TENDER DOCUMENT

For

Subject: Repairing of boiler Capacity-5000kg/hr., Make- Walchandnagar Industries Ltd., at UCIL Jaduguda.
TENDER DOCUMENT FOR: - Repairing of boiler Capacity-5000kg/hr., Make-Walchandnagar Industries Ltd., at UCIL Jaduguda.

1. To be submitted on or before 03:00 PM on Date: 18.11.2016
2. Tenders shall be opened in presence of tenders who may present at 03:30 PM on date 18.11.2016 in the office of Manager (Pers.) Jaduguda.

Issued to M/s.______________________________________________________

(Contractor)

Signature of officer issuing the tender document ____________________________

Designation ____________________________

Date ____________________________
Notice Inviting Tender (NIT)

Sealed items rate tender is invited from following bonafide resourceful, reliable, experienced and reputed contractor for the execution of following work at Mill Division of Jaduguda & this job also include the submission of valid boiler operation certificate and approved of repair work plan from chief inspector / inspector of boilers.

<table>
<thead>
<tr>
<th>Name of Work</th>
<th>Repairing of boiler Capacity-5000kg/hr., Make-Walchandnagar Industries Ltd., at UCIL Jaduguda.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Completion Time</td>
<td>55(fifty five) days.</td>
</tr>
<tr>
<td>Earnest Money Deposit</td>
<td>Rs. 50,000/- (Rupees Fifty Thousand only)</td>
</tr>
<tr>
<td>Cost of Tender document</td>
<td>Rs. 200/- (Rupees Two Hundred Only) deposit through SBI Collect Challan.</td>
</tr>
<tr>
<td>Total Estimated Cost (with Service tax@15%)</td>
<td>Approx. Rs. 19,50,000/-</td>
</tr>
<tr>
<td>Issue Date of Tender Document</td>
<td>19.10.2016</td>
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<tr>
<td>Closing Of Sale of Tender Document</td>
<td>17.11.2016</td>
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<tr>
<td>Last date of receiving of Completed Tender</td>
<td>18.11.2016 Up to 15:00 hrs. (IST)</td>
</tr>
<tr>
<td>Tender Opening (Techno-commercial) Part-1.</td>
<td>At 15:30 hrs. (IST) on 18.11.2016</td>
</tr>
</tbody>
</table>

1. Pre-qualification criteria:
   The bidder should have copy of valid boiler repairer certificate (form-XVIII) in class-II/class-III as per IBR regulation and recognized as a repairer from competent authority (IBR authority Jharkhand Govt.). They have to submit documentary certification from competent authority along with offer.
   If the offers are not enclosed with the said documentary evidence then quotes for mentioned work shall not be considered.

2. This is a two parts Tender – Full details, terms & conditions & other specification of work will be available in the tender document, which can be obtained from the office of the Manager. (Pers.), Jaduguda on submission of UCIL’s copy of online receipt of tender fee through SBI Collect Challan on all working days except Sunday & Holiday between 9.30 AM to 11.30 AM & 2.30 PM to 4.30 PM from 19.10.2016 to 17.11.2016 on written request letter along with income tax, service tax registration and required credentials mentioned above for pre-qualification criteria. The successful tenderer shall have to comply with provisions of contract labour (Regulation & Abolition) Act, 1970 and EPF & MP Act, 1952 and rules framed thereunder. The Corporation reserves the right to accept or reject any or all tenders either in full or part or to split up the work, if necessary without assigning any reasons therefore. The tender document for the above tender shall also be available in UCIL website http://uraniumcorp.in/ from where the tenderer may download the tender document, in which case, they will have to deposit cost of tender document through SBI Collect Challan and submit UCIL’s copy of online receipt of tender document fee through SBI Collect Challan along with bid documents. Format of Challan is enclosed with NIT.

3. Tenders without Boiler Repairer Certificate form-XVIII) in class-II/class-III as per IBR regulation and recognized as a repairer from competent authority (IBR authority Jharkhand Govt.) & Service Tax registration, PAN No. etc., will be summarily rejected.

For Information and please depute your representative during tender opening

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IMPORTANT INSTRUCTIONS

1. By submitting a tender for the work, a tenderer will be deemed to have satisfied him 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 condition. Please refer enclosed general condition of contract also.

