

URANIUM CORPORATION OF INDIA LTD.
(A Government of India Enterprise)
JADUGUDA MINES, DIST:- SINGHBHUM EAST,
JHARKHAND- 832102

TENDER DOCUMENT

FOR

Annual rate contract for miscellaneous mechanical
maintenance jobs in crushing, grinding and dewatering
plant in Mill Division (2014-2015)

URANIUM CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)
PO-JADUGUDA MINES, DISTT-SINGHBHUM (EAST),
JHARKHAND - 832 102.

TENDER DOCUMENT

FOR

Annual rate contract for miscellaneous mechanical maintenance jobs in
crushing, grinding and dewatering plant in Mill Division (2014-2015)

1. To be submitted on or before 12.00 Noon on 15/11/2014 in the office of G.M. (Pers.) IRs.
2. Tenders shall be opened in presence of tenderers who may present at 3.30 PM on 15/11/2014 in the office of G.M. (Pers.) IRs.

Issued to M/s. _____
(Contractor)

Signature of officer issuing
the tender document : _____

Designation : _____

Date : _____

URANIUM CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)
P.O.: Jaduguda Mines, Dist: East Singhbhum,
Jharkhand-832102

CIN : U 12000 JH1967 GOI 000806

Ref: UCIL/Mill/217/693/2014

10th October, 2014

NOTICE INVITING TENDER

Sealed items rate tender is invited from bonafide resourceful, reliable, experienced and reputed contractor for the execution of following work at Mill Division of Jaduguda.

Sl. No	Name of the work	Earnest Money Deposit (Rs.)	Cost of Tender Document (Rs.)	Completion Time
1.	Annual rate contract for miscellaneous mechanical maintenance jobs in crushing, grinding and dewatering plant in Mill Division (2014-2015)	45,000/-	1000/-	12 Months

1. Date of sale of tender document from **15/10/2014 to 14/11/2014**.
2. The tender document for the above tender shall also be available in UCIL website (www.ucil.gov.in) from where the tenderer may download the tender document, in which case, they will have to submit the cost of tender document along with bid document.
3. Last date & time of submission of filled tender document in the office of G.M.(Pers.) IRs. Jaduguda upto 12.00 Noon of **15/11/2014**.
4. Date & time of tender opening (only technical part) at 3.30 PM on **15/11/2014**.
5. The validity of above work of contract should be 12 months with spill over of 3 months.
6. Pre-qualification criteria: The bidder should have experience of having successfully completed the similar job such as installation, erection, dismantling of steel structures / equipments, conveyor belt replacement and changing of mill liners in various plants having annual contract during last 3 years ending on 31.12.2013 as at (a) or (b) below :
 - a) One similar completed work of maintenance costing not less than 20.00 lakhs.
 - b) Two similar completed works of maintenance costing not less than 10.00 lakhs each.

This is a Public Tender, two parts – Full details, terms & conditions & other specification of work will be available in the tender document, which can be obtained from the office of the G.M. (Pers.) IRs., Jaduguda on payment of cost of tender document (non-refundable) in cash on all working days except Sunday & Holiday between 9.30 AM to 11.30 AM & 2.30 PM to 4.30 PM from **15/10/2014 to 14/11/2014** on written request letter.

Tenders without Service Tax registration, PAN No., TIN No., EPF A/C No. will be summarily rejected.

For Chairman and Managing Director
Uranium Corporation of India Limited

Distribution (Notice Boards) :-

S.O. (Mill) / Civil (Mill / Mines) /T.O.(Mill /Mines)/Old Admn. Bldg./ Estate Office /Narwapahar / Bagjata / Turamdih / Bhatin Mines / Relevant Subject File & Folder / File no.-501

D.G.M. (Accounts) W

G.M.(Pers.) Irs.

Gen. Admn.

Engineer-Incharge

Chief Supdt. (Mill)& & HOD

} For information and please depute your representative during tender opening

URANIUM CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)
PO- JADUGUDA MINES, DIST.-SINGHBHUM (EAST),
JHARKHAND – 832102

(I N D E X)

I	GENERAL CONDITIONS OF CONTRACT
II	SPECIAL CONDITIONS OF CONTRACT
III	SCOPE OF WORK
IV	CONTRACT LABOUR EMPLOYMENT ACT & RULES (ANNEXURE-A)
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VII	SCHEDULE OF ITEM(S) AND RATE(S) (To be submitted in triplicate)

(GENERAL CONDITIONS OF CONTRACT)
Mill Division

1. Working Hours :-
From 7.00 A.M. to 5.00 P.M. on all working day(s) (excluding Sunday & Holidays). However, contractor shall be allowed to work beyond 5.00 P.M. or round the clock on working days or on Sunday & holidays depending upon the urgency but only after obtaining permission from the Engineer-Incharge, UCIL. For this contractor shall submit a letter in duplicate for permission to work beyond normal working hours. No extra claims shall be entertained for working beyond normal duty hours in such urgency.
2. Commencement of work :-
Work will commence within 2 (two) weeks from the date of issue of work order. Contractor will report to the Engineer Incharge, UCIL immediately on receipt of work order for further instructions for carrying out the job. A letter duly signed under contractor's official seal as a token of acceptance of all terms & conditions of work order must reach in the office within 2 (two) days of receipt of the order. Contractor shall submit work commencement letter in duplicate to the Engineer Incharge -UCIL within 2 (two) days of start of work at site as statutory requirement for onward transmission to the competent authority, Govt. of India, Ministry of Labour, Jharkhand. The work order no. & date as well as name of work must be quoted in all correspondences.
3. Completion period of contract :-
Period of contract will be applicable as mentioned in the N.I.T. / Enquiry Letter, special conditions of contract, scope of work, etc. of contract document (Date of commencement will be reckoned from the date of start of work at site).
4. Payment :-
Bill (s) will be paid as mentioned in clause "Payment Terms" of the special conditions of contract, scope of work etc. of contract document. Payment will be released after satisfactory completion of the work in all respect and certification by the Engineer Incharge, UCIL within 30 days of submission of clear bill(s) in 4 (Four) copies in tenderer's letter head. Contractor shall also mention work order no., date as well as name of work and actual date of commencement of work in their every bill (s). Final bill will be released only after submission of Labour Report / Annual Return (in prescribed format) (in the month of January & after completion of whole work) and work completion letter in duplicate by the contractor.
5. Earnest Money Deposit / Security Money Deposit :-
Earnest Money or Security Money shall be deposited by way of demand draft drawn in favour of "URANIUM CORPORATION OF INDIA LIMITED" payable at Jaduguda Branch of State Bank of India [Jaduguda Branch Code no 0227] or in cash in Accounts Department, UCIL, if applicable. Tenders received without E.M.D. will be summarily rejected. Earnest Money Deposit shall be converted and adjusted into Security Deposit in the case of successful tenderer. Security Money shall be deposited by the contractor (as mentioned in special conditions of contract) before commencement of work at site. E.M.D. and S.D. shall not bear any interest. The earnest money of unsuccessful tenderers will be refunded on written request (in duplicate) to the Engineer In-charge after commencement of work under this contract. Security Deposit will be refunded on written request in duplicate to the Engineer In-charge after satisfactory completion of the work or defect liability/guarantee period as applicable. Failure to carry out the awarded work shall entail forfeiture of the earnest money and security money entirely.

