

**URANIUM CORPORATION OF INDIA LIMITED**  
(A Government of India Enterprise)  
Department of Atomic Energy  
CIN: U 12000 JH 1967 GOI 000806

*TENDER DOCUMENT*

*OF*

*N.I.T. NO. TMD/MIN/ELECT-75*

**Electrical Works for Proposed New Main Gate and Parking at Turamdih**

**Note: Conditional Tender may be rejected**

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**CONTENTS**

<b>CHAPTERS</b>	<b>Page No. in Tender Document</b>
Notice Inviting Tenders (NIT)	03-05
Instructions to Bidders (ITB)	06-13
General Conditions of Contract (GCC)	14-35
Special Conditions of Contract (SCC)	36-40
Technical Specifications	41-54
Forms of Bid	55-70
Bill of Quantities	71-74
Standard Formats: Bid Security, Performance Security, Advance Payment Security, Form of Agreement	75-80
Schedules for Supplementary Information	81-96
Documents to be furnished by the bidder	97

**Note: Total No. of pages: 97 Nos.**

यूरोनियम कॉर्पोरेशन ऑफ इंडिया लिमिटेड  
 (भारत सरकार का संस्थान)  
 परमाणु ऊर्जा विभाग  
 CIN: U 12000 JH 1967 GOI 000806

त्रांक सं.:युसिल/तुरामडीह खान/२०२६-०१

दिनांक : ०६/०१/२०२६

निविदा आमंत्रण सूचना सं.:TMD/MIN/ELECT-75

निम्नलिखित कार्य के लिये ई-निविदा आमंत्रित किये जाते हैं:

१	कार्य का नाम	Electrical Works for Proposed New Main Gate and Parking at Turamdih
२	अग्रधन की राशि	Rs 18281/-
३	निविदा की राशि	Rs 1828090/- (Inclusive of GST)
४	परिमाण विपत्र का मूल्य	Rs. 500/-
५	कार्य की अवधि	06 (Six) months
६	निविदा डाउनलोड करने की प्रारंभ तिथि	07/01/2026
७	निविदा डाउनलोड करने की अंतिम तिथि और समय	29/01/2026 up to 3:00 P.M.
८	निविदा जमा करने की प्रारंभ तिथि और समय	07/01/2026 from 09:00 A.M.
९	निविदा जमा करने की अंतिम तिथि और समय	29/01/2026 up to 3:30 P.M.
१०	निविदा खोलने की तिथि और समय	30/01/2026 at 3:30 P.M.
११	पी.क्यु.सी. और अग्रधन की हार्ड कॉपी खोलने की तिथि और समय	30/01/2026 at 3:30 P.M.

विस्तृत जानकारी के लिये निविदा दस्तावेज वेबसाइट <https://ucil.gov.in> में देखा जा सकता है।

कृते  
 यूरोनियम कॉर्पोरेशन ऑफ इंडिया लिमिटेड

हॉ/-  
 अधीक्षक (विद्युत)  
 तुरामडीह खान

## **1).ELIGIBILITY CRITERIA FOR THE BIDDERS**

1. The bidder should possess a valid electrical contractor license issued by the state licensing board and engage adequate number of competent Electrical personnel. The bidder should upload with the bid copy of valid Electrical Contractor License Issued by the state licensing board. An electrical contractor having license issued by any State Government or Union Territory administration shall not require license from other State Government in which the works are to be executed.
2. A firm determined non-performing/ debarred/ blacklisted by U.C.I.L. shall not be eligible to bid during the period so determined.
3. **GEOGRAPHIC PRESENCE:** Registered Office or at least one of the registered Branch Office of the bidder shall be located and registered within the geographical limits of Jharkhand State (where the services need to be provided). Documentary evidence must be provided in the form of Municipality trade license or other such documents as per the following which satisfies as a proof of having the office establishment.
  - i. Landline telephone bill (in the name of the firm)/ Electricity bill (in the name of the firm) of public & approved private operators in the state. (Bills not to be older than 4 months ); or
  - ii. Property ownership deed i.e. Title deeds of the property in the name of the firm duly stamped and registered; or
  - iii. GSTIN Registration issued in the name of the firm; Or
  - iv. Latest property tax or water tax paid receipt / bill raised in the name of the firm; Or
  - v. Existing Bank account statement or passbook of a PSU bank in the name of the firm. Statement not older than 4 months; Or
  - vi. Registration certificate/license issued by Municipal authorities such as Shop & Establishment certificate / Trade License; Or
  - vii. Registration certificate of recognized Provident Fund with PF commissioner; Or
  - viii. Electrical Contractor License issued by the licensing board clearly mentioning the name of the firm and address.
  - ix. MSME Certificate issued in the name of firm

