

Part I (Pre –Qualification Part)
NIT (Specific TERMS & CONDITIONS)

- 1) Bidders who are interested in supply are required to submit their offer in TWO PART (**Pre –Qualification ,Technocommercial and Price part**) through <https://etenders.gov.in/eprocure/app> subject to meeting pre qualification criteria and terms & condition of our tender. Bidders who are not meeting the pre-qualification criteria and not confirming all tender terms & condition, their offer will be rejected and their price part shall not be opened. Offer submitted in single part will out rightly be rejected.
- 2) **NOTE:** Bidders should quote through <https://etenders.gov.in/eprocure/app> **Please do not send the offer in Hard copy.**
Pre –Qualification Criteria(PQC):(As per Annexure-3)
(Bidder must submit all the required information as per tender and scan copy of all the required documents in support of PQC ,Tender as well as EMD failing which their offer will liable to be rejected.)
- 3) **TENDER FEE:** Parties who are interested to participate in the tender may do so by depositing **Rs. 1000/-** as tender fee deposited in SBI (any branch) through SBI challan as per format available to UCIL website: www.uraniumcorp.in **OR** by demand draft (DD) drawn on State Bank of India, Jaduguda Branch (Code no. 0227) drawn in favour of URANIUM CORPORATION OF INDIA LTD. Documentary evidence regarding tender document fee submitted through SBI challan/ Demand Draft (DD) i.e. scan copy of the same must be uploaded along with Part-I. Subsequently hard copy of challan/DD should be reached us on or before due date and time in a sealed envelope super scribing “TENDER FEES” tender ref. no & due date without which the offer shall be rejected. Exemption to tender fee will be allowed to company / units registered with MSE /SSI/ NSIC / Director of Industries of State, Cottage Industries approved by the State Authority subject to submission of scan copy of valid documentary evidence. Apart from this Exemption of tender fees will also be applicable as per government guidelines in vogue. Bidders who are not exempted for submission of tender fees ,has to upload scanned copy of tender fees document along with offer and hard copy of the same should be reached us on or before due date and time of tender to the following address :
Dy. General Manager (Purchase), Purchase Dept, Uranium Corporation of India Limited, Po: Jaduguda Mines, East Singhbhum, Jharkhand – 832102.
- 4) **EARNEST MONEY DEPOSIT:**
Offers should be accompanied by an Earnest Money Deposit of **Rs. 69,465/-** (Rupees Sixty nine thousand four hundred sixty five only) failing which the offer shall be rejected. E.M.D. shall be by way of a demand draft /Banker Cheque drawn on State Bank of India, Jaduguda Branch (code No. 0227) drawn in favour of URANIUM CORPORATION OF INDIA LTD. E.M.D. shall not bear any interest.EMD may also be submitted in the Form of Bank Guarantee as per enclosed format. The offers received from tenderers without EMD shall be summarily rejected except where exemption is provided in the tender.

MSE/NSIC/Small Scale Industries (SSI) with current valid registration with state or central govt. shall be exempted from payment of EMD (after ensuring that the registration in case of SSI) pertains to the class of items/stores/works for which the tender is floated. Bidder seeking for EMD exemption shall submit relevant valid documents as per Government guideline for Exemption of EMD. Apart from this Exemption of EMD will also be applicable as per government guidelines in vogue. Bidders who are not exempted for submission of **EMD**, has to upload scanned copy of **EMD** document along with offer and hard copy of the same should be reached us on or before due date and time of tender to the following address :

Dy.General Manager (Purchase), Purchase Dept, Uranium Corporation of India Limited, Po: Jaduguda Mines, East Singhbhum, Jharkhand – 832102.

EMD is liable to be forfeited if:
 - a) The tenderer changes the terms and conditions or prices or withdraw his quotation subsequent to the date of opening.
 - b) The tenderer fails to accept the order when placed or fails to commence supplies/works after accepting the order.
 - c) In case bidder submits false/fabricated documents.
 - d) In case bidder fails to submit security deposit within 30 days of receipt of work/purchase order.
- 5) Bidders shall submit one line confirmation as **Tender acceptance letter** in their letter head duly signed with indication of Tender /Enquiry number and date as following :
”.Specification and All Tender/Enquiry terms & conditions have been agreed by us in totality”. Offer received without Tender acceptance letter is liable to be rejected and price part shall not be opened.
- 6) Bidders who are not registered with UCIL for RTGS payment .They should provide Bank details, Scan copy of Pan Card and GSTIN number (if applicable)& copy of cancelled cheque leaf along with Pre qualification Part.

(ANJANA MAHANTY)
Asst. Purchase Officer

Part I (Technocommercial Part)
NIT (Specific TERMS & CONDITIONS)