2. List of documents to be submitted in Part-I (Techno-commercial Bid and EMD)
   a) Tenderer covering letter in duplicate.
   b) Document showing deposit of Earnest Money.
   c) Valid boiler repairer certificate (form-XVIII) in class-II/class-III as per IBR regulation.
   d) COPY of deposit cost of tender document through SBI Challan.
   e) Signed NIT documents.
   f) List of Tool, Tackles, lifting equipment and welding machines proposed to be deployed at the site.
   g) Balance sheets/ I.T. clearance certificate for the last three financial years.
   h) The tenderer shall furnish the details such as the latest position of experience (List of project/order, scope & value, status of work) present commitment (List of order, location, and value of order, percent completed, date of start, expected date of completion etc.)

3. List of documents to be submitted in part-II (Price Bid)
   (a) Tender’s covering letter in duplicate.
   (b) Filled in prices/rates in triplicate.
   (c) Any other document as deemed necessary.

4. Award of Contract-
The acceptance of the tender and award of contract to one or more than one tenderer, if considered necessary, rest with UCIL. It shall not be obligatory on part of UCIL to accept the lowest tender. The purchaser would be at liberty to accept any tender, lowest or otherwise, in whole or in part and to reject any or all the tenders received without assigning any reasons, and no explanation can be demanded from him by any tenderer in respect thereof.
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 Incharge after commencement of work under this contract. Security Deposit will be refunded on written request in duplicate to the Engineer Incharge 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 Incharge, 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 Incharge, 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-Incharge 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 suitable stores at his own cost for safe keeping of materials as per instruction of the Engineer Incharge -UCIL, if required or UCIL will provide the same subject to availability.

10. 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-Incharge, UCIL.
11. 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 Incharge, 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 Incharge, UCIL. Corporation have the right to retain the final bill till site clearance is completed.

12. 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 Incharge, 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.

13. Tax & Duties :-The quoted rate(s) should be taken up as final rate including all statutory levies and all Govt. taxes but excluding of the Service tax. Service tax shall be paid extra, as per Govt. rules, if applicable. Firm has to submit service tax certificate for claiming the service tax. 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 out rightly rejected. No escalation on any account shall be payable and price quoted shall be firm till completion of the work under this contract.

14. 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.

15. 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.

16. Labour Acts & Rules :- The contractor shall (in respect of labourers employed by him) strictly comply with provisions of the following Act & Rules made there under in regard to all matters provided therein or any modifications thereof or any other law relating thereto from time to time.

18. Payment of wages Act-1936
19. Employees Liability Act,1938
20. Industrial Dispute Act,1947
21. Minimum Wages Act,1948
22. Employees State Insurance Act,1948
23. Mines Act, 1952
24. EPF & MP Act, 1952
25. Maternity Benefit Act, 1961
27. Inter-State Migrant Workmen (Regulation of Employment and Conditions of Service) Act, 1979
28. All statutory provisions of Atomic Energy Regulatory Board
29. 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.XXX in the first week of January every year (Format to be obtained from Site Office - Mill) to the Engineer Incharge- UCIL as statutory requirement for onward transmission to the Competent Authority, Govt. of India, Ministry of Labour, Jharkhand.
30. Labour Employment Conditions for executing work: - As given in clauses 1 to 13 in Annexure-A.
31. Work Measurement & Inspection / Work Instructions :- It is to be done jointly as per schedule of items & scope of work etc. by the Engineer-Incharge, 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 Incharge-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 Incharge, UCIL will be final. Contractor will submit copy of weighment cards, slips, material gate passes etc. to the Engineer Incharge 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 Incharge, UCIL shall inspect the site, tools & tackles of the contractor and detailed work instructions will also be given by the Engineer - Incharge, UCIL.
32. 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.
33. 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 of 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.
34. 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.
35. 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 these 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.

36. 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 disqualifies 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.

37. 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), zerox 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).

38. 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 outrightly rejected.

39. 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.

40. Deviation:- Any deviation from the tender shall be clearly mentioned in the Part–I (Techno Commercial Bid) under the heading “Deviation”.

41. 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).
42. **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.

43. **Documents not transferable:** - Tender documents are not transferable. These tender documents are the property of corporation. Contractor shall keep one copy of these documents at site in good condition for inspection and use by the Engineer Incharge, 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.