6. Insurance :-
The contractor shall ensure & maintain insurance against his liability for accident or injury to workmen or machineries used for the work and shall submit 2 (two) copies of the policy & receipt (s) of premiums paid or satisfactory evidence of insurance coverage at their own cost valid for whole contract period at a time for all the persons to be engaged to the Engineer In-charge, UCIL before the commencement of work. Contractor shall also submit the proof of renewal of the same policy at least 2 (two) days before the expiry date of the previous policy to the Engineer In-charge, UCIL. The contractor will not be allowed to carry out any activity without necessary insurance coverage (mentioning working height depend upon the job requirements and as per insurance rules) of their persons. Insurance policy shall also indemnify UCIL against any claim raised by the injured/affected workmen or his family.
7. Safety Rules & Regulations for contractor's employees :-
UCIL's Safety Rules & Regulations for contractor's employees as given in the Annexure-B will be complied strictly during the execution of various works at site. Contractor has to follow the Safety Rules & Regulations as per Indian Electricity Rules to do the electrical works. UCIL shall not provide any safety appliances and tools & tackles under any circumstances. Contractor shall ensure the use of safety appliances during the work at site. Contractor will take full safety measures and arrange the necessary safety gadgets / appliances, tools & tackles, helmet (Yellow colour), gumboot, safety belt, shockproof shoe, safety suit / uniform, goggles, gloves, apron, safety net, nose guard, ladders, trolley, wheel borrow etc. at their own expense approved by the Safety Officer (Mill), UCIL so as to ensure that no damage, loss or injury to corporation's personnel, contractors' personnel, third party or equipment are caused due to the work being carried out by contractor. Contractor must report in writing (duplicate) to the Engineer-In-charge or Safety Officer (Mill)-UCIL immediately on becoming aware of any accident at their site. Safety Officer(Mill) will be the competent authority to stop the work or remove the persons from job, if contractor fails to provide personal protective equipments before the commencement of work at their own cost during work execution period.
8. Security Rules & Regulations and Entry Passes :-
Contractor shall strictly abide by the prevailing security rules and regulations and also to be enforced by UCIL time to time. Entry to the works premises is strictly restricted and only bonafide pass (permission) holders are allowed. The contractor will have to submit the details of the persons to be employed for this work within two days of award of work. The contractor will be allowed to start the work only after submission of the details in prescribed verification forms (in duplicate) along with passport size photographs for each labourer separately to the Competent Authority, UCIL. Contractor will make necessary Entry Passes from concerned officials of CISF Unit, UCIL sufficiently in advance.
9. Safe Transportation / Storage of Materials : -
Contractor will have to make their own arrangement for to and fro transportation of men, material and machine, etc. including loading & unloading / lifting / shifting at their own expense under this contract. Contractor will also be responsible for safe keeping of materials at their own cost issued by UCIL either free of cost or chargeable basis. The contractor shall build a suitable stores at his own cost for safe keeping of materials as per instruction of the Engineer-In-charge -UCIL, if required or UCIL will provide the same subject to availability. In case contractor is allowed to construct any structure, contractor shall have to demolish and clear the same before handing over the completed work. On completion of work or during the course of work all materials issued to the tenderer should be accounted for. A statement of material issued / consumed during the month & record of job done during a day are to be submitted by the party to the Engineer-In-charge, UCIL.

For this contractor will maintain a register (record) at his own cost as per direction. Tenderer will issue & transport all material from UCIL–Stores / Godown to work site in safe custody. Contractor shall have to return / store all material including surplus / dismantled material from their work site to a specified place in UCIL premises and cut the unused dismantled materials in small pieces as per direction / instruction of the Engineer In-charge, UCIL and a material reconciliation statement to be submitted alongwith the final bill. If contractor fails to remove the scrap or materials within 7 (seven) days, it will be done through any other agency at contractor's risks & costs. And work place should be kept clean and all dismantled, left out material should be disposed properly every day as per instruction of the Engineer-In-charge, UCIL. Corporation have the right to retain the final bill till site clearance is completed.

10. Material (s) Supply by UCIL and Contractor :-

The corporation will not provide any accommodation, tools and tackles, men, material, machineries, transport, forklift, stationery (writing materials), scaffolding / shuttering etc. for this work. No facility / supply other than mentioned in special conditions of contract, scope of work and schedule of items will be provided by UCIL as free or on chargeable basis. *If any other materials / facilities that are not covered under this tender but are required to complete the work will have to be arranged by the contractor at their own expense.* No extra claim shall be entertained against the materials that are not covered under this contract. But contractor shall submit free samples (materials) for approval, if required and materials approved by the Engineer-In-charge, UCIL shall only be used. UCIL reserves the right to reject goods which are not as per specification and in case of rejection contractor shall have to replace material free of cost.

11. Tax & Duties :-

The quoted rate(s) should be inclusive of all taxes, duties, insurance charges and personnel protective equipments charges including service tax, if applicable. And imposition of any new taxes / duties by the State Govt. or Central Govt. during the contract execution period will also be paid by the contractor. Hence, no other taxes, duties and royalty, etc. would be paid extra. Offers with price variation clause will be outrightly rejected.

12. Price Escalation :-

No escalation on any account shall be payable and price quoted shall be firm till completion of the work under this contract.

13. Labour Licence :- Labour Licence for the workmen to be engaged for this work shall be obtained by the contractor as per provision of Contract Labour (Regulation and Abolition) Act, 1970 as may be applicable and as amended from time to time.

14. License for engaging Inter-State Migrant Workmen :- Contractor shall obtain licence under the Inter - State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979, if they engage on any day of the preceding 12 months (as defined under section 2 (e) of the said act), 5 or more inter state migrant workmen for execution of the contract. Contractor shall have to submit declaration also, in case they have not engaged inter state migrant workmen.

15. Labour Acts & Rules :-
The contractor shall (in respect of labourers employed by him) strictly comply with provisions of the following Act & Rules made thereunder in regard to all matters provided therein or any modifications thereof or any other law relating thereto from time to time.
- i) Workmen Compensation Act-1923,
 - ii) Payment of wages Act-1936
 - iii) Employees Liability Act,1938
 - iv) Industrial Dispute Act,1947
 - v) Minimum Wages Act,1948
 - vi) Employees State Insurance Act,1948
 - vii) Mines Act, 1952
 - viii) EPF & MP Act, 1952
 - ix) Maternity Benefit Act,1961
 - x) Contract Labour (Regulations & Abolition) Act, 1970
 - xi) Inter - State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979
 - xii) All statutory provisions of Atomic Energy Regulatory Board
16. Annual Labour Return :-
Contractor shall have to submit a letter of work commencement / completion IMMEDIATELY in duplicate in prescribed format and shall also deposit labour report / annual return in Format No.-XXV in the first week of January every year (*Format to be obtained from Site Office - Mill*) to the Engineer-In-charge- UCIL as statutory requirement for onward transmission to the Competent Authority, Govt. of India, Ministry of Labour, Jharkhand.
17. Labour Employment Conditions for executing work :-
As given in clauses 1 to 13 in Annexure-A.
18. Work Measurement & Inspection / Work Instructions :-
It is to be done jointly as per schedule of items & scope of work etc. by the Engineer-In-charge, UCIL and the contractor or his authorised representative. The measurement thus taken will be final and acceptable to both parties. In case contractor's representative is not available for measurement, the concerned Engineer-In-charge-UCIL will carry out measurement and that will be binding to the contractor. Weighment recorded at UCIL weigh-bridge or estimated quantity duly certified before the start of work on daily basis by the Engineer-In-charge, UCIL will be final. Contractor will submit copy of weighment cards, slips, material gate passes etc. to the Engineer-In-charge on daily basis and maintain registers of record at their own cost and shall also submit record register on periodic basis for verification and signature. Time to time Engineer-In-charge, UCIL shall inspect the site, tools & tackles of the contractor and detailed work instructions will also be given by the Engineer-In-charge, UCIL.
19. Jurisdiction / Dispute :-
Any action / dispute arisen out of or from this work order shall be subject to the jurisdiction of court of law at Jamshedpur only, irrespective of anything to the contrary mentioned in the tender / quotation. Any statutory obligation has to be made by the contractor. Tenderer will extend all help.

20. Penalty (Liquidated Damage): -
If the progress of work is not found satisfactory or the contractor fails to complete the works within the time frame of completion, the corporation reserves the right to impose penalty / liquidated damage @ ½ % per week maximum upto 5% on the awarded / contract value for each complete week between the time for completion and actual date of completion. The amount of penalty / compensation may be adjusted or set off against any sum payable to the contractor under this or any other contract with the corporation. And after ten week from the actual date of completion of whole work if the contractor fails to complete the work, corporation reserves the right to terminate the contract and get the balance work done through any other agency at contractor's risks and costs.
21. Force Majeure :-
In case of closure / breakdown / strike / lockout or any other causes beyond control of the corporation preventing normal operation, the corporation shall be at liberty to extend the time for completion or cancel the order without any financial liability whatsoever.
22. Visit of site and locality prior to quote rate (s) :-
Before submission of tender, the tenderers are advised to make themselves fully conversant with the SCHEDULE OF ITEMS, SCOPE OF WORK, SPECIAL CONDITIONS OF CONTRACT, GENERAL CONDITIONS OF CONTRACT, ANNEXURE-A (LABOURERS) & ANNEXURE-B (SAFETY OF CONTRACTOR'S EMPLOYEES), if any. Contractor shall keep one copy of this tender documents for reference purpose before submission of tender. They are also advised to physically visit the site to understand the site working conditions, nature of jobs prior to quote for the same. Also request to inspect the motor / machine / fans / AC and other equipments etc.
23. Submission and opening of Tender / Bid :-
Tender / quotation / bid shall be submitted in a manner asked strictly in accordance with the tender terms & conditions laid down in the Enquiry / Tender document giving full details necessary for assessing their offer. Contractor shall sign and stamp on each pages of this tender documents. Canvassing in any form is strictly prohibited and disqualify the tenderer for the tender submitted for. Tenders will be rejected, if sealed tender envelopes are not superscribed on the top as per instructions given. Tenders will not be received after due date and time. Tenders will not be accepted by Fax. Tenders submitted without earnest money deposit will be summarily rejected. If any of the date under this contract is declared holiday, the event scheduled on that day will be automatically shifted on the next working days. Sealed tenders / quotations in triplicate should be submitted in two parts / envelopes as given below (or as mentioned in our enquiry letter) to the Competent Authority- UCIL. The above envelopes shall be superscribed on the top as Part-I (Techno Commercial Bid and E.M.D.) and Part-II (Price Bid) respectively with NIT / Enquiry No. & Date / full name of the work / Tender Opening Date / Name & Address of the tenderer. No two or more concerns in which an individual as a proprietor or partner shall submit tender for the execution of the same works, if they do so, all such tenders shall be liable to be rejected.

