually operated isolators, measurands and limit-settings, through keyboard. Details like device name, current value/status, scans status (on/off scan), override status and block status shall be displayed.

Data Types such as Global, Floating point, Analog (Signed and Unsigned), Discrete, String, Arrays, Structures etc. shall be supported.

5. Real Time Data Value Display

The system should support advanced ease-of-use configuration for Real Time Data Value Display. Software shall allow a user to select and display a table of points in a separate window without the need for configuring graphic screens. The user should be able to add points to this table by simply dragging and dropping them from the list of points configured in the system. The values of the points should update dynamically along with a time stamp that indicates when the value changed. In addition, points that meet their alarm criteria should be displayed in a different colour. Double clicking on a displayed point should bring up configuration information on the point including its description and alarm information. Points with Read/Write capabilities should be able to be set from this table.

6. Project Configuration Wizard

The monitoring and control system should have an integrated project configuration wizard that steps the user through the initial setup and configuration of the system. The wizard should allow the user to select the communication protocols that have been installed and then be capable of detecting Ethernet based PLC devices and OPC servers. Once these devices and servers are detected the user should be able to select the ones they wish to include in the project. The wizard should then allow the user to automatically configure points for a device based on a user specified memory range. The user interface for wizard should be HTML based to provide a simple and easy method for navigation through the configuration steps.

7. Graphical User Interface/Status Monitoring

The MMI screen developed on WINDOWS shall generally comprise of Title bar, Menu bar, tool bars, status bars etc for real time depiction & control of Plant. This interface shall provide for all interactions between the operator and the SCADA system. It shall also have features for alerting the operator with audio/visual supports on occurrence of critical alarms and events. Full graphic, colored displays of controlled Plant shall be provided by the software. The display shall include ON/OFF status of equipment, alarms, measurands etc.

The Graphical User Interface should provide a set of tools for graphically representing process status. A graphic editor should be provided to enable creation of graphic screens to represent current process information. For ease of use, the editor should include cut & paste as well as drag & drop support within a single window and among multiple windows and should include undo/redo support. The editing package should include a Wizard / Symbol / Object Library to permit the inclusion of pre developed or third party graphic objects. Objects on the graphics screens can be configured with animation features, causing them to change color and/or position. Objects should be dynamically scalable - both horizontally and vertically. The software should support the following dynamic attributes:

- Annunciation, movement, blink, rotation, and fill (uni-directional and bi-directional)
- Gradient fill
- Object border animation
- Object visibility
- Blink fill and blink rate
- Transfer tags for screen transfer or popup windows
- Procedure tags to invoke user defined scripts/programs
- Object and or application help screens
- Alarm information

- Trends charts
- Setpoint tags for point value changes
- Animated frames that can include other graphic objects
- Zoom to Best Fit, Resize Window to Zoom
- Manual and automated rubber band zoom
- Automatic font scaling when changing window sizes
- 1.5 Million Colors

Graphic objects should include:

- Imported metafile objects
- Embedded OLE, including ActiveX objects, sound, video, clip art, spreadsheets, etc.
- SPC charts
- Trend charts
- Historical Data displays
- Alarm displays
- Arcs
- Lines
- Circles
- Ellipses
- Lines
- Polylines
- Polygons
- Rectangles
- Text strings
- Buttons
- 3 Dimensional Piping creator..

Tag types should include:

- constant - downloads constants to a point
- variable - allows operator input of desired value
- ramp - downloads values in configured increments
- slide - increment/decrement of point values
- toggle - sets digital points to opposite state

Graphics screens should support a Visual Basic compliant scripting language. Data items and variables can be manipulated by the screen scripting to provide additional functionality in dynamically controlling screen characteristics. The graphical editor and viewer should be capable of being an ActiveX container. It should be capable of using ActiveX objects provided with the SCADA package or third party ActiveX controls supplied by others.

The graphical user interface should support ActiveX "methods" to allow the user to interact with ActiveX control objects. Interaction may be through the association of a method to a button or object, which the operator initiates, or methods may be used by the Visual Basic compliant scripting language for advanced functionality and additional control of the ActiveX components. The graphical interface should have historical playback and review capabilities. Through a PVR type control interface, the user should be able to select a period of time and then replay the graphical screens and watch the process parameters change on the screen in replay mode. The graphical runtime should be able to optimize the display using anti-aliasing. The handling of graphic images should be such that they can be scaled without distortion.