**The bidders who fulfill the above eligibility criteria shall only be considered for POC and Technical evaluation.**

## **2).PRE-QUALIFICATION CRITERIA FOR THE BIDDERS**

- i) The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year should be at least Rs 548427/-.
- ii) Experience of having successfully completed **similar works** during last 07 years ending last day of month previous to the one in which applications are invited should be either of the following:
  - a) One similar completed works costing not less than the amount equal to Rs. 1462472/-  
Or
  - b) Two similar completed works each costing not less than the amount equal to Rs. 914045 /-  
Or
  - c) Three similar completed works each costing not less than the amount equal to Rs 731236/-
- iii) **“Similar work”** means “experience in house wiring, cable laying and termination OR electrical equipment installation/ maintenance OR street light maintenance/ feeder pillar maintenance OR substation installations and commissioning/ maintenance OR pumping station maintenance OR manpower supply for electrical work or any kind of electrical maintenance work” in any Central/State Govt. Organization/PSU/Public Listed Company.

## **3).List of scanned documents to be uploaded with the bid**

- a) Scanned copy of instrument for Earnest Money Deposit/ valid exemption certificate (if any).
- b) Scanned copy of PAN
- c) Scanned copy of valid EPF, ESI, GSTN
- d) Scanned Copy of cancelled cheque

- e) Documentary evidence in support of past experience of the Bidder in similar nature of completed job in any Central/ State Govt Organization/ PSU/Public Listed Company.
- f) Documentary evidence in support of average turnover.
- g) Documentary Evidence in support of at least one (01) income-tax return filed during the last three years ending on 31st March of the previous financial year
- h) Documentary evidence of Geographic Presence
- i) Undertaking that if the information/ declaration/ scanned documents furnished in respect of eligibility criteria are found to be wrong or misleading at any stage, they will be liable to punitive action.
- j) Undertaking (Format given in Forms Section), to the effect that the bidder will not provide any gift and/ or influence any employee of the company in connection with securing any decision in its favour.
- k) Copy of Valid Electrical Contractor License Issued by the state licensing board
- l) Scanned Copy of Signed and Stamped Pre Contract Integrity Pact (Attached with this bid)

**4). DOCUMENTARY EVIDENCE IN SUPPORT OF PAST EXPERIENCE CRITERIA:** - In support of the claim of meeting this experience criterion, bidder must submit following documentary proof: -

- a) Copy of work order of similar work in any organisation clearly mentioning nature of work/ Service, various components/ Items, period and value.
- b) Copy of completion/ execution/ client certificate issued by end user/ owner clearly mentioning reference to relevant work order, actual value of executed work and actual date of completion.

**Note:** - The work experience of the bidder for those works only shall be considered for evaluation purpose, which is completed before the last day of month previous to the one in which applications are invited. Hence, the works which are incomplete/ ongoing, as on the last date of the month previous to the one in which applications are invited, shall not be considered against eligibility.

In case the work is started prior to the eligibility period of 7 (SEVEN) years (counted backwards starting from the last date of the month previous to the one in which applications are invited and completed within the said eligibility period of 7 years, then the year of experience of the work within the said eligibility period shall be only considered against the eligibility. For calculating the eligibility criteria in such a case the value of work shall be taken on pro-rata basis.

**5).DOCUMENTARY EVIDENCE IN SUPPORT OF TURNOVER CRITERIA:** - In support of the claim of meeting this turnover criterion, bidder must submit following documentary proof : -

- a. Certificate of turnover issued by Chartered Accountant for last three financial years i.e 2022-23, 2023- 24, 2024-25; Or
- b. P&L Statement for last three financial years i.e. 2022-23, 2023- 24, 2024-25

**Note:** - If the bidder doesn't submit the P&L Statement/ Chartered Accountant Statement for Turnover for all the three years given above, and asking for the non-submitted P&L Statement/ Chartered Accountant Statement for Turnover doesn't fall under the conditions of para 7.3.5 on (Clarification of Bids/ Shortfall Documents) of the Manual for Procurement of Goods 2017 issued by Ministry of Finance, department of Expenditure, in that situation the turnover shall be taken as zero for the years for which the P&L Statement/ Chartered Accountant Statement has not been submitted by the bidder and average shall be calculated based on the submitted P&L Statements/ Chartered Accountant Statement for calculating the eligibility.