44. **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 up to the total variation of ± 10 % of the awarded value. The other terms & conditions and rate(s) shall remain firm within this limit.

45. **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.

46. **Muster Roll:** - The contractor has to submit a copy of the muster roll every week to the Engineer Incharge / Site Incharge, 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 Incharge-UCIL.

47. **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-Incharge, UCIL. During the above period, the contractor will be in touch with the Engineer Incharge- 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.

48. **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”.

49. **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.

50. **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.

51. **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.
52. **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.

53. **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-Incharge before the expiry of the guarantee period.

54. **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.
Scope of Work

Subject: Repairing of boiler Capacity-5000kg/hr., Make- Walchandnagar Industries Ltd., at UCIL Jaduguda.

Repair work for Package Boiler Make - Walchandnager Industries Ltd. Capacity-5000kg/hr., permissible working pressure -10.9Kg/cm2, total heating surface area=144.0m2. The UCIL operating and inspection engineers, after inspection with Boiler Inspector Jamshedpur area, have establish the nature and amount of repair required to return the boiler to normal operation. All repair work in pressure part should have the approval of the concerned (IBR) statutory authorities. After the approval, pressure part repair work has to undertake only with qualified welder. The drawings and design documents should be referred to confirm the material of construction, tube sizes and edge preparation etc. before start of the repair work. The approved contractor has to carry out following repair work to boiler with certification as follows:

1. Contractor will make all the drawings required for the fabrication of the tube replacement, repair or replacement of parts as per requirement and get all the drawings approved from CIB, Jharkhand. Approval of all work from CIB Jharkhand will be in party scope.

   DRAWINGS: As appropriate, drawings shall be prepared to describe the repair. Drawings shall include sufficient information to satisfactorily perform the repair. Following review and certification, the repair plan shall be submitted for acceptance to the Authorized Inspection Agency/CIB Jharkhand and make the acceptance inspection and sign.

2. Replacement of all corroded/Thinned and leaky smoke tubes of boiler including the cutting, removing, ramming, grinding, expanding and welding of tubes as per IBR.

   2.1 Supply of carbon steel tube Specification’s BS3059 GR.320 ERW, IBR Certified, OD=63.5 mm, ID=56.20 mm. of two different lengths = 5.5m and 5m.

   2.2 Tube should be as per BS-3059 pt-1 Gr.320 and make: Tata/SAIL only are acceptable with certificate in form IV A.

   2.3 Drilling of boiler plate by only manual clamping and cutter method is used for removing old welding of boiler tube.

   2.4 Welding, grinding, ramming of all oval shape tube holes.

   2.5 Cleaning of tubes ends to bright metal, inside and outside for at least 40mm from weld area and removing of all deposits of oxide, boiler water salts and slags to avoid gas and slag inclusions in the weld.

   2.6 Cutting of new tubes in proper size and annealing of both end of tube.(Important: projection of tube from tube sheet is max. 3.5mm)

   2.7 V making in all holes of tube by high speed cutting tools. (Important: depth of v-groove for tube sheet is 6mm to 3.5mm)

   2.8 Fitting, expanding of both ends of tube in boiler plate.
2.9 Tubes should be butt welded by fusion welding and these tested hydraulically at discretion of the Boiler Inspector.

2.10 Tubes to be seal welded provided the ends of the tubes have sufficient wall thickness to prevent burn through. Seal welding shall be applied with a maximum of three light layers in lieu of one or two heavy layers. Seal welding shall not be considered a strength weld.

2.11 During fabrication of the tubes, contractor will arrange the inspection of the tubes by the CIB, Jharkhand before fitting, if required so.

2.12 You will carry-out all the allied jobs related to the retubing of the boiler, like chemical cleaning & hydro test etc.

2.13 Total nos. of tubes to be replaced in second pass of boiler of size OD63.5mm x 3.65mm thk. X 5.5m = 29nos.

2.14 Total nos. of tubes to be replaced in second pass of boiler of size OD63.5mm x 3.65mm thk. X 5.0m = 32nos.

Unit of Measurement (UOM) = no. of tubes basis.

3. Defect Repair of rear plate for reversal chamber by inserting new plate along with stay bars as per guidelines of repair method by IBR.