- 1) **SCOPE OF TENDER** : Design, Manufacturing, Supply, Erection, testing , commissioning, statutory clearance, including all drawings and statutory documents w.r.t. handing over of 500 KVA, 415 V, 695 Amp or higher, 3 Ph, 50 Hz D.G. Set complete with latest complaint of CPCB IV+ Emission or as per latest directive of Government. The D.G. Set shall comply with all relevant rules and norms as applicable. Detail scope of work as per Annexure-4.
- 2) **FIRM PRICE:** Bidders quoted price shall remain firm during entire execution of the order quantity.
- 3) **PRICE:** Tenderers must submit their price as per our enclosed Price format (BOQ) Part-II failing which offer will liable to be rejected.
- 4) **TENURE OF CONTRACT:** 06 months from the date of Purchase Order for Erection, testing, commissioning, statutory clearance, including all drawings, statutory documents and handing over of DG set in all respect. The contract may further extended on mutual consent.
- 5) **BASIS OF EVALUATION:** Offer submitted by the bidder shall be in two parts. Evaluation of L1 (Lowest) bidder shall be done based on their quoted lowest landed Amount as per price format (BOQ) part-II subject to qualify as per tender terms & conditions. In case of tie or under any other inconclusive situation then UCIL's decision towards award of purchase order will be final and binding upon participated bidders. Bidder should quote their Amount in both figures as well as in words. In case of any discrepancy in figure and words Amount, then Amount written in words will be final.
- 6) Bidders whose name exists in our **dormant list (Adverse Remarks Register)** their offer will not be considered.
- 7) **Price term:** Bidders should submit their offer for supply of materials on F.O.R. destination duly unloading and insured basis at our Jaduguda/Bhatin Stores. No other price term is acceptable. All freight, insurance and unloading charges will be borne by the bidder.
- 8) **Validity:** (i) For Placement of Contract : Bidder's Offer shall be valid for six months from the due date of tender.
(ii) For execution of Contract/Order: Within 6 months from the date of Purchase Order for supply, erection, testing, commissioning, statutory clearance of DG Set and including handing over drawings, statutory documents of DG set in all respect
- 9) **Payment term:**
 - a) 70% payment of value of purchase order will be made within 30 days from the date of receipt and acceptance of material at our store.
 - b) Balance 30% payment of value of purchase order will be made within 30 days from the date of Erection, testing, commissioning, statutory clearance, including all drawings, statutory documents and handing over of DG set in all respect and subject to certification by concerned indenter/Engineer in Charge.
 - c) Indenter shall intimate in writing within seven days after receipt and acceptance of material at our store about site readiness to the successful supplier for erection, testing, commissioning, and statutory clearance of supplied DG set. Details of concern indenter is given below:

Indenter Name: Shri M. K. Kar (Supdt. Elect., Bhatin Mines)
Mobile No. 7761848077
Email id : manojkar@uraniumcorp.in
- Note: In case of change of name of indenter , same will be intimated at the time of issuance of purchase order or subsequent amendment order.
- d) Supply, Erection, testing, commissioning, statutory clearance and handing over all drawings and statutory documents of DG set will be done within tenure of contract of Purchase Order failing which LD will be applicable to supplier, if reason of delay attributable to supplier.
- 11) **Quantity:** Quantity or stores indicated herein is approximate only and purchaser is not bound to order of full quantity and your offer should be valid for part quantity also.

- 12) Sample: Sample, if called for, shall be submitted free of all charges and the same may not be returned to the tenderer.
- 13) **Delivery Schedule:** Within 6 months from the date of Purchase Order for supply, erection, testing, commissioning, statutory clearance, including handing over drawings and statutory documents of DG set in all respect.
- 14) **Freight and Insurance:** To be borne by the supplier.
- 15) Offers must be submitted positively within the due date. Tenders will not be accepted after **11:30 A.M** on the due date of submission of offers.
- 16) **Taxes:** All taxes shall be claimed at actual prevailing at the time of dispatch. Documentary proof shall be submitted.
- 17) Bidder should submit their GSTIN number along with their offer as well as indicate HSN code and SAC code for their quoted materials and services respectively as the case may be.
- 18) Conditional offer will out rightly be rejected. Offer shall be submitted by the bidders online as per our price format (BOQ) only failing which offer is liable to be rejected.
- 19) **LIQUIDATED DAMAGE (LD) :** Liquidated Damages (LD) shall be levied where reasons are attributable to supplier / contractors for delays in execution of purchase order / contract. LD shall be levied @ 0.5% per week or part thereof on the value of unfinished supply /work order for each week of delay subject to a maximum of 5% of the total value of contract (excluding Taxes and Duties)

Note in case of one time supply:

- (a) If Supplier fails to maintain delivery schedule as stipulated in the purchase order but supplied the materials within 10 weeks from the date of delivery schedule and the reason of delay attributable to supplier then payment will be released after deduction of Liquidated Damage (LD) without any order amendment regarding delivery schedule.
 - (b) In case of delay beyond 10 weeks from the date of delivery schedule stipulated in the purchase order and the reason of delay attributable to supplier then payment will be released after deduction of Liquidated Damage (LD) subsequent to issuance of order amendment regarding delivery schedule.
- 20) **SECURITY DEPOSIT (Performance Security) :** Security deposit will be held by the Corporation until successful completion of the order/contract, and will bear no interest.
 - a) Security deposit (SD) shall be uniformly levied @ 3% of contract value towards satisfactory completion of the order.
 - b) SD should be submitted in the form of demand draft / bankers cheque / BG within 30 days of receipt of letter of acceptance or commencement of work at site whichever is earlier to materials department / IEC / OIC.
 - c) Security deposit may be recovered while releasing the first payment to the party in case the same is not deposited by the supplier.
 - d) Supplier/Contractor is also permitted to furnish BG in favour of Uranium Corporation of India Ltd. in the prescribed format towards security deposit.
 - e) Additional amount of SD due to enhancement in scope of work is also to be obtained.
 - f) Security deposit @ 3% of the purchase order value will be kept by UCIL till 24 months from the date of commissioning or 5000 running hours whichever is later as warranty back up. Any warranty obligation will be carried out by supplier in all respect during above said period of warranty backup. SD will be released subsequent to said warranty period after recommendation of concern indenter followed by approval of competent authority.