**6).FINANCIAL STANDING:** Bidder must have been an income-tax assesses, and bidder has filed at least its one (01) income-tax return during the last three years ending on 31st March of the previous financial year [e.g. FY 2024-25 (AY 2025-26), FY 2023-24 (AY 2024-25), FY 2022-23 (AY 2023-24)]. Documents/ Documentary evidence of filled ITRs to be provided by participating bidder to qualify/ meet the financial requirements of tender document.

**7).Any bid not complying Eligibility and PQC requirements may be rejected.**

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**INSTRUCTIONS TO BIDDERS (ITB)**

1. Two Part Public Tender shall be hosted at UCIL e-proc website <https://etenders.gov.in/eprocure/app>.. The tenderers shall be required to submit the bids in two parts. Part – 1:- Documents related to eligibility criteria (PQC) along with Techno-commercial bid. Part – 2:- Financial bid.
2. **Registration of bidders on portal:** - In order to submit the bid, bidders have to register themselves online, as a one-time activity, on the e-procurement portal with a valid DSC. The registration should be in the name of the bidder, whereas DSC holder may be either the bidder himself or a duly authorised person. The bidders will have to accept, unconditionally, the online user portal agreement which contains all the terms and conditions of NIT including commercial and general terms and conditions and other conditions, if any, along with an online undertaking in support of the authenticity of the declarations regarding facts, figures, information and documents furnished by the bidder online.
3. A bidder shall register in advance with their Digital Signature Certificate (DSC) at the site <https://etenders.gov.in/eprocure/app> website prior to submitting their offers. After successful registration the bidder shall get access to the Techno-commercial Part of the NIT. The bidder must submit the Techno-commercial Part at first and upload all the required documents as described in the Pre-Qualification Criteria (PQC) published in this tender document. Only, after successful submission of Techno-commercial Part the bidders shall fill up and submit the Price Part. PQ and Techno-Commercial bid shall be evaluated first by a committee constituted by competent authority and list of successful bidders be finalized. The financial bid of PQ and Techno-commercially eligible bidders shall be opened on recommendation of above committee on a notified date and time after sending advance notice to all such bidders. No additional eligibility documents shall be entertained after the receipt of bid but clarifications if so required as per the techno commercial evaluation can be obtained from the bidders.
4. The EMD and documents supporting exemption from such payments should be submitted in paper form to the office of Manager, (Personnel), Turamdhil Mine but scanned copies are to be uploaded – without which the bid may not get opened.
5. The bid shall remain valid for normally 90 (ninety) days. In exceptional circumstances, the consent of the bidder may be requested in writing for an extension to the period of bid validity. The bid security provided shall also be suitably extended. A bidder accepting the request and granting extension shall not be permitted to modify his bid.
6. **Eligibility and Qualifications of Bidders**
  - a. **Eligibility of Bidders:**-As per “Eligibility Criteria for the bidders” given in N.I.T.
  - b. **Qualification of Bidders:** - As per “Pre-Qualification Criteria for the bidders” given in N.I.T.
7. **Clarification of Tender Documents:-** A prospective bidder requiring clarification on the tender documents may notify the Procuring Entity in writing, well before the due date of submission of bids, and a response shall be sent in writing regarding the clarifications sought prior to the date of opening of the tenders. Copies of the query of any bidder and clarification issued shall be sent to all prospective bidders who have received the tender documents. There shall be no asymmetry of information as regard to any bidder.
8. **Amendment of Tender Documents:** - At any time prior to the date of submission of bids, the Procuring Entity may, whether at his own initiative or in response to a clarification sought by a prospective bidder, amend bid documents by issuing a corrigendum. The corrigendum shall be notified in writing by registered post/ speed post/ courier/ email to all known prospective bidders and shall be published on CPPP/GeM.