3.1 Supply of carbon steel plate Specification’s ASTM A516 GR70 OR IS: 2041/ IS: 2100. IBR Certified, thickness = 18mm. Size=1597mm x 903mm.

3.2 Preparation of sheet by making of stay bar hole and edge preparation by grinding.

3.3 Cutting and removing of furnace burner side plate for smooth execution of jobs and refitting the same by v-groove making, grinding and welding as specified.

3.4 A bulge on a plate shall be investigated to determine the extent of damage to the plate prior to repair.

3.5 The defective material to be removed until sound material is reached. The patch should be rolled or pressed to the proper shape or curvature. The edges should align without overlap.

3.6 Welding of new sheet as per specified welding method.

3.7 Performing all other related work required to carry out the work described above, but not specifically listed;

Unit of Measurement (UOM) = lump-sum basis.

4. Defect Repair of reversal chamber shell portion by inserting new plate (flush plate) as per guidelines of repair method by IBR.

4.1 Supply of carbon steel plate Specification’s ASTM A516 GR70 OR IS: 2041/ IS: 2100. IBR Certified, thickness = 18mm. Size=500mm x 500mm.

4.2 Preparation of sheet by edge preparation.

4.3 A bulge on a plate shall be investigated to determine the extent of damage to the plate prior to repair.

4.4 The defective material to be removed until sound material is reached.
4.5 The patch should be rolled or pressed to the proper shape or curvature. The edges should align without overlap.

4.6 Welding of new sheet as per specified welding method.

4.7 Performing all other related work required to carry out the work described above, but not specifically listed;

Unit of Measurement (UOM) = lump-sum basis.

5. **Replacement of damaged man-hole sheet along with its flange as per guidelines of repair method by IBR.**

5.1 Supply of carbon steel plate Specification’s ASTM A516 GR70 OR IS: 2041/ IS: 2100. IBR Certified, thickness = 16mm. Size=1600mm x 500mm.

5.2 Preparation of sheet by edge preparation.

5.3 A bulge on a plate shall be investigated to determine the extent of damage to the plate prior to repair.

5.4 The defective material to be removed until sound material is reached.

5.5 The patch should be rolled or pressed to the proper shape or curvature. The edges should align without overlap.

5.6 Welding of new sheet as per specified welding method.

5.7 Performing all other related work required to carry out the work described above, but not specifically listed;

Unit of Measurement (UOM) = lump-sum basis

6. **Repairing of bulge blowing hoop portion by suitable method and as per guidelines of repair method by IBR.**

6.1 Supply of carbon steel plate Specification’s ASTM A516 GR70 OR IS: 2041/ IS: 2100. IBR Certified, thickness = 18mm. Size=suitable size to be decided after the inspection and judgement of CIB.

6.2 **The amount of the bulging to be measured:**
   i. if the depth of the bulge does not exceed 50% of plate thickness, then no further activity is required. (If ultrasonic thickness testing is performed, then it is performed on a tight (1-inch) grid to determine any thinning throughout the deformation). Press back and metal building method to be used
   ii. If the depth of the bulge exceeds the thickness of the plate, then repair is required. Replacement by repair method is required.

6.3 **The following guidelines apply where repair is required.**
   i. Plate may only be repaired using a flush patch, in accordance with IBR guidelines or insertion of new plate of proper shape as per IBR figure for blowing hoop.
   ii. Where a deformation is to be repaired, all portions of that deformity shall be repaired. For example, for contiguous bulging where only
some bulge. The entire bulged area shall be repaired. Unrelated bulges separated by non-deformed plate shall be independently evaluated.

6.4 Preparation of sheet by edge preparation.

6.5 The defective material to be removed until sound material is reached.

6.6 The patch should be rolled or pressed to the proper shape or curvature. The edges should align without overlap.

6.7 Welding of new sheet as per specified welding method.

6.8 Performing all other related work required to carry out the work described above, but not specifically listed;

Unit of Measurement (UOM) = lump-sum basis

7. **Chemical & mechanical Cleaning of boiler:** method of removing hydroxyapatite and other phosphate scales from boilers, and other equipment, comprising the steps of:

(a) Soaking the scale in an inhibited solution of from about 0.1% to about 10% sulfuric acid to thereby form a sulfate;

(b) Treating the sulfate formed by the action of the sulfuric acid on the scale with a solution selected from the group consisting of water soluble hydroxides (Sodium Hydroxide),

(c) Soaking the product formed by the previous step with an inhibited solution of about 5% to about 15% hydrochloric acid, thereby forming a water soluble salt of said hydrochloric acid & followed by solution of tri-sodium phosphate.