The SD & retention money shall stand forfeited in favour of UCIL, without any further notice to the contractor in the following circumstance:

 - a. In case of any failure whatsoever on the part of the contractor at any time during performance of his part of the contract including the extended periods of contract, where notice is given and time of rectification allowed.
 - b. If the contractor indulges at any time in any subletting / sub-contracting of any portion of the work without approval of UCIL.
- 21) In case of non adherence of delivery schedule stipulated in the Purchase Order by the supplier and subsequent extension of delivery schedule (as per discretion of UCIL), validity of bank guarantee (if the successful bidder submitted bank guarantee towards SD) towards security deposit will be extended accordingly failing which Bank Guarantee towards SD will be forfeited without any notice to the supplier. This will be binding to the supplier.
- 22) **BANK GUARANTEES (B.Gs)**
 - a) Bank guarantees wherever stipulated should be as per our proforma& issued by an Indian Nationalised bank/ Scheduled Commercial bank.
 - b) They shall be valid for periods as under.
 - i) For Security Deposit: Till satisfactory completion of order. ii) **FOR EMD: Till award of contract.**
 - c) All bank guarantees shall provide for claim period of 6 months after the expiry date.
 - d) If the bank guarantees are furnished with validity periods less than as stipulated above or in the likelihood of the order not being executed within the stipulated delivery schedule, it will be your responsibility to arrange for extension of the validity of BGs as necessary and furnish the same well in advance of the expiry of the bank guarantee failing which we will be at liberty to invoke the bank guarantee.
- 23) **CANCELLATION OF ORDER:** It will be your endeavour to execute the purchase order to our satisfaction. In case of your failure to do so, the order is liable to be cancelled.

- 24) **FORCE MAJEURE:** Force majeure is an event beyond the control of supplier/contractor and not involving the suppliers/contractor's fault or negligence and which is not foreseeable. Such events may include, but are not restricted to acts of the purchaser/contractor either in its sovereign or contractual capacity, wars or revolution, hostility, acts of public enemy, civil commotion, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts and freight embargoes or any other event which UCIL may deem fit to consider so. The decision about force majeure shall rest with UCIL which shall be final and binding. Force Majeure clause has to be compulsorily embedded in the order.
- If there is delay in performance or other failures by the supplier/contractor to perform obligations under its contract due to event of a Force Majeure, the supplier/contractor shall not be held responsible for such delays/failures
- If a Force Majeure situation arises, the supplier/contractor shall promptly notify the purchaser in writing of such conditions and the cause thereof within fifteen days of occurrence of such event. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as reasonable/practical and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period of exceeding sixty days, UCIL may at its option terminate the contract without any financial repercussion on either side.
- 25) **DISPUTE RESOLUTION MECHANISM AND JURISDICTION :**
- i) **CONCILIATION :**
- Notwithstanding anything contained in this contract, any disputes or differences whatsoever, which are to be settled amicably between the parties with their authorized representatives, shall be resolved through conciliation.
- ii) **MEDIATION :**
- Any disputes or differences, which are not settled amicably through conciliation, then either of the parties, may approach for Mediation to settle under Mediation Act, 2023. The procedure is to be followed as prescribed in the Mediation Act, 2023 amended from time to time.
- iii) **AMRCD**
- Any disputes or differences between the parties are not settled amicably with conciliation and/or Mediation, then such disputes or differences shall be resolved through Administrative Mechanism for Resolution of CPSEs Disputes (AMRCD). Any disputes or differences relating to interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs)/Port Trusts, inter-se and also between CPSE(s) and Government Department(s) / Organization(s) shall be taken by either party for its resolution through AMRCD.
- iv) **ARBITRATION :**
- Any disputes or differences where clause no. iii is not applicable, the parties may go for arbitration as per the provisions of Arbitration & Conciliation Act, 1996 provided the disputes is restricted to less than Rs. 10 Cr. (Ten Crores). This amount is with reference to the **value of the dispute** and not the **value of the contract** which may be much higher. In all other cases, arbitration shall not be a method of dispute resolution arising out of this contract.
- v) **JURISDICTION :**
- If the matter is not resolved through above means, the dispute shall be resolved in civil court of law at Jharkhand only.
- 26) Preference will be given to parties as per Govt. guidelines in vogue.
- 27) **PRICE PREFERENCE FOR MICRO & SMALL INDUSTRIES:**
- a. In tender, participating Micro and Small Enterprises quoting price within price band of L1+15 percent shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a Micro and Small Enterprise and such Micro and Small Enterprise shall be allowed to supply at least 25 percent of total tendered value.
- b. In case of more than one such Micro and Small Enterprise, the supply shall be shared proportionately (to tendered quantity)
- 28) Exemption to MSEs and startup will be applicable as per Government Guidelines.
- 29) **MSE (SC/ST):** Supporting documents related to MSE (SC/ST) organization to be submitted along with techno commercial bid.
- 30) **NOTE:** The eligibility be decided strictly based on documents submitted at the time of receipt of tenders. No additional documents be allowed to be submitted after receipt of tenders but there is no bar to seek clarification or authentication of

submitted documents. However in case of poor response, with a view to increase the competition, admission of additional documents to meet the PQC may be allowed subject to the condition that

- a) "Poor response" implies when less than three bids are found suitable on the basis of submitted eligible documents as per NIT.
- b) The additional documents should not be issued subsequent to last date of receipt of tender as mentioned in the NIT.
- c) The bidder submitting additional documents has submitted EMD and tender cost as prescribed in NIT.

- 31) In the event of supply please provide the GST registration details along with invoice and raise the invoice as per the provision of GST Act. Information required under GST are furnished below :-

URANIUM CORPORATION OF INDIA LIMITED

PO – Jaduguda Mines

Distt. - East Singhbhum

JHARKHAND – 832 102

GST NO : 20AAACU2207N1ZO

PAN : AAACU2207N

- 32) PURCHASE PREFERENCES FOR LOCAL SUPPLIER (IN LINE WITH GOI ORDER NO. P-45021/2/2017- PP (BE-II) DATED 16.09.2020)

- 1) In procurement of all goods, services or works in respect of which the Nodal Ministry / Department has communicated that there is sufficient local capacity and local competition, only 'Class-I local supplier', as defined under the Order, shall be eligible to bid irrespective of purchase value.
- 2) Only 'Class-I local supplier' and 'Class-II local supplier' as defined under the order shall be eligible to bid in procurements undertaken by procuring entities, except when Global tender enquiry has been issued. In global tender enquiry's Non-local suppliers shall also be eligible to bid along with class-I local suppliers and Class –II local suppliers in procurement of all goods, services or works not covered under above clause (1).