1) *Part-I (Techno Commercial Bid and E.M.D.)* envelope shall contain papers / proof of earnest money deposit along with tenderer's covering letter (in duplicate) mentioning the acceptance of all terms & conditions of tender document for executing the subject work. Contractor shall also attach tender document in original (scope of work, special conditions of contract, general conditions of contract, UCIL's labour and safety rules), xerox copies of PAN Card, TIN (Tax Identification Number) Registration Certificate, work orders regarding previous three years experience, successful completion certificates, statement of present status mentioning the value of work in detail, list of tools & tackles, technical personnel, transports and other equipments, balance sheet, income tax clearance certificate for last three financial years, if any & any other documents as deemed necessary (*duly signed and stamped on each page*).

2) *Part-II (Price Bid)* envelope shall contain papers of duly signed and stamped price / rate proposal only in triplicate along with tenderer's covering letter in duplicate. Offers with price variation clause will be out rightly rejected. Tenderer shall quote rates(s) / price(s) as per price format (schedule of items and quantities) enclosed along with tender document. Otherwise, offers of parties quoting without this price format will be out rightly rejected.

The tenders after receipt shall be opened on the stipulated date and time by the Chairman and Managing Director or his representative in presence of the intending bidders. The price part of the tender will be opened only after evaluation and scrutiny of Techno-Commercial Bid & E.M.D, if required and incomplete offers are likely to be rejected.

24. Deviation :-

Any deviation from the tender shall be clearly mentioned in the Part-I (Techno Commercial Bid) under the heading "Deviation".

25. Rate (s) in figures and words :-

The tenderer should mention their price / item rates in figures as well as in words. In case of any dispute / ambiguity, the price / rate mentioned in words shall be considered as final. Insertions, postscripts, additions and alterations shall not be recognised unless confirmed by the tenderer's signature. Tenderer shall quote rates(s) / price(s) in triplicate duly signed and stamped on each page as per price format (schedule of items and quantities) enclosed alongwith tender document. Otherwise, offers of parties quoting without this price format will be outrightly rejected. Contractor shall have to submit price / rate proposal in a separate sealed cover marked Part-II (Price Bid).

26. Validity:-

The offer should remain valid for a minimum period of 3 (three) months from the date of opening of the final price part. The Tenderers shall not be allowed to increase, amend or withdraw his tender within this period and if he does so the earnest money deposit and security deposit may be forfeited.

27. Documents not transferable :-

Tender documents are not transferable. These tender documents are the property of corporation. Contractor shall keep one copy of this documents at site in good condition for inspection and use by the Engineer-In-charge, UCIL or his representative or by other inspecting officer. None of these documents shall be used by the contractor for any purpose other than that of this contract.

28. Variation in Quantity of items :-
The quantity mentioned under the “schedule of item (s) and quantities” of this tender is tentative. The actual quantity may vary from that indicated in the tender document due to actual conditions of the site or due to other reasons. The contractor shall carry out all additional work upto the total variation of $\pm 10\%$ of the awarded value. The other terms & conditions and rate (s) shall remain firm within this limit.
29. Indemnity :-
Contractor will fully indemnify the corporation against all responsibility and whatsoever arising out of accident / injury to contractor’s workmen, third party or to corporations’ personnel and properties.
30. Muster Roll :-
The contractor has to submit a copy of the muster roll every week to the Engineer- In-charge / Site-In-charge , UCIL after making minimum rate of wages payable to different categories of workmen covered under Minimum Wages Act,1948 in presence of the representative of UCIL & contractor will also make arrears payment if any, under intimation to the Engineer-In-charge-UCIL.
31. Temporary work closure :-
If the work site is required to be suspended for some days / period because of non-availability of shutdown or any reason, contractor may close the site temporarily under written intimation *in triplicate* to the Engineer–In-charge, UCIL. During the above period, the contractor will be in touch with the Engineer-In-charge- UCIL for further instructions, if any & contractor will provide their contact address with phone numbers. No extra claim against any idling of contractor’s site crew / staff & machineries, etc. will be entertained.
32. Welfare and Health of Contract Labour :-
The contractor shall have to provide the facilities under the provision of “Contract Labour (Regulation and Abolition) Act, 1970 – Section – 16,17,18 and 19,Chapter -V , Welfare and Health of Contract Labour”.
33. Contract Agreement :-
Contract Agreement should be executed in prescribed format on a non-judicial stamped paper within 2 (two) weeks from the date of issue of work order / L.O.I. However, no payment will be made without execution of contract agreement.
34. Training, etc. :-
Contractor shall have to bring all their labourers for necessary training & guidance in *Mill Training Centre* at their own cost before actual commencement of the work. The work shall be carried out with the help of experienced / skilled persons or ITI with NCVT certificate holders or equivalent, etc. And Supervisor having Supervisory Certificate of Competency is to be engaged for supervision or as per direction of the Engineer-In-charge. Persons holding H.T. Licence of relevant section as per I.S. will be allowed to do the job of electrical works. Contractor shall have to submit a letter of authorisation (in duplicate) in favour of his experience / qualified and responsible representative as “Site Supervisor” to look after the work site and receive official letters and instructions or to issue / receive materials from stores in absence of main contractor at site.

35. Award of Contract :-
The Corporation reserves the right to accept or reject any or all tender either in full or part or to split up the work, if necessary, without assigning any reasons therefore.
36. Medical facilities :-
The contractor shall be fully responsible for any first aid / emergency treatment or serious medical treatment to his employees. UCIL will provide medical facilities on chargeable basis to contractor's employees.
37. Defects Liability Period :-
The defect liability period / guarantee period for this job shall be from the certified date of handing over of job, if applicable. The contractor shall rectify the defects, if any, detected / reported during the guarantee period under this tender from the certified date of completion of work. The contractor shall be responsible to make good and remedy at his own expense within such period, as may be stipulated by the Engineer-In-charge before the expiry of the guarantee period.
38. NOTE - In addition to above conditions, the other terms & conditions shall be applicable as per enclosed special conditions of contract & scope of work under this tender document

SPECIAL CONDITIONS OF CONTRACT

Sub : Annual rate contract for miscellaneous mechanical maintenance jobs in
crushing, grinding and dewatering plant in Mill Division (2014-2015)

1. By submitting a tender for the work, a tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the work, if so required and that the rates quoted by him in the tender will be adequate to complete the work in all respect according to the specification and other working conditions. Please refer enclosed general conditions of contract also.

2. **Time of completion:** -

12 (Twelve) months from the date of commencement of work at site. This work order may be extended for another 12 months on same terms & conditions depending upon contractor performance and mutual agreement basis.

3. **Earnest Money Deposit / Security Deposit:-**

Security Deposit equivalent to 10% of the ordered value is required to be deposited under this contract. In which, the initial security deposit (including earnest money already deposited) equivalent to 5% of the ordered value is required to be deposited in Accounts Department-UCIL in cash or demand draft before the start of the work. In addition to the above, further balance security deposit will be deducted from the running account bills @ 10 % of the gross value of every R.A. Bills till the full amount of security deposit (equivalent to 5 % of the ordered value) is recovered by the corporation. Security Deposit will be refunded on written request in duplicate to the Engineer-In-Charge, UCIL after satisfactory completion of the work.

4. **Payment**

3 (three) R.A. Bills and one Final Bill will be paid after submission of bills in 4 (Four) copies against this work.

5. **Method of Measurement and Inspection:** -
 - a) It is to be done jointly by the Engineer-in-charge, UCIL and the contractor or his authorised representative. The measurement thus taken will be final and acceptable to both parties. In case the contractor's representative is not available for measurement, the concerned Engineer-in-charge, UCIL will carry out measurements and that will be binding to the contractor.

 - b) Measurement will be done on calculated weight basis on completion of each job (for structural jobs) wherever possible.