9. **Submission of Bids by Bidders:** - The bidders will submit their techno-commercial bids and price bids online. No conditional bid shall be allowed/ accepted. Bidders will have to upload scanned copies of various documents required for eligibility and all other documents as specified in NIT, techno-commercial bid in cover-I, and price bid in cover-II. The bidder will have to give an undertaking online that if the information/ declaration/ scanned documents furnished in respect of eligibility criteria are found to be wrong or misleading at any stage, they will be liable to punitive action. EMD (demand draft/ banker's cheque/ TDR/FDR/DAC) shall be submitted in the electronic format online (by scanning) while uploading the bid. This submission shall mean that EMD is received electronically. However, for the purpose of realization, the bidder shall send the demand draft/ banker's cheque/ TDR/FDR/DAC in original to the office of Manager, (Personnel) Turamdh through by hand so as to reach by the time of tender opening. In case of exemption of EMD, the scanned copy of the document in support of exemption will have to be uploaded by the bidder during bid submission. The bid shall be submitted by the bidder well before the deadline (original or extended as the case may be) for submission (to avoid rush in internet traffic).

**Part 1 Technical Bid:** In e-Procurement, the submission would be online. The documents as given in NIT Prequalification Criteria Clause No. 2 shall be submitted in the Techno-Commercial Bid in Cover-1.

**Part II Financial Bid**

- a. Priced BOQ – duly filled in.

10. **Withdrawal, Substitution and Modification of Tenders:** - The tenderer, after submitting the tender, is permitted to withdraw, substitute or modify the tenders in writing without forfeiture of Bid Security/ EMD up to the date and time of receipt of the tender. Any such request received after the prescribed date and time of receipt of tenders will not be considered. No bid may be withdrawn in the interval between the deadline for submission of bids and expiration of the period of bid validity. Withdrawal of a bid during this period will result in forfeiture of the bidder's bid security (EMD) and other sanctions.

11. **Receipt and Opening of Bids:** - No submission is allowed after the submission deadline. Both the techno-commercial and price bids shall be opened online by the bid openers mentioned at the time of creation of the tender online. In case of opening of the price bid, the date and time of opening shall be uploaded on the portal and shortlisted firms shall also be informed through system generated emails and SMS alerts – after short listing of the techno-commercially acceptable bidders.

12. **Unresponsive Tenders:** - Tenders that do not meet the basic requirements specified in the bid documents shall be treated as unresponsive (both during Techno-commercial evaluation and Financial Evaluation in case of Two Envelope bidding) and ignored. Unresponsive offers may not subsequently be made responsive by correction or withdrawal of the non- conforming stipulation. Some important points on the basis of which a tender may be declared as unresponsive and be ignored during the initial scrutiny are:

- a. The tender is not in the prescribed format
- b. The required EMD has not been provided or exemption from EMD is claimed without acceptable proof of exemption
- c. The bidder is not eligible to participate in the bid as per laid down eligibility criteria (example: the tender enquiry condition says that the bidder has to be a enlisted contractor but the tenderer is not a enlisted contractor);
- d. The bid departs from the essential requirements specified in the bidding document (for example, the tenderer has not agreed to give the required performance security); or
- e. Against a schedule in the list of requirements in the tender enquiry, the tenderer has not quoted for the entire requirement as specified in that schedule (example: in a schedule, it has been stipulated that the tenderer will supply the equipment, install and commission it and also train the Procuring Entity's operators for operating the equipment. The tenderer has, however, quoted only for supply of the equipment).

13. **Consideration of Abnormally Low Bids:** - An Abnormally Low Bid is one in which the Bid price, in combination with other elements of the Bid, appears so low that it raises material concerns as to the capability of the Bidder to perform the contract at the offered price. Procuring Entity may in such cases seek written clarifications from the Bidder, including detailed price analyses of its Bid price in relation to scope, schedule, resource mobilization, allocation of risks and responsibilities, and any other requirements of the bids document. If, after evaluating the price analyses, procuring entity determines

that the Bidder has *substantially failed* to demonstrate its capability to deliver the contract at the offered price, the Procuring Entity may reject the Bid/ Proposal. However it would not be advisable to fix a normative percentage below the estimated cost, which would automatically be considered as an abnormally low bid.