Purchase preference in the procurements of goods or works, which are covered under clause (2) above and which are divisible in nature.

- i) Among the qualified bids, the lowest bid will be termed as L1, if L1 is Class-I local supplier, the contract for full quantity will be awarded to L1
- ii) If L1 bid is not a class –I local supplier, 50% of the order quantity shall be awarded to L1. Thereafter, the lowest bidder among the class-I local supplier will be invited to match the L1 price for the remaining 50% quantity subject to the class-I local suppliers quoted price falling within the margin of purchase preference, and contract for that quantity shall be awarded to such class-I local supplier subject to matching L1 price. In case such lowest eligible Class-I local supplier fails to match the L1 price or accepts less than the offered quantity, the next higher class-I local supplier within the margin of purchase preference shall be invited to match the L1 price for remaining quantity and so on, and contract shall be awarded accordingly. In case more quantity is still left uncovered on class-I local suppliers, then such balance quantity may also be ordered on the L1 Bidder.

Purchase preference in the procurements of goods or works, which are covered under clause (2) above and which are Non - divisible in nature.

- i) Where the bid is evaluated on price alone, the class-I local supplier shall get purchase preference over class-II local supplier as well as Non-Local supplier.
- ii) Among the qualified bids, the lowest bid will be termed as L1, if L1 is Class-I local supplier, the contract will be awarded to L1.
- iii) If L1 is not class-I local supplier, the lowest bidder among the class-I local supplier, will be invited to match the L1 price subject to class-I local supplier's quoted price falling within the margin of purchase preference, and the contract shall be awarded to such Class-I local supplier subject to matching the L1- Price.
- iv) In case such lowest eligible Class-I local supplier fails to match the L1 price, the Class-I local supplier with the next higher bid within the margin of purchase preference shall be invited to match the L1 price and so on, and contract shall be awarded accordingly. In case none of the class-I local supplier within the margin of purchase preference matches the L1 price; the contract may be awarded to the L1 bidder.
- v) Class-II local supplier will not get purchase preference in any procurement, undertaken by procuring entities.

Applicability in tenders where contract is to be awarded to multiple bidders :

- i) In tenders where contract is awarded to multiple bidders subject to matching of L1 rates or otherwise, the class-I local supplier shall get purchase preference over class-II local supplier as well as non-local supplier as per following procedure.
- ii) In case there is sufficient local capacity and competition for the item to be procured, as notified by the nodal ministry, only class-I local suppliers shall be eligible to bid. As, such the multiple suppliers, who would be awarded the contract, should be all and only class-I local suppliers.

iii) In other cases, 'Class II local suppliers' and 'Non local suppliers' may also participate in the bidding process along with 'Class I Local suppliers' as per provisions of this Order.

a) If 'Class I Local suppliers' qualify for award of contract for at least 50% of the tendered quantity in any tender, the contract may be awarded to all the qualified bidders as per award criteria stipulated in the bid documents. However, in case 'Class I Local suppliers' do not qualify for award of contract for at least 50% of the tendered quantity, purchase preference should be given to the 'Class II local supplier' over 'Class I local suppliers' / 'Non local suppliers' provided that their quoted rate falls within 20% margin of purchase preference of the highest quoted bidder considered for award of contract so as to ensure that the 'Class I Local suppliers' taken in totality are considered for award of contract for at least 50% of the tendered quantity.

b) First purchase preference has to be given to the lowest quoting 'Class-I local supplier', whose quoted rates fall within 20% margin of purchase preference, subject to its meeting the prescribed criteria for award of contract as also the constraint of maximum quantity that can be sourced from any single supplier. If the lowest quoting 'Class-I local supplier', does not qualify for purchase preference because of aforesaid constraints or does not accept the offered quantity, an opportunity may be given to next higher 'Class-I local supplier', falling within 20% margin of purchase preference, and so on.

Definitions, margin of preference and all other terms as per Ministry of Commerce and Industry, Department of promotion of Industry and Internal trade (Public procurement section) office order No. P-45021/2/2017-PP (BE-II) dated 16/09/2020.

Note: False declarations regarding Class I/Class II status will be considered as breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