6.
 - i) The replacement or fresh installation jobs also comprise of cleaning and painting of one coat of Red-Oxide Primer and two coats of finish paints, Aluminium painting in the bottom of chequered plates & removal of scrap generated to scrap yard.
 - ii) Working height will vary from place to place and may be up to 30 meter from the ground level. In some cases replacement jobs may have to be synchronised with the working / operation of the plant so as not to hamper the production.
 - iii) In some cases (annual maintenance jobs or during shutdown of particular equipment / area), the contractor may be required to work beyond 5.00 PM on working days or on Sunday/Holidays or round the clock, if felt necessary by UCIL. In such cases, no extra claim shall be entertained.
7. The contractor will have to maintain accountability of materials issued to them in a register which include specification of materials, date of issue, quantity, cost code, I.V. no and purpose. A statement of materials consumed during the month to be forwarded to Engineer-in-charge before 10th of next month. Recording of job done during a day is to be done by the party and signature of Engineer-in-charge, UCIL or his representative to be taken once in a week.
8. **Materials supply by UCIL - free of cost** :-
 - a) All steel items, welding electrodes and hardware like fasteners, washers and gaskets etc. as well as bitumen compound and paints etc.
 - b) Two point of Oxy-acetylene gases (consisting of two D.A. Cylinders and three Oxygen Cylinders) shall be given to the contractor during tenure of contract period for execution annual contract jobs on regular basis. If felt necessary, UCIL may provide additional cutting sets at different work site for temporary periods.
 - c) Power supply and power connection to one or two points for welding machines within 100 meters radius of work-site.
 - d) Water, lighting and compressed air as per availability.
 - e) The contractor will have to send their scrap to UCIL scrap yard from vicinity of work site. If they fail to remove scrap material within 7 days, it will be done by engaging another party and the cost of removal will be deducted from the contractor's bill (s).
 - f) 8 Tones capacity Hydra & Mobile crane of 20 MT capacity depending on availability.
 - g) Plate Bending Machine of ½ " capacity at the R & M. Shop (Mill).

9. The contractor will submit detail list of equipments to be brought by them for executing this job. They should bring in at least following items before commencing work: -
- | | |
|--------------------------------------|-----------|
| 1. Welding machine | 2 no. |
| 2. Welding Cables | 100 Mtrs. |
| 3. Welding Screen | 2 nos. |
| 4. Chain Pulley Block (2t to 5t cap) | 3 nos. |
| 5. Rope Pulley | 2 nos. |
| 6. Oxygen & DA regulator | 2 set |
| 7. Gas cutting hose (30mt each) | 2 nos. |
| 8. Trolley for material handling | 3 nos. |
| 9. Safety belt | 2 nos. |
| 10. Safety goggles | 4 nos. |

Besides above items the contractor shall bring in other tools and tackles as per their requirement.

10. The contractor shall submit details of persons e.g. number of supervisors, welders, skilled workers, helpers etc., they will engage, within 7 (seven) days of receipt of work order. However the minimum number of personnel that they will depute everyday is as under: -

1. Supervisor	01
2. Welder	04
3. Fitter / Fabricator / Rubber Liner	04
4. Unskilled Worker	08

For a major job or shut down job they may be required to bring up to 30 persons within one day notice.

11. **Inspection of tools and tackles:-** Time to time the Engineer-in-charge, UCIL shall inspect the tools and tackles of the contractor. If he finds any tools and tackles that is not in proper shape or that may lead to safety hazard, the contractor will have to take the defective tool out of the plant premises. If the contractor cannot arrange the said tool within 7 (seven) days UCIL may provide the same on chargeable basis, if available.
12. Tenderer's offer should clearly indicate unit rates separately as per ton or per meter basis for dismantling, fabrication and erection of each item (including painting) failing which their composite quoted rate will be divided in the ratio of 20:40:40 to arrive asked rate for dismantling, fabrication and erection jobs respectively.
13. **Work Contract Tax:-** In this contract, WCT (work contract tax) is applicable, as per rules.
14. The above terms & conditions shall be a part of the contract also and shall supersede all other stipulations / conditions to the contrary. Please refer enclosed general conditions of contract also.

Scope of work

Sub :Annual rate contract for miscellaneous mechanical maintenance jobs in
crushing, grinding and dewatering plant in Mill Division (2014-2015)

1. Selective replacement of worn out/damaged steel structures

The job consists of dismantling of worn out/ damaged portion of structures of chutes, conveyors galleries, stringer channels, stair cases suction boxes, launders, tanks and equipment supports etc. and erection of the same as per requirement. During the replacement of damaged structures, if required some equipment may have to be hung / temporarily supported / removed and refitted after structure is replaced. Steel item involved in the job will be of light and medium sections of Beams, Channels, Angles, Flanges, Flats and MS Plates. Offer should be separate for dismantling, fabrication, and erection jobs on per ton basis.

Quantity			
1.1	Fabrication	50	MT
1.2	Erection	50	MT
1.3	Dismantling	25	MT

2. Selective replacement of worn out/damaged chequered plates and grating etc

The job consists of dismantling of worn-out chequered plates & gratings and installation of new plates/ gratings as per dismantled size/drawing/construction by bolting or welding as per requirement in Crushing Plant, Mill House and Disc Filter etc. worn out/damaged supporting structures, if any noticed, is also to be changed. Materials involved in the job will be 6,7,8 mm chequered plates/plain MS plates, gratings and flanges, channels beams, whatever is used to support the above Contractor's offer should be separate for dismantling, fabrication and erection on per ton basis. 1"Sand Bitumen coating on top surface of the chequered plates both for new as well as existing areas. Contractor's rates should be on per Sq. meter area basis.

Quantity			
2.1	Fabrication	30	MT
2.2	Erection	30	MT
2.3	Dismantling	15	MT

3. Selective replacement of light steel structures

The job consists of dismantling of worn out/damaged light structures like conveyor deck plates, equipment guards, Belt guards, Railings, Grills, Hoods, Ducting etc. Fabrication as per dismantled pieces/drawing/instructions and erection of the same by welding or bolting as per requirement. Steel items involved will be like MS Angles, Flats, Pipes, MS Sheets Wire-nets/Grills etc. of light sections. Contractor's offer should be separate for dismantling, fabrication & erection on per Ton basis

Quantity			
3.1	Fabrication	10	MT
3.2	Erection	10	MT
3.3	Dismantling	05	MT

4. Selective Replacement of Tubular Structures

The job consists of selective replacement of Tubular Structure. The fabrication and erection of new structure as per drawing/instruction. During replacement of worn out/damaged tubular structures, some equipment/pipelines may have to be temporarily supported for releasing the structures. This will be part of the job.

Steel items involved in fabrication of Tubular structures will be medium/light duty MS Tubes of 1", 1¹/₄", 1¹/₂", 2", & 2¹/₂ and Light section MS Angles, Channels and plates etc. Rates should be quoted on per MT basis and separately for dismantling, fabrication and erection.

Quantity			
4.1	Fabrication	5	MT
4.2	Erection	5	MT
4.3	Dismantling	2	MT

5. Selective Replacement of mills liners

			Quantity	
5.1	New Rod Mill Shell liners (Rubber liners)	Set	1	
5.2	New Rod Mill Feed end top liner (material-Mn steel ,09nos. in one set)	Set	1	
5.3	New Rod Mill Feed end bottom liner (material-Mn steel, 09nos. in one set,)	Set	1	
5.4	New Rod Mill Discharge end top liner (material-Mn steel, 09nos. in one set)	Set	1	
5.5	New Rod Mill Discharge end bottom liner (material-Mn steel ,09nos. in one set)	Set	1	
5.6	New Ball mill feed end, discharge end and shell liners complete(rubber liner)	Set	1	
5.7	Old rod mill Shell liners(Rubber liners)	Set	1	
5.8	Old rod mill feed end top liner(Mn steel, 16 nos. in one set)	Set	02	
5.9	Old rod mill feed end bottom liner(Mn steel, 16 nos. in one set)	Set	02	
5.10	Old rod mill grid liner (Mn steel, 16 nos. in one set)	Set	03	
5.11	Old rod mill end liner ,lifter and deflector (Mn steel, one set consis of -16 nos.'L'liner,4nos.lifter&01 no. deflector in two half)	Set	1	
5.12	Old ball mill Shell liners A type(Mn steel, nos. of liners-94)	Set	02	
5.13	Old ball mill Shell liners B type(Mn steel, nos. of liners-18)	Set	02	
5.14	Old ball mill feed end top liner(Mn steel, 16 nos. in one set)	Set	02	
5.15	Old ball mill feed end bottom liner(Mn steel, 16 nos. in one set)	Set	02	
5.16	Old ball mill grid liner (Mn steel, 16 nos. in one set)	Set	03	
5.17	Old ball mill end liner ,lifter and deflector ((Mn steel, one set consis of -16 nos.'L'liner,4nos.lifter&01 no. deflector in two half)	Set	01	
5.18	Feed end trunion liner (Mn steel)	No.	4	
5.19	Discharge end trunion liner (Mn steel)	No.	4	
5.20	Single 500 TPD Ball Mill feed end head liners	Set	1	
5.21	Single 500 TPD Ball Mill discharge end head liners	Set	1	
5.22	Single 500 TPD Ball Mill shell liners	Set	1	

A) The job includes: -

- a) Removing Manholes/feed chute for entering inside the mill.
- b) Dismantling liners and gaskets by unscrewing or gas cutting fasteners.
- c) Removing worn-out liners from the Mill.
- d) Carrying new liners inside the Mill.
- e) Fitting the new liners along-with gaskets.
- f) In some cases other fitted liners may have to be loosened / removed to facilitate easy fitting.
- g) Fastening the liners, tightening nuts and bolts.
- h) Welding the deflector plate
- i) Re-tightening nuts and bolts after trial run of Mill on load.
- j) All the activities are to be performed as per direction of the Engineer In-charge.