Unit of Measurement (UOM) = lump-sum basis

8. Contractor will arrange suitable quantity of **20-30% concentrated hydrochloric acid & inhibited solution** with arrangement for tool & tackles for chemical and mechanical cleaning of boiler for both fire and water side along with circulation pump & suitable length hose & control valve.

9. All repair work shall be carried out under the supervision/guidance of Boiler Inspector and all repair should be satisfy the Boiler Inspector.

10. The electric arc or oxy-acetylene welding sets and all other tools in contractor possession for carrying out repair are suitable for the work undertaken.

11. All tools –tackles and consumable items unless specifically mentioned in UCIL scope- like **DC welding set (Rectifier)** with adequate cable length suitable for working in boiler, electrode, DA & Oxygen etc. are in contractor scope.

12. **Welding electrode specification:** E7018- H8. (2.5mm & 3.15mm)

13. The quality of material used conforms to the specifications that are prescribed.

14. Welders employed by him possess certificate issued as required under Chapter XIII of these regulation.

15. **Welding method:**
1. The minimum preheat temperature for welding shall be 350°F (175°C) and the maximum interpass temperature shall be 450°F (230°C); The preheat temperature shall be checked to assure that 4 in. (100 mm) of the material or four times the material thickness (whichever is greater) on each side of the groove (or full thickness of joint for a groove weld) is maintained at the minimum temperature during welding. When the weld does not penetrate through the full thickness of the material, the minimum preheat and maximum interpass temperature need only be maintained for 4 in. (100 mm) or four times the depth of the repair weld (whichever is greater) on each side of the joint.

2. The welding technique shall be a controlled-deposition temper bead technique and shall include a buttering layer deposited over the entire groove faces (or fillet leg faces) using a 3/32 in. (2.5 mm) diameter electrode. The buttering layer shall be deposited using stringer beads with an overlap of approximately 50%. The second and remaining layers shall be deposited over the buttering layer using a 3/32 in. (2.5 mm) or 1/8 in. (3 mm) diameter electrode for SMAW.

3. After completion of welding and without allowing the weldment to cool below the minimum preheat temperature, the temperature of the weldment shall be raised to a temperature of 450°F (230°C) minimum for a minimum period of two hours. This hydrogen bake-out treatment may be omitted provided the electrode used is classified by the filler metal specification with an optional supplemental diffusible-hydrogen designator of H4 (e.g., E7018-H4).

4. After the finished repair weld has cooled to ambient temperature, the final temper bead reinforcement layer shall be removed substantially flush with the surface of the base material.

16. Standard of work should be of high order and comply with all the requirements and test may prescribed by Chief Inspector/Boiler Inspector.

17. Disposal off site of all components removed in accordance with environmental standards and clean-up of the site during and after the work.

18. **Liquid penetration test:**

1. A pressure test as required by the original code of construction shall be conducted. The test pressure shall not exceed 150% of the maximum allowable working pressure (MAWP) stamped on the pressure-retaining item, as adjusted for temperature. When the original test pressure included consideration of corrosion allowance, the test pressure may be further adjusted based on the remaining corrosion allowance. The pressure test for replacement parts may be performed at the point of manufacture or point of installation.

2. Hold-time for the pressure test shall be a minimum of 10 minutes prior to examination by the Inspector. The test pressure shall be reduced to the MAWP for close examination by the Inspector. Hold-time for close examination shall be as necessary for the Inspector to conduct the examination.
19. **Utility supply by UCIL (Power, Water, Steam, Air only)**
   - Responsibility of UCIL will be of providing 3 phase /single phase power at one point. The contractor has to make his own arrangement to use the same at work site by extending cables etc. as per requirement.
   - Service air, service water and steam shall be provided to be the contractor free of cost at one point. The contractor has to make his own arrangement to use the same at work site by extending pipelines, etc. as per requirement.
   - UCIL will provide necessary amount of sulphuric acid, tri-sodium phosphate and sodium hydroxide for chemical cleaning on condition of availability.