- 33) Preference under make in India shall be given to class I Local supplier as defined in public procurement (preference to make in India) order 2017 as amended from time to time and its subsequent orders/notifications issued by concerned nodal ministry for specified goods/products. The minimum local content to qualify as a class I local supplier is 50% and above. If the bidder wants to avail the purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of location at which the local value addition is made along with their bid, failing which no purchase preference shall be granted.
- 34) In case of the 'Class-I local supplier' / 'Class-II local supplier', bidder shall indicate percentage of local content and Provide self-certification that the item offered meets the local content requirement for 'Class-I local supplier' / 'Class-II local supplier', as the case may be.
- 35) Bidder should submit duly filled and signed Pre Contract Integrity Pact as per enclosed format.
- 36) Subsequent to bid opening, if it is found that bids submitted by related parties in which there seems to be collusion are liable to be rejected. Parties are considered to be related if one party has ability to control the other party or exercise significant influence over the other party in making financial and / or operating decision.
- 37) Bidder has to explicitly indicate the incidence of all taxes, duties, levies, etc that are applicable on his quoted prices/ rates. The bidder shall not indicate the same as "extra" or "extra as applicable".
- 38) Bidder whose Tender is not accepted shall not be entitled to claim any costs, charges, expenses of and incidental to or incurred by him through or in connection with his submission of Tender, even though UCIL may elect to withdraw the Invitation to tender.
- 39) UCIL reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of the contract without thereby incurring any liability to the affected bidder or bidders or any obligations to inform the affected bidder or bidders of the ground for UCIL's action.
- 40) Supplier shall ensure that all the items supplied shall be new. UCIL reserves the right to reject goods which are not as per specification and also if items are supplied in breach of the terms & conditions stipulated. In case of rejection, supplier shall replace the rejected item free of cost or refund the amount paid (if any) against the rejected item. In case rejected items are not replaced by Supplier within one week from the date of rejection, a credit note should be issued for the value of items rejected, for adjustment. UCIL shall be entitled to recover from the supplier, all costs incurred by UCIL in respect of the rejected goods. Rejected goods will be lying at the UCIL's store at the supplier's risk and shall be removed by the supplier at their own cost immediately on receipt of instruction from UCIL. UCIL shall not be held responsible for any loss on account of deterioration etc. of the rejected goods. If rejected goods are not removed by the supplier, UCIL may charge penal rent and dispose off the goods as deemed.
- 41) PUC Certificate, if applicable, should be submitted along with supply of material.

Ref. : Tender no. PUR / 1 / 06 / 0797 / 1245

Date : 30.03.2026

- 42) Other Terms & conditions as in "Instructions to Tenderers & General conditions of contract" (enclosed) shall also apply. However in case of any contradiction between above terms & conditions and General conditions of contract then above terms & conditions shall prevail.

43) For Information to ALL MSME Venders :-

As per Government guideline, It is mandatory for all CPSE, MSME Vendors to register themselves on TReDS Portal. Details of contact persons, Phone No., Email Id is given below for TReDS registration.

Mr. Binay Kumar Mishra, Service RM, Business Development : Mobile No. 9199545258

Email id – binay1.mishra@invoicemart.com

All MSME vendors may avail the facilities of TReDS platform and settle their bills through TReDS.

- 44) For Correspondence Email id : jadpur1@uraniumcorp.in

(ANJANA MAHANTY)
Asst. Purchase Officer

Pre-Qualification Criteria :

01. The bidder must have supplied, installed & commissioned DG Set of rating, 500 KVA, 415V, 695AMP, 3 Ph, 50 Hz (or above rating) in any organization in any one of the last 07 (Seven) years or in current (within due date of enquiry) financial year. As a supporting document the bidder must submit the copies of Purchase order/work order/Contract copy along with completion certificate for the same with the offer.
02. The bidder's average annual turnover during last 03 financial years i.e. 2022-23, 2023-2024 and 2024-2025, ending 31st March, should be at least Rs. 20,83,955/-. Audited balance sheet and profit and loss account must be submitted by the bidder in support of above.

(ANJANA MAHANTY)
Asst. Purchase Officer

500 KVA L.T OF D.G.SET TECHNICAL SPECIFICATION

SCOPE OF WORK.

Design, Manufacturing ,Supply, Erection, testing , commissioning, statutory clearance, including all drawings and statutory documents wrt handing over of 500 KVA, 415 V, 695 Amp or higher , 3Ph, 50 Hz D.G. Set complete with latest complaint of CPCB IV + Emission or as per latest directive of Government.

- The D.G. Set shall comply with all relevant current statutory and norms as applicable.
- Transportation & unloading of D.G.Set at our Jadugoda store site shall be in the bidders scope.
- Supplier / OEM must ensure to buyer for provide best and largest customer support network in specific Eastern zone of India in related to provide maintenance service at Jaduguda (Bhatin Mines), Jamshedpur, Jharkhand-832102 and capable of providing the round-the-clock service and spares support as desired by buyer.

NOTE: The entire work shall be carried out at Bhatin Mines premises and all the relevant rules pertaining to the Regulatory Authorities shall be applicable. Obtaining necessary clearance from statutory authorities for commissioning and operation of DG set lies in the bidder's scope. All documents required for obtaining statutory clearances shall be prepared by the bidder (Only statutory fees will be paid by UCIL if applicable). Price implication for this statutory clearance shall be included in the offer.

DESIGN

The entire design of the D.G. Set shall include Acoustic Housing, Control Panel, cooling system, exhaust system, etc. DG set shall be designed for continuous operation considering 50 degree Celsius ambient temperature. This DG set shall be primarily used for mining operations with mine winder, ventilation fans, pumping operations etc.

NOTE: The building for the D.G. Set shall be in the scope of the UCIL Scope. However foundation details shall be provided by the bidder after placement of order.

SUPPLY DETAILS OF THE D.G.SET

The D.G. Set shall comprise of diesel engine coupled to an alternator, mounted on a suitable base frame, and shall be complete with battery, battery charger (static plus engine operated), cooling system, **850L** rated fuel tank, exhaust system, control panel, and all required accessories for smooth and trouble-free operation.