B) Note:-

- a) Since time is the essence of the contract, the job has to be carried out round the clock basis till its completion. Contractor's supervisor shall always remain at the site till the completion of the job.
- b) Completion Time:- Contractor has to complete the job within standard time(fixed by Engineer-In-charge) allotted for different types of liners.
- c) The contractor shall intimate manpower engaged in each shift to the Engineer-In-charge.

6. Dismantling/Erection and alignment of conveyor pulley, idlers, gear boxes, motor, electromagnets, feeders, troughs etc.

This part of job comprises of dismantling / removal and erection & alignment of Conveyor pulleys & its idlers, electric motors, reduction gear boxes, tanks & their agitators, Electromagnets, feeders & its trough, Magnetic separator drums and similar equipments etc. The job also includes the issue of these items from central stores or collection them from some places inside mill area and shifting of the same to working site well in advance. If felt necessary, UCIL shall provide required assistance of Truck/ tractor trailers/ Hydra /Crane etc.

Contractor should quote separately for dismantling or removal and erection & alignment above mentioned equipments and their parts

Quantity

6.1	dismantling	MT	360
6.2	erection	MT	360

7. Replacement of Girth Gears of Grinding Mills

This part of job involves the replacement of existing Girth gear of Mills in grinding circuit as per the works instruction of Engineer in charge. The work comprises of dismantling/removal of existing old worn out girth gear by opening the joint bolts carefully and shifting these girth gears to the scrap yard or any specified place inside mill premises after doing the required cleaning.

The work pertaining to installation of new girth gears involves the issue of these items from central store, cleaning of gears and its faces, erection & alignment of girth gear with respect to Mill axis / Trunions.

The detail working instruction shall be made available by the Engineer in Charge at the time execution of the work.

Contractor should quote rates separately for dismantling / removal job and erection and alignment job of these girth gears. One girth gear comprises of two halves.

		Quantity	
7.1	Dismantling and disposal of old girth gear	No.	1
7.2	Erection and alignment of new girth gear	No.	1

8. Dismantling and erection of feed chute of Mills

This job involves the replacement of existing wornout feed chute of mills as per the works instruction of Engineer-in-charge.

The work comprises of dismantling / removal of existing old worn out chutes by unscrewing or gas cutting of fasteners and shifting these chutes to the specified place inside mill premises.

The work pertaining to installation of new / repaired chute involves the shifting of chute to the site, installed, bolted and welded properly as per direction of Engineer-in-charge. This job directly affect the production so once start then finish the same within given time frame.

To facilitate the installation job crane operator will be provided by us.

You should quote your rate separately for dismantling and installation job.

8.1.1	Dismantling of feed chute of 500 TPD Mill	2 nos.
8.1.2	Erection of feed chute of 500 TPD Mill	2 nos.
8.2.1	Dismantling of feed chute of New Rod Mill	2 nos.
8.2.2	Erection of feed chute of New rod Mill	2 nos.
8.3.1	Dismantling of feed chute of New Ball Mill	2 nos.
8.3.2	Erection of feed chute of New Ball Mill	2 nos.
8.4.1	Dismantling of feed chute of Old Rod Mill	24 Nos.
8.4.2	Erection of feed chute of Old Rod Mill	24 Nos.
8.5.1	Dismantling of feed chute of Old Ball Mill	2 Nos.
8.5.2	Erection of feed chute of Old Ball Mill	2 Nos.
8.6.1	Repairing of deflector plate of old rod mill	24 Nos.
8.6.2	Repairing of deflector plate of old ball mil	24 Nos.

9. Replacement of Trunion bearing of mills

This part of job involves the replacement of existing bearing of mill as per instruction of Engineer-in-charge. The work comprises of dismantling / removal of existing old worn out bearing by opening the joining bolts carefully and before this mill to be lifted by jacks & supported by steel & wooden packing. The installation of new bearing involves issuing of these items from store, cleaning, blue printing, erection & alignment with respect to mill axis.

Detail work instruction shall be made available by Engineer-in-charge at the time of execution of the work.

Contractor should quote rate for complete activities.

9.1	Replacement of Trunion Bearing	04 nos.
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10. Replacement of Steep inclined belt

This part of job involves the replacement of existing steep inclined belt in crushing plant as per the works instruction of Engineer in charge.. The work comprises of dismantling/ removal of existing old steep inclined belt by cutting in small pieces carefully and shifting these to the scrap yard or any specified place inside mill premises.

The work pertaining to installation of new steep inclined belt involves the issue of this item from central store. To facilitate this job if required tail pulley, drive pulley, idlers & guide rollers are to be removed. Erection & alignment of new steep inclined belt to be done after shifting it to the existing position. During shifting, erection and alignment if any structure is removed/installed to be made clear.

The detail working instruction shall be made available by the Engineer in Charge at the time execution of the work.

Contractor should quote rates separately for dismantling / removal job and erection and alignment job of this steep inclined belt.

		Quantity	
10.1	Erection	Set	1
10.2	Dismantling	Set	1

11. Replacement of discharge chute liner of 4 ¼' Std. Head Cone Crusher.

This job involves the replacement of existing worn out MS discharge chute liner of 4 ¼' std. head cone crusher as per the works instruction of Engineer-in-charge. The work comprises of dismantling/removal of existing old worn out liners by gas cutting carefully and shifting these worn out liners to the scrap yard or any specified place inside mill premises.

The work pertaining to installation of new liners involves the cutting of these liners from Ms plate, bending in required shape in R M Shop, shifting to crushing plant, installed and welded properly as per direction of Engineer-in-charge. This is critical equipment so installation job should continue round the clock till completion.

To facilitate the installation job cone crusher will be dismantled & assembled by departmental manpower and crane operator will be provided for shifting of liners. The detail working instruction shall be made available by the Engineer-in-charge at the time execution of the work.

You should quote your rates separately for dismantling/removal job and installation job of this discharge chute liners. One set of liner comprises of five to six pieces.

		Quantity	
11.1	Dismantling	Set	4
11.2	Erection	Set	4

12. Replacement of Conveyor Belts

This part of job involves the replacement of existing conveyor belts in plant as per the works instruction of Engineer-in-Charge. The work comprises of dismantling / removal of existing worn out belt by cutting in small pieces carefully and shifting these to the scrap yard or any specified place inside the mill premises.

The work pertaining to installation of new conveyor belt involves the issue of these items from Central Stores, preparing ends for cold vulcanising, shifting to the site. Few idlers to be removed to facilitate the joining of the belt, erection & alignment of new belt to be done after shifting to position, belt end to be prepared and vulcanising to be done to make belt endless. We will provide the vulcanising solution however contractor should call (depute) experience rubber liner recommended by the Engg. to complete the joining of belt. Installation & alignment to be done of removed idlers & structure to run the belt.

The detail work instruction and time frame shall be given by Engineer-in-Charge at the time of erection of the work. This job is directly affect the production so it must be completed within given time period.

12.1	Replacement of C1A Conveyor	01 no.
12.2	Replacement of C1B Conveyor	01 no.
12.3	Replacement of C1 Conveyor	01 no.
12.4	Replacement of C2 Conveyor	01 no.
12.5	Replacement of C3 Conveyor	03 nos.
12.6	Replacement of C4 Conveyor	01 no.
12.7	Replacement of C5 Conveyor	01 no.
12.8	Replacement of C13 Conveyor	01 no.
12.9	Replacement of C18 Conveyor	01 no.
12.10	Replacement of C17 Conveyor	01 no.
12.11	Replacement of C16 Conveyor	01 no.
12.12	Replacement of C19 Conveyor	01 no.
12.13	Replacement of C20 Conveyor	01 no.
12.14	Replacement of C14 Conveyor	01 no.
12.15	Replacement of C06 Conveyor	01 no.