14. **Handling Dissent among Tender Committee:** - In cases where it is not possible to come to a consensus and differences persist amongst TC members, the reasons for dissent of a member shall be recorded in a balanced manner along with the majority's views on the dissent note. The final recommendations shall be that of the majority view. Competent Authority can overrule such dissent notes after recording reasons for doing so clearly. His decision would be final.  
In cases where the Competent Authority does not agree with the majority or unanimous recommendations of the TC, he shall record his views and, if possible, firstly send it back to TC to reconsider along the lines of the tender accepting authority's views. However, if the TC, after considering the views of the Competent Authority, sticks to its own earlier recommendations, the tender accepting authority can finally decide as deemed fit, duly recording detailed reasons.
15. In tender, participating Micro and Small Enterprises quoting price within price band of L1+15 per cent shall also be allowed to supply a portion of requirement by bringing down their price to L1 price in a situation where L1 price is from someone other than a Micro and Small Enterprise and such Micro and Small Enterprise shall be allowed to supply at least 25 per cent of total tendered value.
16. In case of more than one such Micro and Small Enterprise, the supply shall be shared proportionately (to tendered quantity).
17. **Reduction in transaction cost:** To reduce transaction cost of doing business, Micro and Small Enterprises shall be facilitated by providing them tender sets free of cost, exempting Micro and Small Enterprises from payment of earnest money.
18. Guidelines issued from Ministry of Micro, Small and Medium Enterprises (MSME) for procurement of items from Micro and Small Enterprises shall be applicable.
19. Purchase Preference Policy (PPP)-Extension of PPP for products and services by CPEs is to be followed as per GoI guidelines.
20. Concessions shall be given to MSME's as per Govt. guidelines from time to time.
21. The bidders/vendors/ suppliers shall submit an undertaking (Format given in Forms Section), to the effect that they will not provide any gift and/ or influence any employee of the company in connection with securing any decision in their favour.
22. The eligibility be decided strictly based on documents submitted at the time of receipt of tenders. No additional documents be allowed to be submitted after receipt of tenders but there is no bar to seek clarification or authentication of submitted documents. However in case of poor response, with a view to increase the competition, admission of additional documents to meet the PQ criteria may be allowed subject to the condition that
  - a. "Poor Response" implies when less than three bids are found suitable on the basis of submitted eligible documents as per NIT.
  - b. The additional documents should not be issued subsequent to last date of receipt of tender as mentioned in the NIT.
  - c. The bidder submitting additional documents has submitted EMD and tender cost as prescribed in NIT.The opportunity of submission of additional documents be given to all the bidders.
23. The tender conditions shall be binding on all the tenderers.
24. Method of evaluation of L-1. L-1 will be considered in totality on the basis of net landed cost to the company (UCIL). In other words including all taxes, duties, levies, cess, packing & forwarding, insurance, transportation, etc. shall be considered for determination of net landed cost.

If a firm quotes overall bid with Nil consideration other than reimbursable amount if any, the same shall be considered as null and void.

25. Bids submitted by related parties in which there seems to be collusion are liable to be rejected. Parties are considered to be related if one party has the ability to control the other party or exercise significant influence over the other party in making financial and /or operating decision.

26. **Secrecy / Confidentiality Agreement** Signing of an ‘secrecy/ confidentiality agreement’ would be considered between UCIL and the bidders in case where UCIL is providing Drawings/ Design /flow sheet, analysis of beach sand reserve, equipment drawings, or any other information which UCIL feels are required to be protected in the interest of the company. Wherever applicable, the tenderer is required to enter into secrecy /confidentiality agreement with UCIL. A copy of the secrecy /confidentiality agreement is attached in FORM Section of the Tender.

27. **Details of Independent External Monitor:-**

a. **Shri Lalit Chandra Trivedi**

701, Premium Tower-IV,  
Shalimar Township, Indore  
452010 (MP)  
Mob. No. 9967567679  
E-mail: [lctrivedi61@gmail.com](mailto:lctrivedi61@gmail.com)

b. **Shri Ponangi Raghuveer**

Flat No.-205,Sri Tirumala prestige apartments,  
Hill Top Colony,Erramanzil,Hyderabad-500082  
Telangana  
Mob. No. 9440816297  
Email : [it4dss@gmail.com](mailto:it4dss@gmail.com)