NOTE: The supply of pipes for the connections of the D.G. Set to the fuel tank is in the scope of the bidder. The D.G. Sets shall be rated for giving continuous output at rated capacity with minimum 10% overloading for at least one hour in every ten to eleven hours without any voltage and frequency droop or any detrimental effect to the equipment.

| Technical Data | |
|--|--------------------|
| Generator Set Specification | |
| Model | Reputed Make |
| Duty | Prime |
| Power Rating KVA | 500 |
| No. of Phases | 3 Phase |
| Output Voltage and Frequency (V and Hz) | 415 V, 50 Hz |
| Power Factor | 0.8 |
| Continuous Current (A). | 695 Amp or higher. |

| | |
|---|--|
| RPM | 1500 |
| Alternator Specification | |
| Make | Reputed Make. |
| No. of Phases, Voltage rating & Power factor | 3 Phase, 415 Volt & Not less than 0.8 |
| Type | Brushless |
| Efficiency at rated Power factor at 75% of full Load | 95.0 %-100.0 % |
| Conformity to Indian Standard (for Alternator) | Generally conforming to IS:13364 or latest for 500 KVA. |
| Alternator IP rating (Enclosure) | IP 23 |
| RPM | 1500 |
| Voltage regulation grade | VG 3 or higher. |
| Voltage regulation (Max.) | + - 1% |
| Class of Insulation | H Class |
| Winding Pitch | 2/ 3 |
| Stator Winding | Double layer concentric. |
| Rotor | Dynamically Balanced. |
| Waveform distortion / Total Harmonic Distortion | No load < 1.5%, Non distorting balanced linear load < 5% |
| Maximum Unbalanced load across phases | less than or equal to 25% |
| Telephonic Harmonic factor | <2% |
| Salient features of Alternators | Resistance Temperature detectors (RTD), Bearing Temperature Detectors (BTD), Space heater etc. |
| Alternator <ul style="list-style-type: none"> ➤ Brushless Type, Screen protected, Revolving field, Self-excited alternator conforming to IS/IEC 60034-1 Better motor. ➤ Starting capability. ➤ Best in class efficiency. ➤ Compact design with sealed bearings for longer life and lesser maintenance. ➤ Impregnation on all wound components for better mechanical strength. ➤ The terminal box shall be self supporting type suitable for entry, termination and connection of 04 nos. of 3.5 core, 185 sq.mm. 415 volts round steel wire armoured stranded Aluminium conductor cables . ➤ Alternator shall be suitable for continuous operation at 1500 RPM generating 415 volt, 695Amp or higher, 50Hz, 3 Phase system. Alternator shall be suitably equipped with protection system. ➤ The bidder shall furnish the manual of the alternator along with offer. ➤ Any other items specifically not mentioned but required for supply and commissioning of DG set, shall be deemed to have been included in the scope of bidder. | |
| Control Panel (AMF Control Panel) <p>Control panel is powder coated for weather-proof and long-lasting finish. The control panel consists of the following parts:</p> <ul style="list-style-type: none"> • PS0602 Controller or equivalent. • Bus bars with suitable capacity with incoming/outgoing terminals. • Indicating lamps for Load ON' and 'Set Running Instrument fuses duly wired and ferruled: Low Lube oil pressure, High water/coolant/cylinder head temperature, Low fuel level, Over speed. | |

- Audio Alarm: Low Lube oil pressure, High water/coolant/cylinder head temperature, Low fuel level, Over speed.
- AC/DC separation inside control panel for safety.
- Display meters in the control panel (with appropriate rating and accuracy class): Voltmeter, Ammeter, Frequency meter, Power Factor meter, Multifunctional Digital display meter (displaying Voltage, Current, Frequency, Power Factor)
- Other devices in the control panel (with appropriate rating): Required switches and cut out, MCB, MCCB, ACB, Contactor. Circuit breaker, Battery charger, remote monitoring over internet with GSM modem.
- Battery charger: The battery charger shall be over and above any charging system provided with the engine; the purpose of this charger shall be to keep the batteries charged with the engine in idle condition and also to provide any control voltage requirement with the D.G. Set idle. Suitable interlocks for the two types of charging system shall be incorporated in the control system.
- Displayed parameters / Features: Engine Speed. Lube oil pressure, Coolant/cylinder head Temperature, Engine running hours, Engine battery voltage, Engine Running status, Generator Voltage (Ph-Ph), Generator Voltage (Ph-N), Generator Current (R, Y, B), Generator apparent Power (KVA). Generator active Power (kW), Power factor, Frequency. Fuel level, Event log, Control supply Voltage. Temperature scanner (RTD,BTD).

The Integrated control panel of DG set shall provide minimum following protections:

For Alternator protection:

MCCB / ACB of suitable rating (Suitable current rating capacity or 1000Amp) with short circuit, Over current, High Voltage, Low voltage, under / over frequency, reverse power, phase sequence, Earth fault & Earth leakage relay (0.1 to 1.0Amp) etc.

For Engine protection:

Over Speed Shutdown, Low Lube Oil Pressure Warning /Shutdown, High Coolant Temperature Warning / Shutdown, Low Coolant Temperature Warning, Low Coolant Level Warning / Shut Down, Over Crank Shutdown, Fail To Crank Shutdown etc.

Controller of reputed make have minimum following features:

- PS0602 Controller/ reputed make is a microprocessor based generator set monitoring, metering and control system with LCD display designed to meet the demands of today's engine driven generator set.
- AMF Functionality.
- Electronic Governing.
- CAN (J1939) Compatible.
- Sync Compatible (Capable to accept external speed signal from 3rd party sync controller).
- Intuitive operator interface which includes LED backlit 128X64 pixel graphic display with tactile feel soft-switches & generator set status LED lamps.
- Remote start-stop.
- Audible & Visual warning for Inducement.
- Suitable for FAE based engine architecture.
- Engine Metering: Oil pressure, Engine temperature, Starting battery voltage, Engine running hours.
- AC Alternator Metering: L-L. Voltage and L-N Voltage. Current (phase and total), kVA (phase and total) and Frequency, kwh, Total & per phase (kw & kVA), PF. Utility Voltage and Freq.
- Engine Protection: Low lube oil pressure, High/Low coolant temperature, Battery High/Low/Weak Volts, Fail to Crank/Start. Sensor failure, Cranking lockout, Low fuel level.
- AC Alternator Protection: Over/Under Voltage, Over/Under Frequency, Loss of AC sensing. Over