13. Replacement of Repulper vats, Repulper shaft, Agitator assemblies, and Trunions in disc Filters.

This job is about replacement of major / prime components or parts of special equipments like Disc Filters. The works under this part of tender will be required to be executed within a given specific time period and strictly in a manner as prescribed by the Engineer following specific work instructions. The contractor will be required to deploy the skilled & experienced technicians for these jobs which are quite different from the other jobs pertaining to replacement of Steel Structures. The time and quality of work will be most important factors for these work.. The intimation about the commencement of such work / works to be done at one time, will be given nearly one week prior to date of shut down for making all necessary arrangements/preparations for taking up the works immediately. The progress of work shall be monitored very closely.

The job comprises of replacement work of existing Repulper vats, Repulper shafts, Agitator assemblies and Trunions in Disc Filters. The job also includes the issue of aforesaid items from the central store & shifting of the same to the actual working site / place well in advance and disposal of the old replaced item to a specified place inside mill premises. The entire work will be executed according to the instruction of the Engineer-in-charge.

Contractor should quote rates item wise separately for the job of replacement of each of following items.

		Quantity	
13.1	Repulper Vats	Nos.	3
13.2	Repulper Shafts	Nos.	3
13.3	Agitator Assembly	Nos.	4
13.4	Sector	Nos.	1800

14. Pipe line work

14.1	Group A pipe size from 15NB to 40NB		
14.1.1	Fabrication	Mtrs.	100
14.1.2	Erection	Mtrs.	100
14.1.3	Dismantling	Mtrs.	50
14.2	Group B Pipe size from 50 NB to 80 NB		
14.2.1	Fabrication	Mtrs.	200
14.2.2	Erection	Mtrs.	200
14.2.3	Dismantling	Mtrs.	100
14.3	Group C Pipe size from 100 NB to 150 NB		
14.3.1	Fabrication	Mtrs.	200
14.3.2	Erection	Mtrs.	200
14.3.3	Dismantling	Mtrs.	100
14.4	Group D Pipe size from 200 NB to 300 NB		
14.4.1	Fabrication	Mtrs.	100
14.4.2	Erection	Mtrs.	100
14.4.3	Dismantling	Mtrs.	50

Dismantling, Fabrication and Erection of various sizes Pipes. This job consists of dismantling old pipes and or laying of new pipelines of different sizes of MS/GI/ MSRL /HDPE and SS pipes (up to 65 NB size only). You will cut pipes / fittings in required sizes, weld wherever required, fabricate / rectify bends, flanges, Elbows, 'T', 'Y' etc. as per requirement and install the same with proper supports, as per layout / instruction. Painting with one coat of Primer & two coats of finish paint will be part of the job.

Your offer should be per running meter basis for different size groups of pipes. The quoted rate will apply to all types of pipes i.e. Mild Steel, MS Rubber lined, GI & HDPE.

Rate should be quoted separately for dismantling, fabrication and erection activities.

Group wise quantities are as under:

15. Specific work instructions

The following work instructions will be generally governing the various works described under the item no. 7 of scope of work. However, these instructions may be modified at any time during the contract period but before commencement of any such work, if felt necessary by UCIL.

For replacement of Girth gears of Grinding Mills Std Completion Time–2 days

- a) Bring the new girth gear to a place inside Mill house.
- b) Clean its teeth and all matching surfaces free from rust / burrs.
- c) Loosen all the joint and peripheral bolts of girth gear.
- d) Position the mill suitably to keep girth gear joint in the desired direction.
- e) Dismantle & remove the bolts of joint and one half portion of Girth gear and shift it to a nearby place as directed by the Engineer in charge.
- f) Clean all gear teeth, girth gear faces and surfaces of gear joint properly.
- h) Clean the matching surface of Mill heads free from any slurry/ dust / cadium compound / metallic burrs etc.
- i) Place one half portion of girth gear and fix its peripheral bolts.
- j) Re position the mill and fit the other half portion of girth gears keeping it well aligned with the first gear half.
- k) Tighten all girth gear flange bolts and joint bolts.
- l) Transfer/ shift the old girth gear to scrap yard or any place as directed by the Engineer-in-Charge.

(IV) CONTRACT LABOURER EMPLOYMENT ACT & RULES

1. The contractor shall employ labourer in sufficient number to maintain required rate of progress and quality to ensure workmanship of the degree specified in the contract and the satisfaction of the Engineer-In-charge. The contractor shall not employ in connection with the works any person who has not attained the age of fifteen years.
2. Contractors should employ only the persons with established identity.
3. Dy. Commandant, CISF,UCIL will issue temporary identity cards to persons actually engaged in the work and may exercise checks as considered necessary to ensure that strangers are not permitted inside the work premises. Contractors are required to surrender the identity cards on completion of job to Dy. Commandment, CISF,UCIL.
4. CISF control room / Contractor will not allow any inter-state labourer as a contract labour in any case.
5. The contractor shall furnish to the Engineer-In-charge, a distribution return of the number description by trades of work people employed on the works. The contractor shall also submit on the 4th and 19th of every month to the Engineer-In-charge a true statement showing in respect of second half of the preceding month and the first half of current month (i) the accident that occurred during the said fortnight showing the circumstances under which they happened and the extent of damage and injury caused by them and (ii) the number of female workers who have been allowed Maternity Benefit as provided in the Maternity Benefit Act 1961 or rules made thereunder and the amount paid to them.
6. The contractor shall pay to labourers employed by him wages not less than fair wages as defined in the Contract Labour (Regulation & Abolition) Act 1970 and rules made thereunder.
7. The contractor shall in respect of labour employed by him comply with or cause to be complied with the Contract Labour (Regulation & Abolition) Act ,1970 and Rules made there under in regard to all matters provided therein.
8. The contractor shall comply with the provisions of the payment of Wages Act 1936, Minimum Wages Act 1948, Employees Liability Act 1938, Workmen's Compensation Act 1923, Industrial Disputes Act 1947, Maternity Benefit Act 1961, and Mines Act 1952 or any modifications thereof or any other law relating thereto and rules made thereunder from time to time.
9. The contractor shall be liable to pay his contribution and the employee's contribution to the Employees State Insurance Scheme in respect of all labour employed by him for the execution of the contract, in accordance with the provision "The Employees State Insurance Act, 1948 as amended from time to time and as applicable in this case. In case the contractor fails to submit full details of his account of labour employed and the contribution payable, the Engineer-In-charge shall recover from the running bills of the contractor an amount of contribution as assessed by him. The amount so recovered shall be adjusted against the actual contribution payable under Employees State Insurance Scheme.

10. The Engineer-In-charge shall on a report having been made by an inspection staff as defined under the Contract Labour (Regulation & Abolition) Act 1970, and rules made thereunder have the power to deduct from the money due to the contractor any sum required or estimated to be required for making the good the loss suffered by a worker or workers by reason of non-fulfilment of the conditions of the contract for the benefit of workers, non-payment of wages or of deductions made from his or their wages which are not justified by the contract or non -observance of the said Act.
11. The contractor shall indemnify the Corporation against any payment to be made under and for observance of the Contract Labour (Regulation & Abolition)Act 1970, and the rules made there under without prejudice to his right to claim indemnity from his sub-contractors.
12. In the event of the contractor committing a default or breach of any of the provisions of aforesaid Act and Rules made thereunder / amended from time to time or furnishing any information or submitting or filling any Forms / Register / Slip under the provisions of the law which is materially incorrect, then on the report of the Inspecting Officer, the contractor shall without prejudice pay to the Corporation a sum not exceeding liabilities for such defaults including liquidated damages etc. For every default, breach or furnishing, making, submitting, filling materially incorrect statement as may be fixed by the Labour Department and the contractor should indemnify the Corporation against all such liabilities.
13. MODEL RULES FOR LABOUR WELFARE :-
 - (i) The Contractor shall at his own expenses comply with or cause to be complied with Model Rules for Labour Welfare as provided under the rules framed by the appropriate Government from time to time for protection of health and making sanitary arrangements for workers directly or indirectly on the works. In case the contractor fails to make arrangements as aforesaid, the Engineer-In-charge shall be entitled to do so and recover the cost thereof from the Contractor.
 - (ii) Failure to comply with Model Rules for Labour Welfare, Safety Code or the provisions relating to report on accidents and to grant Maternity Benefit to Female workers shall make the contractor liable to the Corporation as liquidated damages an amount not exceeding Rs. 50.00 for each default or materially incorrect statement. The decision of the Engineer Incharge in such matters based on reports from the Inspecting Officers shall be final and binding and deducting officers shall be final and binding and deductions for recovery of such liquidated damages may be from any amount payable to the contractor.