8. Alarming

Alarms should be generated as per the configuration of the software i.e. whenever the state of the device is found to be in the abnormal condition or any measurand's set limit is violated. In the event of failure of equipment alarm should appear. The software system must support an Alarm Management module capable of alarm annunciation and routing capabilities. The alarm text associated with each alarm should be user configurable.

Alarms are to be applied as follows:

- Digital Points - the alarm generating condition (0 or 1) should be selectable.
- Analog Points - the alarm generating conditions should be evaluated based on alarm criteria selected:

Absolute - There should be two levels of high alarming, HI-2 and HI-1, and two levels of low alarming, LO-1 and LO-2. HI-1 and LO-1 are also known as warning alarms. For high alarming, an alarm should be generated when the point value reaches or exceeds the value specified for HI-1 or HI-2. For low alarming, an alarm should be generated when the point value reaches or falls below the value specified for LO-1 or LO-2.

Deviation - Alarm limits for deviation alarms should be given in positive values. The HI-2 and HI-1 alarms should be generated when the difference between the current point value and the Deviation Point value is positive and reaches or exceeds the specified limits. The LO-1 and LO-2 alarms should be generated when the difference between the current point value and the Deviation Point value is negative and the absolute value of the difference reaches or exceeds the specified limits.

- Rate of Change - Rate of Change alarms should be provided to detect either a faster or slower than expected change in the value of a point.
- Duration - The Alarm Display should include total time in alarm state.

Alarms should be configurable to be filtered and asynchronously sent to users based on user role and scope of responsibilities. Alarms should be configurable with respective priorities, divided into classes, and color-coded for display. There should be user-defined logging criteria, user-defined acknowledgment and deletion criteria, user-specific textual messages and operator help text. The system should provide for an automatic routing of configured alarm messages as email, Mobile-SMS etc. The routing should be configurable.

Alarm logging, Processing and displays:

Alarms shall also get logged in Alarm and event list. Operator shall be able to request for display of the alarms in chronological order starting from any given time. Provision for sorting of Historic Alarms on various options such as station-wise, tag wise, and in chronological order should be supported. Alarm list should be printable on user's request. Page wise facility for alarm acknowledgement with a single click should also be provided in addition to one by one acknowledgement.

The alarm list shall be of two kinds – current and historic. *Current alarm list* should contain minimum 400 entries. The list will be ordered chronologically. Acknowledgement status of an alarm shall also be indicated in the current alarm list. *Historical alarms list* shall consist of alarms for the last one month.

9. Data Logging and Reports generation

All alarms and events shall be logged by the system. Average values of selected analog parameters may also be stored. The duration of this logging should be settable and Log data should be stored automatically with date (year, month and day) and time (hours and minutes) stamp in a file. The software should be capable of generating different types of reports.

Data collected by the software system should be logged via ODBC into a relational database to support historical reporting and analysis. The system should support multiple SQL compatible databases and/or formats. Configurable logging of points, alarms, and events should be supported without forcing the application developer to understanding database internals. Custom application software must not be required to log data. Configuration of the logging characteristics of a point should automatically configure the database that should store the data. Point and alarm data is to be logged upon a "trigger" event. The following triggers for logging point and alarm data are required.

Point Data Alarm Data

At Time of Day On Generation

On Time Interval On Reset

On Point Update On Acknowledgment

On Event On Deletion

Gated Based on Logical Expression

Point attributes, which should be available for logging, include

- Point Value
- Previous Value
- Raw Value
- Alarm State
- Resource
- Time Last Logged
- Engineering units

10. Events display

Events shall be logged for all commanded and un-commanded changes in equipment status, acknowledgement of alarms, limit violations of analog points, user login and markings done by operator from MMI. The event list shall also be of two kinds – current and historic, same as explained in alarms and similar options for sorting, displaying and printing of event reports shall also be available.

11. Help functions

Help and tutoring guide should be provided for all major functions in the MMI using the HELP option. The help sections will guide the operator for any specific help for carrying out certain tasks.