| speed, Over Current. KW Overload. ➤ Data Logging Engine hours, Control hours and up to 5 recent fault codes. ➤ Configurable glow plug control. ➤ 12/24 Volt DC operation. ➤ Sleep mode. ➤ Modbus interface (RS485 RTU). ➤ In Power compatible (PC based service tool). ➤ Certifications meet the requirement of relevant ISO, EN, Mil Std. and CE standards. ➤ Maintenance due alarm based on Engine Run Time and due date. ➤ Fuel and DEF level visual display. | |
|---|--|
| Engine Specification | |
| Make | Reputed Make |
| BHP | Suitable for 500 KVA DG set or higher side at 1500 RPM considering ambient temperature of 50 degree Celsius and normal pressure of our site. |
| Required Power for Rated KVA (HP) | Equivalent or higher side for 500 KVA DG Set. 100% of the required powered at STP (Standard Temperature Pressure) i.e equal to (Nominal Rated Capacity (KVA) of power generator + Any Auxiliary power Consumption by the Power generator) x Power factor (0.8) / Alternator efficiency or higher. |
| Cooling | Liquid Cooled (EG Compleat 50:50) |
| DEF | AUS 32 (Premix) as per ISO 22241 |
| Aspiration | Turbocharged, Charge Air Cooled |
| Type of Governor | Electronic or higher. |
| Rated RPM of Engine | 1500 |
| No. of cylinders | 6, In- line |
| Bore(mm) × Stroke(mm) | 135 × 169 |
| Compression ratio | 23:1 |
| Displacement (litre) | 14.5 |
| Fuel | High Speed Diesel |
| Performance class of generator set | ISO 8528-5 G2 |
| Starting system | 24 V DC Electrical |
| Lube oil Specification | CK4 |
| Lube oil sump capacity, High- Low level (litre) | 50-35 |
| Total lubrication system capacity (litre) | 52 |
| Total coolant capacity (litre) | 67 |
| Exhaust pipe size (inch) | 6 |
| Total wet weight (Engine + Radiator)* (kg), Approx. | 1460 or actual. |
| Lenght X Width X Height (Coolpac) (mm) | 2400 X 1540 X 1716 |
| Mean Piston Speed (m/s) | 8.45 |
| Combustion air intake @100% load (+-5%) (cfm) | 980 |
| Exhaust Temperature (°C) | 556 |

| | |
|----------------------------|---|
| Salient Features of Engine | Turbo Charged Engine, Naturally aspirated engine, Direct injection Fuel System, CRDi Fuel System, cold start upto (-20 deg c), No derating applicable upto 4500 above MSL of altitude at 25 degree celcius, Indirect injection (IDI) Fuel System, Ambient working temperature up to 55 degree celcius. |
|----------------------------|---|

Engine

- Reputed make, 6 cylinder, In-line 4 stroke, radiator cooled engine. Robust and efficient air handling system with
 - Dry type and replaceable paper element air cleaner with restriction indicator.
 - Optimized turbocharger for increased altitude capabilities.
- Optimized fuel consumption with common rail electronic Injection.
- Spin on single fuel filter with water separator.
- Cooling system is designed and tested for 50°C ambient conditions
- Full flow spin on lube oil filter
- First fill of lube oil and coolant
- Electrical starter motor with soft start engagement feature
- Battery charging alternator
- 2x 12 V DC battery.

Governing Class:

| | |
|--|---------------|
| Class of governer | A2 or better. |
| Maximum Change of Speed as a Percentage of Rated Speed on suddenly taking-off the rated load(Transient)" | 15 |
| "Maximum Recovery Time in Seconds on suddenly taking-off the rated load(Transient) | 15.0 (second) |
| Maximum Change of Speed as a Percentage of Rated Speed on suddenly taking-off the rated load(Permanent) | 5 |
| "Maximum Change of Speed as a Percentage of Rated Speed On a change of load, both on and off, by all steps of 25 percent of the rated load (Transient)" | 4 |
| "Maximum Recovery Time in Seconds on a change of load, both on and off, by all steps of 25 percent of the rated load(Transient)" | 5.0 (second) |
| "Maximum Change of Speed as 1.5 a Percentage of Rated Speed On a change of load, both on and off, by all steps of 25 percent of the rated load (Permanent) | 1.5 |

Acoustic Enclosure

| | |
|------------------------------------|---|
| Acoustic Enclosure | Power generator supply with Acoustic Enclosure. |
| Sheet Thickness(mm) | 1.6, 1.8, 2 Or higher |
| Thickness of insulation | 75.0-120.0 Or higher (millimeter) |
| Density of insulation (kg/cubic m) | 64.0-100.0 Or higher |
| Noise level at 1 meter (dB) | 75 |

Fuel Tank

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| Fuel Tank Capacity | 850.0 (litre) |
| Number of Fuel tank | 1 |
| Fuel Tank Sheet Material Thickness(mm) | 2, 3 Or higher |
| Fuel Tank Features | Fuel Tank capacity is sufficient for 8 hrs of running at full load, NA for 850 litre. |

Battery

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|------------------------------|--|
| Battery Type & Specification | Normal lead acid to IS: 7372 for motor vehicles or latest model. |
| Battery capacity (Ah) | 180 |
| No of batteries | 2 |

Salient Features

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| Salient Features of Power Generator | Glass window on Acoustic Enclosure in front of the Control Panel, Emergency Stop outside the Acoustic Enclosure. |
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Trailer

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| Trailer | NA for Fixed/Skid Mounted Power Generator. |
| Pay load of the Trailer | 0, 500, 1000, 2000 Or higher (kilogram) |
| Number of Axlels | 0 |
| Number of wheels | 'NA' for without trailer |
| Wheel Tyre size | 0.0 (inch) |
| Brakes | NA for Fixed/Skid Mounted Power Generator, Hydraulic, Electrical Or higher |
| Trailer Complying to CMVR act and Regulation | NA for Fixed/Skid Mounted Power Generator. |
| Salient Features of trailer | suitable Mounting jack, suitable reflectors, suitable parking brakes, suitable earthing spikes, NA |

NGR: NGR and its accessories as per suppliers design. NGR is provided with suitable arrangement shall be provided for connection between DG set to NGR with suitable insulated round wire armoured aluminium conductor cables.