(V) SAFETY OF CONTACTORS' EMPLOYEES

1. The contractor shall at all times, take all reasonable precaution for the safety of employee, including those of sub – contractors in the performance of his contract and shall comply with all applicable provisions of both Central as well as the State Safety Laws. In addition to the safety provisions, the contracting officer shall include the safety requirements as recommended by the Health Physics Unit, Jaduguda for a specified contract.

In the event that contractor fails to comply with these provisions, the contracting officer may, without prejudice to any other legal or contractual rights, issue an order for stopping all or any part of the work, thereafter a start order for resumption of work may be issued at the sole discretion of the Contracting Officer. The contractor shall make no reason of or in connection with such stoppage.

2. Contractor shall have a full time Safety Officer / Engineer when the contractor employ 500 or more persons or when engaged specifically in hazardous work. In the case of contractors employing fewer than 500 persons, his safety representative shall be an employee in a high supervisory capacity and his safety duties may be in addition to his other technical/ administrative duties.
3. Contractor shall have at least one person fully trained in First Aid to be present at the site of work all time.
4. Contractor must report to the Safety Officer (Mill) – through their contracting officer every accident involving:-
 - Their personnel
 - UCIL property or personnel.
 - Property or personnel of other contractors working at the site.

- 4.1 Contractor must report to the Safety Officer (Mill) immediately on becoming aware of any accident of Type - A (see Appendix –1) giving the following information:-
- Name of the informant
 - Nature and location of incident being reported
 - Name of Supervisor / Engineer–In-charge, location and telephone no. where he can be reached.
- 4.1.1 Contractor shall submit their investigation reports, through their contracting officer, to the Safety officer (Mill) immediately but not later than 3 (three) working days after the occurrence of accident in the Form – A (see Appendix -
- 4.1.2 In the case of Type – B accidents (see Appendix – 1) , Contractors shall submit their investigating reports, through their contracting officer, to the Safety officer (Mill) immediately but not later than 3 (three) working days after the occurrence of accident in the Form – A .
- 4.2 Monthly summary of accidents and cases of fire shall be prepared by each contractor in Form – B (see Appendix – 3) and be sent to the Safety officer (Mill) by the 7th of the next month.
- 4.2.1 Prime contractor reports shall include the man days lost and occurrence of accident under the jurisdiction of the Sub-Contractors.
- 4.2.2 Contractors shall submit a narrative on safety activities and fire incidents for each month along with Form – B. The review should contain such items as personnel and programme change, major project started and major problem.

CLASSIFICATION OF ACCIDENTS

TYPE – A

1. Fatal injury.
2. Serious injuries such as fracture, dislocation, severe burns etc. necessitating hospitalisation.
3. Any injury to five or more persons.
4. Accidents resulting in damage by fire, explosion etc.

TYPE – B

1. Minor injuries which results in laceration, abrasion, contusion etc.
2. Disabling injuries but not requiring hospitalisation.

(FORM – A)

ACCIDENT INVESTIGATION REPORTS

Name of contractor and project :
Nature of contract :
Name of Engineer In-Charge :
Name of injured person :
Age :
Address :
Date and Time of accident :
Place where accident occurred :
Nature of job :
What was injured person doing :
at the time of accident
Description of accident (in detail) :
Nature of injuries :
What was defective or in wrong :
condition that was responsible
for the accident
What was wrong with working :
methods / instructions
What steps should be taken :
to prevent reoccurrence of
such accidents
Name of witness : 1.
2.
Safety representative's remarks
with signature and date :

(FORM –B)

SUMMARY OF ACCIDENT FOR THE MONTH OF

Name of the contractor :
Name of project :
Name of the sub – contractor :
Name of safety representative
of the project :
Total nos. of persons working in the project : Male Female
Engineers :
Supervisors :
Labours :
Total nos. of accidents
(including Type A & B) :
Disabling injuries :
Non – disabling injuries :

(Signature & stamp of Contractor)

cc: Engineer – In-charge
cc: Safety officer, Jaduguda Mill

Important Instructions to Contractors

1. After getting work order, contractor will have to submit their Site In-charge contact number to the following officials of UCIL for better co-ordination.
 - a) Respective Section-In-charge,
 - b) Safety officer (Mill),
 - c) Respective Site In-charge and
 - d) Mill In-charge.
2. The contractors will have also to collect contact numbers of all above mentioned personnel for proper co-ordination during execution of any job.
3. Before starting up any work against work order issued by UCIL to the contractor, contractor will have to submit **medical fitness certificate** of their workmen to the Safety Officer (Mill).
4. After receiving medical fitness certificate, Safety officer shall sign the request letter for preparation of gate pass of their workers.
5. All workers of contractor shall report to the Mill Training Centre for their **safety induction training**.
6. Only after safety induction training, they shall be engaged for any job.
7. **The contractor shall inform in writing to UCIL's Site-In-charge & a copy to Safety Officer (Mill) in one day advance about the work taken up next day & safety precautions taken up during execution of work and PPE's to be provided to their workmen.**
8. Before starting any job, a **safety pep-talk** shall be given by their experienced supervisor/site in-charge.
9. Before starting critical jobs, contractor shall have to fill Job Hazard Analysis form as per the format attached as **Annexure 'X'**. They shall have to prepare **Specific Safety Job Procedure** before starting any critical jobs such as dismantling & erection jobs at height etc. Also a checklist (**as Annexure 'Y'**) for the same shall be prepared and implemented.
10. For critical jobs they shall be given **Safety Work Permit**.
11. After issue of safety work permit, safety personnel shall check all the safety related aspect as per the checklist prepared by the contractor and then only allow them to carry out the work.

12. During execution of critical job, site in-charge / safety personnel of the contractor and site in-charge of UCIL shall be present.
13. For bigger contract, contractor will have to engage **Qualified Safety Personnel** (having qualification diploma in industrial safety) for assessment of safety related issues.
14. After completion of job safety permit shall be handed over to the respective section-in-charge.
15. Gate pass to the Contractor labour shall be issued only after production of PPE's by them. Safety shoe & helmet are mandatory for issuing gate pass. No contract workmen shall be allowed without PPE.

URANIUM CORPORATION OF INDIA LIMITED, JADUGUDA
JOB HAZARD ANALYSIS

1. Description of Job: _____

2. Exact location of Job: _____

3. Job Performed by:

S.No.	Date	Name of allocated person (s)	Time	Sign (Supervisor)

4. Name of stand-by person (if req.): _____

5. Name of Fire person (if req.): _____

6. Name of competent person (if req.): _____

A. Atmosphere Monitoring required: Yes No N/A

 If Yes, mention frequency: _____ Oxygen concentration reading: _____

B. Safety Checklist

B1. Access	B2. Electrical isolation	B3. Emergency Equipment Locations	B4. Hazards (Body)
Scaffold (properly inspected) <input type="checkbox"/>	Locked and tagged <input type="checkbox"/>	Fire extinguisher located <input type="checkbox"/>	Working surface condition <input type="checkbox"/>
Ladder (wooden/Aluminium) <input type="checkbox"/>	Disconnected <input type="checkbox"/>	Fire hydrant valve located <input type="checkbox"/>	Pinch point/ Sharp object <input type="checkbox"/>
Walkway & handrail <input type="checkbox"/>	Properly grounded <input type="checkbox"/>	First aid box located <input type="checkbox"/>	Flying particle <input type="checkbox"/>
Floor level <input type="checkbox"/>	Not required <input type="checkbox"/>	Eye wash located <input type="checkbox"/>	Electric shock <input type="checkbox"/>
		Safety shower located <input type="checkbox"/>	Housekeeping <input type="checkbox"/>
		Emergency phone no. _____	Thermal burns <input type="checkbox"/>
			Fall potential <input type="checkbox"/>

B5. hazard (Environment)	B6. Lifting device being used	B7. PPE to be used	B8. Hazards on body from work
Airborne particles <input type="checkbox"/>	TIL <input type="checkbox"/>	Helmet / Gumboot <input type="checkbox"/>	Skin contamination <input type="checkbox"/>
Heat stress <input type="checkbox"/>	Forklift <input type="checkbox"/>	Goggles / Hand gloves <input type="checkbox"/>	Hygiene <input type="checkbox"/>
Inadequate light <input type="checkbox"/>	Hoist / EOT Crane <input type="checkbox"/>	Ear plug / ear muff <input type="checkbox"/>	Chemical burn <input type="checkbox"/>
Noise <input type="checkbox"/>	Chain pulley. Rope pulley <input type="checkbox"/>	Face shield <input type="checkbox"/>	Skin / eyes <input type="checkbox"/>
Radiation <input type="checkbox"/>	Not required <input type="checkbox"/>	Respirator <input type="checkbox"/>	Flammable <input type="checkbox"/>
Not applicable <input type="checkbox"/>		Acid apron <input type="checkbox"/>	Inhalation <input type="checkbox"/>
		Safety belt <input type="checkbox"/>	

C. Permit required: Work permit (Including electrical shut down) Confined space Height pass

Others (if any): _____

D. Potential Hazards:

E. Action taken to eliminate hazards & Pep Talk:

F. Tools, materials and safety equipments required:

G. Any other special precautions:

(Signature of supervisor / site –in-charge)

1.