28. **Earnest Money Deposit (EMD):-**

a. The amount of EMD shall be Rs.18280/-

b. EMD is to be remitted by way of ‘demand draft’ or ‘bankers cheque’ or ‘BG’ only in favour of Uranium Corporation of India Limited. No cash, MO, Fund Transfer etc shall be accepted.

c. No interest is payable on the EMD

d. EMD is liable to be forfeited if:

i. The tenderer changes the terms and conditions or prices or withdraw his quotation subsequent to the date of opening.

ii. The tenderer fails to accept the order when placed or fails to commence supplies/works after accepting the order.

iii. In case bidder submits false/fabricated documents.

iv. In case bidder fails to submit Security Deposit within 30 days of receipt of Work/Purchase Order.

e. The offers received from tenderers without EMD shall be summarily rejected except where exemption is provided in the tender.

f. Public Sector Undertakings, State Government Undertakings, may be exempted from payment of EMD with the approval of Competent Authority. MSME/Small Scale Industries (SSI) with current valid registration with State or Central Govt. shall be exempted from payment of EMD (after ensuring that the registration in case of SSI) pertains to the class of items/stores/works for which the tender is floated) by the authority competent to conclude supply/ contract orders.

- g. EMD may be adjusted against security deposit of the successful bidder. EMD of unsuccessful bidders and successful bidder where SD is not applicable shall be returned immediately once the L1 bidder is decided.
- h. In case where the EMD is provided in form of BG in the prescribed format attached with the tender, the BG shall be obtained from a scheduled /nationalized Bank. The genuineness of BG shall be checked from the issuing bank.
- i. In repetitive /routine works, Vendors may submit EMD in the form of Security Deposit. The vendors depositing security deposit EMD of Rs 50000/- shall be allowed to quote any number of works for works upto Rs. 10 lacs and Vendors depositing Rs 1 lacs shall be allowed quote any number of works for works upto 20 lacs , without submission of EMD . The EMD exemption shall be allowed as long as SD remains with the UCIL. In case of default by the bidder (when L1backs out) the 2 % of estimated cost shall be recovered from the security EMD lying with UCIL. In cases when L1 defaults in more than one works and when the recovery is more than SD, the recovery shall be effected from the other bills of the defaulter bidder. The vendors who don't want to submit Security Deposit shall also have an option of submitting work wise EMD @2 % of estimated cost.

29. The Company reserves the right to reject any tender either in full or in part.

30. There will be no post-tender negotiations even with L-1, except in certain exceptional situations. Such exceptional situations would include procurement of proprietary items, items with limited sources of supply and items where there is suspicion of a cartel formation.

31. In cases where a decision is taken to go for re-tendering due to the unreasonableness of the quoted rates, but the requirements are urgent and a re-tender for the entire requirement would delay the availability of the item, thus jeopardizing the essential operations, maintenance and safety, negotiations would be permitted with L-1 bidder(s) for the supply of a bare minimum quantity. The balance quantity shall, however, be procured expeditiously through a re-tender, following the normal tendering process. In case of huge discrepancy between technically correct L1 and invalid L1 the option of retendering may be explored.

32. **SECURITY DEPOSIT, PERFORMANCE BANK GUARANTEE & RETENTION MONEY**

- a. **SECURITY DEPOSIT & PERFORMANCE BANK GUARANTEE**
  - i. In exceptional cases waiver of SD shall be approved by Competent Authority - Unit head /Competent Authority at HO as the case may be.
  - ii. SD shall be submitted in the form of demand draft/ bankers cheque/BG within 30 days of receipt of letter of acceptance or commencement of work at site whichever is earlier to EIC/OIC.
  - iii. Public Sector Undertakings, State Government undertakings, MSME/Small Scale Industries with current valid registration with State or Central Government ensuring that the registration (in case of SSI) pertains to class of items/stores/works for which the tender is floated, may be exempted from payment of SD.
  - iv. In exceptional cases of work contracts, the approving authority may consider recovering balance SD (in addition to EMD if it is given not in BG form) amount from 1<sup>st</sup> running bill of the contractor.
  - v. EMD may be adjusted towards SD. However, if EMD is submitted in the form of Bank Guarantee, fresh Bank Guarantee is to be submitted towards SD in the prescribed format attached with the tender in the FORMS Section.
  - vi. BG format for security deposit and performance guarantee is attached with the tender in the FORMS Section.