Earthing : All required earthing (individual double earthlings) of the equipments shall be in the scope of supplier including supply, laying and connection of GI / copper strip 50 x 6 mm (minimum size) to our earthing grid at a distance of 35 meters from the equipments .

Lightening arrester: Lightening arrestor for exhaust system shall be in the scope of supplier including supply, laying and connection of GI / copper strip 50 x 6 mm (minimum size).

Scope of installation

| | |
|--|---|
| Scope of installation for Diesel Generating Set when offered by the vendor-inclusive in the scope of | a) Installation of Power Generator when offered by the vendor is inclusive in the scope of supply and shall be done by the seller. The installation work of Power Generator and its |
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| supply. | constituent parts shall be generally conforming to CPWD General Specification for Electrical Works. b) Foundation shall be constructed by the seller. Foundation shall be of PCC type with the ratio of 4:2:1. The length and breadth of the foundation shall be 300 mm more from the respective length and breadth of the Power Generator. The height of the foundation shall be 400 mm, i.e., 200 mm below and 200 mm above the ground level. All the materials/labour required for foundation work shall be supplied by the seller. |
| Scope of installation for Diesel Generating Set when offered by the vendor-inclusive in the scope of supply. | Supply, laying and termination of interconnecting power and control cable shall be done by the seller. The cable supplied shall be ISI marked heavy duty PVC insulated, armoured cable, with PVC outer Sheath of Type ST-2 (FR Grade, Category C1), with aluminium conductor having insulation of PVC compound type-C, suitable for rated voltage upto and including 1100 volts and conforming to IS: 1554 (Part-1) latest. For 3-Phase Power Generators, 3.5 core or higher core cables shall be used. Total length of the cable supplied by the seller shall be within 30 meters for each Power Generator with manual control panel and within 60 metres for each Power Generator with AMF control panel. |
| Scope of installation for Diesel Generating Set when offered by the vendor-inclusive in the scope of supply. | 500, 600 & 750 KVA 3.5C, 6 Run of 240 Sq mm for Three Phase. |
| Scope of installation for Diesel Generating Set when offered by the vendor-inclusive in the scope of supply. | Construction of suitable earthing station and necessary connections shall be done by the seller. All the materials/labour required for construction of earthing station shall be supplied by the seller. The total number of earthing pits/stations shall be 4, i.e., 2 for neutral and 2 for body-earthing. Netutral earthing shall be done with copper Plate and Body earthing shall be done with G.I. plate / Copper. The consignee should choose installation site in such a way that the earthing stations can be made within 10 metres of the Power Generator. Earthing station shall be typically constructed as per prevalent standard practices and shall be generally conforming to CPWD General specification for Electrical Works. Installation of Fuel Tank including foundation /stand shall be done by the seller. The warranty is applicable upto specified value of month/hours whichever occurs first's. |
| Above Scope of installation for diesel Generating Set when offered by the vendor has been seen, read, understood and agreed to comply. | Yes |

Test Reports

| | |
|--|---|
| Type of lab which carried out Test of Complete Product to prove the conformity of product as per specification. | Certificates required as per CPCB, Govt Lab, NABL accredited lab etc. |
| Test report Available for (Test/approval) | Type Approval Certificate for the specified rating of the Power Generator from any of the designated agency authorized by CPCB, COP Certificate for engine, Type test report and Endurance test report for Engine as per IS: 10001 latest/IS: 10002 latest. Type test report for Alternator as per IS:13364 latest to prove conformity to the specifications. |
| Agree to provide all relevant documents Test Report/supporting document /reports etc to the buyer at the time of bidding or on demand. | YES |

Warranty / Service

Warranty on Complete power generator / DG Set to be treated as 24 months or 5000 running hours, whichever is later.

For running hour of DG set : DG running hour information to be recorded from DG running hour meter or Log Book.

Number of preventive maintenance visits offered in an year during warranty period (Supply of all consumables is the buyer's responsibility) : 1 or higher

Environment Friendly Power

- Class defining and technologically advanced engine to meet stringent exhaust emission norm as per the latest MoEF notification.
- The Cummins diesel generator sets are available with the lowest noise levels in its range.

Single Source Power Assurance

- All the major components the engine, alternator, aftertreatment system, control system and canopy are designed, manufactured and tested by Reputed make.
- Best and largest customer support network an India, capable of providing round-the-clock service and spares support.
- Impregnation on all wound components for better mechanical strength.

EATS

- Switch Back architecture Emission Solutions.
- Compact design enabling optimized genset size.
- Integrated control module for engine and EATS.
- Best in class proven technology for meeting stringent emission norms.

Silencer

- Hospital Grade Silencer inside canopy with rain cap suitably optimized to meet stringent noise

limit.

- Silencer specifically tuned to EATS

Mounting Arrangement

- Engine and alternator are mounted on a common MS fabricated base frame with AVM pads.
- Skid mounted radiator.
- Base frame with integral fuel tank and DEF tank is provided with drain plug, air vent, inlet and outlet connection and provision for cleaning.

Optional

- Engine: Heated Architecture & HD Air cleaner.
- Alternator: PMG and Space Heater.
- EATS: Heated Architecture.