12. Tabular displays, Current & Historical trends diagrams/graphs

The trending module should be capable of supporting one or more embedded trends within the runtime graphics user interface. The software shall be capable of providing tabular Display of data of a controlled station e.g. equipment status, alarms and measurands. The time versus value plot of measurands in a separate colour including the arithmetic values on the measurands such as multiplication shall be displayed in a trend diagram. The trending shall include both historical trending and dynamic trending of current data. The following types of trends should be supported:

- Trends with Multiple Y Axes
- Trends with Multiple X Axes
- Trends with multiple time periods
- Reference curves
- XY Plots

We hereby confirm and accept to supply of material as per above specifications.

Signature of Tenderer with Official stamps

Date:

Place:

GENERAL PROFILE OF TENDERER

(To be submitted - part – I of the offer)

1	Name & address of the tenderer with contact details.			
2	Name, email id & contact Nos. of Authorized Person dealing with tender			
3	Status of Tenderer i.e. Manufacture/ Authorized Dealer/Bonafide Dealer/any other.			
4	Whether Proprietor/Partnership/Company.			
5	Name of owner/partners Directors with full address.			
6	Annual turnovers in rupees for last three years (in lacs)	2013-14	2012-13	2011-12
7	PAN No.			
8	TIN No.			
9	Service Tax Registration no.			
10	Entrepreneurs Memorandum no. as per MSMED Act 2006			
11	Banker details:			
	a) Name			
	b) Branch No.			
	c) Address			
12	Bank Account No.			
13	Type of A/c:Saving/Current/CC/other			
14	IFSC code			
15	Are you exempted from paying; custom Duty/Excise Duty/Sales Tax, if yes give details.			
16	Any other important information			

Signature of tenderer with official stamp

Date & Place:

**DECLARATION FOR REGISTRATION UNDER MICRO, SMALL & MEDIUM
ENTERPRISES DEVELOPMENT ACT, 2006**

(To be submitted along with part – I of the offer)

1. Whether the tenderer is registered under Micro, Small & Medium Enterprises Development Act, 2006. _____(Yes/NO)
2. If yes, please furnish the declaration given below.

We (Name of Tenderer _____), hereby declare that, our organization is registered under Micro, Small & Medium Enterprises Development Act, 2006 as _____(Micro, Small & Medium) Enterprises, having entrepreneurs Memorandum no. _____ and under category of _____ (Manufacturer/service)

3. Enclose attested copy of registration certificate.

Signature of tenderer with official stamp

Date:

Place:

EXCEPTION & DEVIATIONS

(To be submitted along-with part – I of the offer)

Name of Tenderer _____

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

S. No.	Tender Clause no.	Requirement as per tender clause	Offered condition/ Deviation

Note: In case the tenderer does not mention any information to the deviations in the above format & furnish it blank then it will be presumed that the tenderer is not offering/ putting any deviations to the tender terms & condition.

We confirm that we have not put any other deviations to the tender terms & conditions except to the above.

Signature of tenderer with official stamp

Date:

Place

**UNDERTAKING TOWARDS ACCEPTANCE OF ALL TERMS & CONDITIONS
OF TENDER AND NO CONDITION MENTIONED IN PRICE BID**

(To be submitted - part - I of the offer)

Name of Tenderer _____

- I) We confirm that all the terms & conditions of tender are accepted to us and we will supply the material as per technical specifications of tender.
- II) We hereby undertake that we have not mentioned any condition in the price bid.

Signature of tenderer with official stamp

Date:

Place:

ANNEXURE-VI

DECLARATION OF NON SUSPENSION/NON BANNING

(To be submitted - part - I of the offer)

Name of the Tenderer: _____

We hereby declare that we have not been banned/suspended or de-listed by RSMML in past.

Signature of Tenderer with official stamp

Date:

Place:

ANNEXURE - VII

DECLARATION BY TENDERER

I/We declare that I am/we are manufacturer/authorised dealer/ Importers/ Bonafide dealers in the goods/stores/equipments for which I/We have tendered.

If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/our bid security/security deposit may be forfeited in full and the tender if any to the extent accepted may be cancelled.