- vii. The SD shall not bear any interest, and is liable to be forfeited for unsatisfactory completion or on abandonment of the supply/ work order.
- viii. Contractor is also permitted to furnish BG in favour of Uranium Corporation of India Ltd in the prescribed format towards security deposit.
- ix. Additional amount of SD due to enhancement in scope of work is also to be submitted.
- b. **RETENTION MONEY:** - In contract, where payment is made on progressive billing of work executed, 5% of the bill value is to be retained at the time of making payment towards rectification/defective work as retention money and be treated as Security Deposit.
- c. **SECURITY DEPOSIT & RETENTION MONEY** The total SD and retention money together towards performance guarantee shall not exceed 10% of contract value.
- d. **REFUND OF SECURITY DEPOSIT & RETENTION MONEY**
  - i. Before releasing SD or retention money in respect of works, a “No Due Certificate” shall be issued by EIC/ OIC duly countersigned by head of the department after ensuring that no amounts are recoverable from the contractor.
  - ii. EIC/OIC shall recommend release of SD and retention money after compliance by the contractor towards guarantee/warranty/performance guarantee & other related clauses as stipulated in the work order and on submission of formal claim by contractor.
  - iii. On receipt of “no dues certificate” from EIC/OIC, SD or retention money retained in the form of B.G and/ or cash may be refunded at the earliest, if the contractor is not liable to pay any money to UCIL under any other contract.
- e. **FORFEITURE OF SD & RETENTION MONEY** The SD & retention money shall stand forfeited in favour of UCIL, without any further notice to the contractor in the following circumstances:
  - i. In case of any failure whatsoever on the part of the contractor at any time during performance of his part of the contract including the extended periods of contract, where notice is given and time for rectification allowed.
  - ii. If the contractor indulges at any time in any subletting/ sub-contracting of any portion of the work without approval of UCIL.

### 33. PROCEDURE TO BE FOLLOWED REGARDING BGs

- a. Copy of proper prescribed format on which BGs are accepted from the contractors are enclosed with the tender document in the FORMS Section and it shall be verified with original document.
- b. The contractors are insisted that BGs to be submitted by them should be sent to organization directly by issuing bank under Registered Post (A.D.)/ Speed Post.
- c. In exceptional cases, where the BGs are received through the contractors, suppliers etc., the issuing branch shall be requested to immediately send by Registered Post (A.D.)/ Speed Post an unstamped duplicate copy of the guarantee directly to the organization with a covering letter to compare with the original BGs and confirm that it is in order.
- d. As an additional measure of abundant precaution, all BGs shall be independently verified by the units with respective issuing branch of the bank.

### 34. DELIVERY / COMPLETION SCHEDULE: - Time is the essence of order/ contract. Any extension thereto shall be with reservation of company's rights to levy liquidated damage and shall be with a provision that no price increase shall be applicable beyond the original completion period.

**35. LIQUIDATED DAMAGES (LD)**

i. For the portion of delay which is attributable to UCIL / force majeure or to the contractor, the case shall be dealt with as follows :

**A. Delay attributable to UCIL / Force majeure**

LD	Not Applicable
Taxes & Duties	Any increase in taxes and duties on account of statutory increase, fresh imposition of any duty or taxes which take place during such extended period shall be admissible.
Price Variation	Price variation , if indicated in the Work Order, shall be applicable during such extended period

**B. Delay attributable to Supplier / Contractor**

LD	Applicable
Taxes & Duties	Increase / fresh imposition of taxes and duties during the extended period will be to the account of the contractor.  Any decrease in taxes and duties during the extended period will be availed by UCIL
Price Variation	Price variation, If indicated in the contract will be applicable for the work performed within the scheduled period of contract.  For work executed during the extended delivery period, the rates as prevailing on the last day of the scheduled contract period only may be paid. De-escalation / reduction, if any, which takes place, shall have to be passed on to UCIL

**36. VARIATIONS/DEVIATION/AMENDMENTS:** - Instead of item wise deviation, over all deviation will be considered while working out amount. Up to 10% variation in the execution of works contracts/order of the total works contract value for sanctioned contract/ order value is allowed without issue of amendment/ revision in the work order.