20. **Completion time:** The work shall be executed strictly as per time Schedule given in Tender Document. The period of completion given includes the time required for mobilization as well as Testing, rectifications, if any, re-testing and completion in all respects to the entire satisfaction of the Engineer-in-Charge.

   **THE CONTRACT PERIOD IS 55 (FIFTY FIVE) DAYS FROM THE DATE OF AWARD OF CONTRACT.**

21. **Tools, tackles, machines and Material:** All the required tools, tackles, rectifier or generator, grinder, dye-penetrant kit, expander, measuring instrument and other materials required to complete the above work are to be arranged by you at your own cost.

22. **Transportation, handling and storage of materials and tools/machines etc:** You will have to arrange for the transportation (including loading & unloading), handling and storage of all your tools, tackles, pumps and chemicals etc. at your own cost.

23. **Rate:** Please submit your rates for the aforesaid job of chemical cleaning on lump sum basis for each boiler. The tenderer should mention their price/item rates in figures as well as in words. Price quoted shall be firm till completion of the work and no escalation on any account shall also be payable under this contract. The rates shall be inclusive of all taxes and duties including service tax, if applicable.

24. **Taxes: Service Tax- extra as applicable.** The quoted rate shall be inclusive all statutory levies and all other Govt. taxes but excluding of the Service tax. Service tax shall be paid extra, as per Govt. rules, if applicable. Firm has to submit service tax certificate for claiming the service tax. Imposition of any new taxes/duties by the State Govt. of Central Govt. during the contract execution period will also be paid by the contractor. Hence, no other taxes and duties would be paid extra.

25. **Terms of payment:** The payment shall be released as below
   (a) No advance payment is permissible.
   (b) **20%** (Twenty per cent) on after successful completion of Chemical cleaning, dismantling work of tubes & deformed part of boiler and after getting approved plan of boiler repairing from CIB, Jharkhand.
   (c) **20%** (Twenty per cent) on after successful completion of supply of all material and fitting and alignment of new plate in deformed area & tubes of boiler.
(d) 50% (Fifty per cent) on completion of all fabrication work, repairing work of boiler, Testing, trial run and certification of repaired boiler by boiler inspector.
(e) Remaining 10% (Ten percent) (including EMD deposited with the tender shall be adjusted towards security deposit) on successful completion of Defect Liability Period as per tender requirement.

26. DEFECT LIABILITY PERIOD: The contractor has to stand guarantee for the maintenance jobs done by him against bad workmanship for a period of six (6) months from the date of completion of job. If any defect or damages are noticed as a result of poor workmanship during the defect liability period, the same has to be rectified by the contractor free of cost.

27. Validity: The offer should remain valid for a minimum period of ‘three months’ from the date of opening of the final price part. The bidder shall not be allowed to amend his tender within this period and if he does so the offer may be rejected.

28. Insurance: The contractor shall insure and maintain insurance against his liability for accident or injury to workmen or machineries used for the work and shall submit ‘two copies’ of the policy and the receipts of premiums paid or satisfactory evidence of insurance coverage valid for three months contract period at a time for all the persons to be engaged at their cost to the Engineer-In-Charge, UCIL before the commencement of the work. The contractor will not be allowed to carry out any activity without necessary insurance coverage of their persons. Insurance policy shall also indemnify UCIL against any claim raised by the injured/affected workmen or his family.

29. Indemnity: Contractor will fully indemnify the Corporation against all responsibility and liability whatsoever arising out of accident/injury to contractor’s workmen, third party or to Corporation’s personnel and properties.

30. Safety: Contractor will take full safety measures and arrange the necessary safety gadgets/appliances, tools and tackles, helmet, gumboot, safety belt, goggles, gloves, apron, ladders, bamboos, ropes, machineries, scaffolding etc. required for the work by their own so as to ensure that no damage, loss or injury to Corporation’s personnel, contractor’s personnel, third party or equipment are caused due to the work being carried out by contractor. UCIL shall not provide any safety appliances under any circumstances. The contractor shall be fully responsible for any first aid and emergency treatment or serious medical treatment to his employees. Contractor shall have to bring all their labourers for necessary training in Mill Training Center for two hours before actual commencement of the work. UCIL will provide medical facility on chargeable basis.

31. 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. 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.