Signature of tenderer with official stamp

Date:

Place:

DETAILS OF OFFERED COMMERCIAL TERMS

(To be submitted - part – I of the offer)

Particulars	Offered Terms
Price Basis	For Destination/Ex-Works
Packing & Forwarding Charges	@.....%
Freight & Insurance Charges	@.....%
Excise Duty & CESS	@.....%
CST/VAT	@.....%
Any other taxes/duties/levies	@.....%
Details of Exemption on Duties & Taxes, if any.	
Offered Delivery Period	

Note: In case the tenderer is availing any exemption/concession on ED, CST/VAT etc., details of the same should be clearly provided and the supporting document issued by the respective Government Departments/Agencies should be enclosed.

Signature of tenderer with official stamp

Date:

Place:

Compliance with the Code of Integrity and No Conflict of Interest

(To be submitted - part – I of the offer)

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 behaviour 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 a 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
 - e) The Bidder participates in more than one bid in a bidding process. Participation by a Bidder in more than one bid will result in the disqualification of all bids in which the Bidder is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one bid; 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

(To be submitted - part – I of the offer)

In relation to my/our Bid submitted tofor procurement ofin response to their Notice Inviting Bids No..... datedI/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 the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
5. I/we do not have a conflict of interest as specified in the Act, Rules and the Bidding Document, which materially affects fair competition;

Date:

Signature of bidder

Place:

Name:

Designation:

Address:

Grievance Redress during Procurement Process

(To be submitted - part – I of the offer)

The designation and address of the First Appellate Authority is: Mines Dept, GOR

The designation and address of the Second Appellate Authority is: Finance Dept., GOR

- 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 the 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 the 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 a 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 procurement;
 - 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 the first appeal shall be rupees two thousand five hundred and for second appeal shall be rupees ten thousand, which shall be non-refundable.
 - b) The fee shall be paid in the form of bank demand draft or bankers' cheque of a 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 documents, 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**

(To be submitted - part – I of the offer)

Appeal No..... of

Before the(First /Second Appellate Authority)

1. Particulars 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 (enclose 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:.....

.....

Appellant's signature :

Place:

Date:

Additional Conditions of Contract

(To be submitted - part – I of the offer)

- 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 a total corresponding to the addition or subtraction of sub totals, 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 price 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 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 25% 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, 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.

- 3. Dividing quantities among more than one bidder at the time of award (In case of procurement of goods):** As a general rule all the quantities of the subject matter of procurement shall be procured from the bidder, whose bid is accepted. However, when it is considered that the quantity of the subject matter of procurement to be procured is very large and it may not be in the capacity of the bidder, whose bid is accepted, to deliver the entire quantity or when it is considered that the subject matter of procurement to be procured is of critical and vital nature, in such cases, the quantity may be divided between the bidder, whose bid is accepted and the second lowest bidder or even more bidders in that order, in a fair, transparent and equitable manner at the rates of the bidder, whose bid is accepted.

ANNEXURE-XIII

PART-II (PRICE BID) for NIT No. 38 dated 07.08.2014
Replacement of Existing PLC with latest Technology PLC/PAC System
(To be given in separate sealed cover)

Due date for opening: The due date will be intimated to successful bidders after opening of Part-I i.e. Techno-commercial bid.

Name of the bidder _____

S. No.	Description	Basic Price	Discount	P&F Charges	Excise Duty	VAT/CST	Freight, Insurance	Other Charges, if any	Total Landed Cost at destination
1	Replacement of existing Allen Bradley make PLC (SLC 5/05 Processor + AB 3/10 IOs) installed at LGO Crushing Plant, Jhamarkotra Mines, Udaipur with latest technology PLC/PAC System. Other detailed specifications as per Annexure-A, B, C & D								

1. Please quote the duties and taxes as per applicable rate (on the date of opening of Part I of the offer).
2. Price shall remain firm and fixed during the period of contract except price variation formula.
3. Escalation/de-escalation will be provided /passed on to RSMML, as the case may be in respect of Statutory Duties and Taxes subject to production of documentary proof.
4. If any particular item is not applicable, please write "Not applicable".
5. **You may please indicate item wise price break-up/justification of your quote along with price bid, if required.**
6. Pleaser enclosed separate sheet in given format, if required.

Place& Date

Signature of Tenderer with official stamps