2.

Check List for erection and dismantling job at height

(Put a ✓ mark)

S.No.	Particular	Yes : No :
1.	Job Hazard Analysis Done	Yes : No :
2.	Safety training given to workmen	Yes : No :
3.	All engineering aspect such as load assessment, support requirement, safety etc, done.	Yes : No :
4.	Safe Operating Procedure made	Yes : No :
5.	PPE has been provided to all workmen	Yes : No :
6.	Safety work permit issued.	Yes : No :
7.	Height pass is available with the workmen who will work at height.	Yes : No :
8.	Safety net is used if work is carried out above 15 m.	Yes : No :
9.	Medically fitness certificate has submitted by all workmen.	Yes : No :
10.	Engagement of qualified safety personnel.	Yes : No :
11.	Engagement of site supervisor	Yes : No :
12.	Double sling is available in case of use of hydra crane.	Yes : No :
13.	Hand over of permit after job is over.	Yes : No :

SCHEDULE OF ITEMS & RATES

Sub:-Annual rate contract for miscellaneous mechanical maintenance jobs at crushing, grinding and dewatering plant in Mill Division(2014-15).

NIT NO.: UCIL/Mill/217/693/2014 dated 10.10.2014

Sl. No.	Description of item	Unit	Qty.	Rate (Rs.) (including all taxes, duties & insurance charges etc.)	Amount (Rs.)
1.0	Selective replacement of worn out steel structures				
1.1	Fabrication	MT	50		
1.2	Erection	MT	50		
1.3	Dismantling	MT	25		
2.0	Selective replacement of worn out chequered Plates / M.S. gratings etc.				
2.1	Fabrication	MT	30		
2.2	Erection	MT	30		
2.3	Dismantling	MT	15		
3.0	Selective replacement of worn out light steel structure				
3.1	Fabrication	MT	10		
3.2	Erection	MT	10		
3.3	Dismantling	MT	5		
4.0	Replacement of damaged tubular structures				
4.1	Fabrication	MT	5		
4.2	Erection	MT	5		
4.3	Dismantling	MT	2		
5.0	Selective replacement of Mill liners				
5.1	New Rod Mill Shell liners(Rubber liners)	Set	1		
5.2	New Rod Mill Feed end top liner (material-Mn steel, 09 nos. in one set)	Set	1		
5.3	New Rod Mill Feed end bottom liner (material-Mn steel,09nos. in one set)	Set	1		

5.4	New Rod Mill Discharge end top liner (material-Mn steel, 09nos. in one set)	Set	1		
5.5	New Rod Mill Discharge end bottom liner (material-Mn steel, 09 nos. in one set)	Set	1		
5.6	New Ball mill feed end, discharge end and shell liners complete(rubber liner)	Set	1		
5.7	Old rod mill Shell liners(Rubber liners)	Set	1		
5.8	Old rod mill feed end top liner(Mn steel, 16 nos. in one set)	Set	2		
5.9	Old rod mill feed end bottom liner(Mn steel, 16 nos. in one set)	Set	2		
5.10	Old rod mill grid liner (Mn steel, 16 nos. in one set)	Set	3		
5.11	Old rod mill end liner, lifter and deflector (Mn steel, one set consist of -16 nos. 'L' liner ,4 nos.lifter & 01 no. deflector in two half)	Set	1		
5.12	Old ball mill Shell liners A type(Mn steel, nos. of liners-94)	Set	2		
5.13	Old ball mill Shell liners B type(Mn steel, nos. of liners-18)	Set	2		
5.14	Old ball mill feed end top liner(Mn steel, 16 nos. in one set)	Set	2		
5.15	Old ball mill feed end bottom liner(Mn steel, 16 nos. in one set)	Set	2		
5.16	Old ball mill grid liner (Mn steel, 16 nos. in one set)	Set	3		
5.17	Old ball mill end liner ,lifter and deflector (Mn steel, one set consist of -16 nos. 'L' liner, 4 nos.lifter & 01 no. deflector in two half)	Set	1		
5.18	Feed end trunnion liner (Mn steel)	No.	4		
5.19	Discharge end trunnion liner (Mn steel)	No.	4		
5.20	Single 500 TPD Ball Mill feed end head liners	Set	1		
5.21	Single 500 TPD Ball Mill discharge end head liners	Set	1		
5.22	Single 500 TPD Ball Mill shell liners	Set	1		
6.0	Dismantling, erection and alignment of conveyor pulley, idlers, gear boxes, motor, electro-magnets, feeders, troughs etc.				
6.1	Dismantling	MT	360		
6.2	Erection	MT	360		
7.0	Replacement of Girth Gear				
7.1	Dismantling and disposal of old girth gear	No.	1		
7.2	Erection and alignment of new girth gear	No.	1		
8.0	Dismantling and erection of feed chute of Mills and deflector plate repairing				
8.1.1	Dismantling of feed chute of 500 TPD Mill	No.	2		

8.1.2	Erection of feed chute of 500 TPD Mill	No.	2		
8.2.1	Dismantling of feed chute of New Rod Mill	No.	2		
8.2.2	Erection of feed chute of New rod Mill	No.	2		
8.3.1	Dismantling of feed chute of New Ball Mill	No.	2		
8.3.2	Erection of feed chute of New Ball Mill	No.	2		
8.4.1	Dismantling of feed chute of Old Rod Mill	No.	24		
8.4.2	Erection of feed chute of old Rod Mill	No.	24		
8.5.1	Dismantling of feed chute of Old Ball Mill	No.	2		
8.5.2	Erection of feed chute of Old Ball Mill	No.	2		
8.6.1	Repairing of deflector plate of old rod mill	No.	24		
8.6.2	Repairing of deflector plate of old ball mill	No.	24		
9.00	Replacement of Trunion bearings				
9.1	Replacement of Trunion Bearing	No.	4		
10.0	Replacement of steep inclined belt				
10.1	Erection	Set	1		
10.2	Dismantling	Set	1		
11.0	Replacement of discharge chute liner of 4 ¼' Std. Head Cone Crusher				
11.1	Dismantling	Set	4		
11.2	Erection	Set	4		
12.0	Replacement of Conveyor Belts				
12.1	Replacement of C1A Conveyor	No.	1		
12.2	Replacement of C1B Conveyor	No.	1		
12.3	Replacement of C1 Conveyor	No.	1		
12.4	Replacement of C2 Conveyor	No.	1		
12.5	Replacement of C3 Conveyor	No.	3		
12.6	Replacement of C4 Conveyor	No.	1		
12.7	Replacement of C5 Conveyor	No.	1		
12.8	Replacement of C13 Conveyor	No.	1		
12.9	Replacement of C18 Conveyor	No.	1		
12.10	Replacement of C17 Conveyor	No.	1		
12.11	Replacement of C16 Conveyor	No.	1		
12.12	Replacement of C19 Conveyor	No.	1		
12.13	Replacement of C20 Conveyor	No.	1		
12.14	Replacement of C14 Conveyor	No.	1		
12.15	Replacement of C06 Conveyor	No.	1		
13.0	Replacement of Repulper Vats, Repulper Shafts, Agitator Assembly, Trunions in Disc Filters				
13.1	Repulper Vats	Nos.	3		
13.2	Repulper Shafts	Nos.	3		
13.3	Agitator Assembly	Nos.	4		
13.4	Sector	Nos.	1800		
13.5	Pipe line work				
14.0	Group A pipe size from 15NB to 40NB				

14.1	Fabrication	Mtr.	100		
14.1.1	Erection	Mtr.	100		
14.1.2	Dismantling	Mtr.	50		
14.1.3	Group B Pipe size from 50 NB to 80 NB				
14.2	Fabrication	Mtr.	200		
14.2.1	Erection	Mtr.	200		
14.2.2	Dismantling	Mtr.	100		
14.2.3	Group C Pipe size from 100 NB to 150 NB				
14.3	Fabrication	Mtr.	200		
14.3.1	Erection	Mtr.	200		
14.3.2	Dismantling	Mtr.	100		
14.3.3	Group D Pipe size from 200 NB to 300 NB				
14.4	Fabrication	Mtr.	100		
14.4.1	Erection	Mtr.	100		
14.4.2	Dismantling	Mtr.	50		
				Total Value =	
				Discount%	
				Grand Total =	

(Rupees only)