32. **Security deposit:**

(a) **Security deposit shall be 10% of order value.** You will deposit an amount of 5% of order value (including earnest money already deposited) before starting the work at site. Balance 5% will be deducted from your bill so that the security deposit becomes 10% of the order value.

(b) No interest shall be payable by the Company to the contractor for the amount of Security deposit.

(c) Security Deposit will be refunded on written request in duplicate to the Engineer-in-charge after satisfactory completion of **Defect Liability Period.** Failure to carry out the awarded work shall entail forfeiture of the earnest money and security money entirely.
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 to the satisfaction of the Engineer – Incharge. 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–Incharge, 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–Incharge 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 thereunder in regard to all matters provided therein.


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 Incharge 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 Incharge 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 thereunder 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 Incharge 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.
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 employs 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.

5. 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 – Incharge, location and telephone no. where he can be reached.

6. 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 - 2)

7. 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.

8. 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.

9. Prime contractor reports shall include the man days lost and occurrence of accident under the jurisdiction of the Sub -Contractors.

10. 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 chance, 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.
(APPENDIX – 2)

(FORM – A)

ACCIDENT INVESTIGATION REPORTS

Name of contractor and project : 

Nature of contract : 

Name of Engineer Incharge : 

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. Safety representative’s remarks with signature and date : 

Page 26 of 29
(APPENDIX – 3 )

(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 – Incharge
cc: Safety officer, Jaduguda Mill
<table>
<thead>
<tr>
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<th>Uranium Corporation of India Ltd</th>
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<td><strong>UCIL Copy</strong></td>
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**Important instructions**

1. Candidate should deposit the fees at any SBI branch.
2. Advertisement No./ NIT No. should be fed into CBS screen under Registration/Ref No..
3. Bank charges of Rs 50/- to be taken separately and deposit to their commission account.
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<th>Sl. No.</th>
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<th>Unit</th>
<th>Qty.</th>
<th>Unit Rate* (Rs. in figure)</th>
<th>Amount (Rs. In figure)</th>
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<tbody>
<tr>
<td>1.</td>
<td>Replacement of all corroded/Thinned and leaky smoke tubes of boiler including</td>
<td>No.</td>
<td>61</td>
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<td>the cutting, removing, ramming, grinding, expanding and welding of tubes as</td>
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<td>per IBR. Total nos. of tubes to be replaced in second pass of boiler of size</td>
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<td>OD63.5mm x 3.65mm thk. X 5.5m = 29nos. Total nos. of tubes to be replaced in</td>
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<td>second pass of boiler of size OD63.5mm x 3.65mm thk. X 5.0m = 32nos.</td>
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<td>2.</td>
<td>Defect Repair of rear plate for reversal chamber by inserting new plate along</td>
<td>Lump-sum</td>
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<td></td>
<td>with stay bars as per guidelines of repair method by IBR. Scope of work sl No.3</td>
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<td>3.</td>
<td>Defect Repair of reversal chamber shell portion by inserting new plate (flush</td>
<td>Lump-sum</td>
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<td></td>
<td>plate) as per guidelines of repair method by IBR. Scope of work sl no.4</td>
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<td>4.</td>
<td>Replacement of damaged man-hole sheet along with its flange as per guidelines</td>
<td>Lump-sum</td>
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<td>of repair method by IBR. Scope of work sl no.5</td>
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<td>5.</td>
<td>Repairing of bulge blowing hoop portion by suitable method and as per</td>
<td>Lump-sum</td>
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<td></td>
<td>guidelines of repair method by IBR. Scope of work sl no.6</td>
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<td>6.</td>
<td>Chemical &amp; mechanical Cleaning of boiler, scope of work sl no.7</td>
<td>Lump-sum</td>
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Total=Rs.  
Discount if, any  
Total Cost = Rs.  

Total Amount in word Rupees

SIGNATURE OF TENDERER:  
NAME: ____________________________  
SEAL: ____________________________

Note: -  
(1) This rate will be taken up as final rate including all statutory levies and all other Govt. taxes but excluding of the Service tax  
(2) Service tax shall be paid extra, as per Govt. rules, if applicable. Firm has to submit service tax certificate for claiming the service tax.  
(2) Submission of renewed boiler operation certificate, from Chief Inspector / inspector of boilers, Govt. of Jharkhand, with validity of one year from the date of issue is in bidder’s scope of work.