**37. PAYMENT OF BILLS:-**

- A. Payment against Work shall be released by the units finance department as per the mode and terms & conditions stipulated in the work orders. Bills / Invoices from the party for payment against work orders shall be received in finance department for payment after due certification.
- B. In case of work order the contractor shall submit the invoice/bill in duplicate to EIC/OIC, who shall verify invoice/bills as per terms and conditions stipulated in the work order and recommend for payment after making necessary deductions according to order. Complete details of payments recommended shall be entered in the Measurement Book (MB). All the payments recommended shall be forwarded through Head of the department / Sectional Head to Finance Department for necessary action after due verification by internal audit.
- C. The officer concerned in finance department to verify the bills/invoices with reference to orders, amendments and other relevant records/communications. The payment will be released after bill is duly certified and recommended by EIC/OIC.
- D. Officer concerned of finance department shall ensure that prescribed certificates relating to ED, Sales Tax, Free Issue Materials supplied by the department, B.G. for advance payment,

SD, performance bond and any other documents essential for releasing payment are available before payment is released.

- E.** Contractor shall submit final bill within 40 days of issue of defects liability certificate. EIC/ OIC shall check the bill within 20 days after its receipt and return the bill to contractor for corrections, if any.
- F.** The Contractor shall re-submit the bill, with corrections within 20 days of its return by the EIC/ OIC. The re-submitted bill shall be checked and payment shall be made within 30 days of its receipt.

### **38. FORCE MAJEURE:**

- A.** Force majeure is an event beyond the control of contractor and not involving the contractor's fault or negligence and which is not foreseeable. Such events may include, but are not restricted to acts of the contractor either in its sovereign or contractual capacity, wars or revolution, hostility, acts of public enemy, civil commotion, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts and freight embargoes or any other event which UCIL may deem fit to consider so. The decision about force majeure shall rest with UCIL which shall be final and binding.
- B.** If there is delay in performance or other failures by the contractor to perform obligations under its contract due to event of a Force Majeure, the contractor shall not be held responsible for such delays/failures.
- C.** If a Force Majeure situation arises, the contractor shall promptly notify the purchaser in writing of such conditions and the cause thereof within fifteen days of occurrence of such event. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as reasonable/practical and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- D.** If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of Force Majeure for a period of exceeding sixty days, UCIL may at its option terminate the contract without any financial repercussion on either side.

### **39. STATUTORY LEVIES:** - The price is inclusive of all taxes and duties. A brief detail of taxes and duties levied on the contracts are as follows:

#### **A. Income tax:**

**TDS on payment to Contractors:** - Section 194C of Income Tax Act 1961, provides for deduction of income tax at source at the prevailing rate (of 2% plus educational cess) at the time of credit of such sum to the account of the contractor or at the time of payment thereof.

#### **B. GST :-** At the prevailing rate as per Govt. Guidelines from time to time.

**URANIUM CORPORATION OF INDIA LIMITED**  
(A Government of India Enterprise)  
Department of Atomic Energy  
CIN: U 12000 JH 1967 GOI 000806

**GENERAL CONDITIONS OF CONTRACT (GCC)**

**A. INTERPRETATIONS AND DEFINITIONS**

**1. Singular and Plural**

Where the context so requires, words importing the singular only also include the plural and vice versa.

**2. Heading and Marginal Notes to conditions:**

Heading and marginal notes to these General Conditions shall not be deemed to form part thereof or be taken into consideration in the interpretation or construction thereof or of the Contract.

**3. Definitions:**

- a) 'Corporation' shall mean Uranium Corporation of India Limited having its registered office at PO Jaduguda, Distt - East Singhbhum, Jharkhand -831012 and includes a duly authorized representative of the Corporation or any other person empowered in this behalf by the Corporation to discharge all or any of its functions.
- b) The 'Accepting Authority' shall mean the authority approved by Competent Authority.
- c) The 'Contract' shall mean the notice inviting the tender, the tender, and acceptance thereof and the formal agreement, if any, executed between the Corporation and the Contractor together with the documents referred to therein including these conditions, Designs, Drawings, Schedule of Quantities with rates and amounts and Schedule of Rates. All these documents taken together shall be deemed to form one Contract and shall be complementary to one another.
- d) The 'Contractor' shall mean the individual or firm or company whether incorporated or not, undertaking the works and shall include legal representatives of such individual or persons composing such firm or unincorporated company, or successors of such firm or company as the case may be and permitted assigns or such individual or firm or company.
- e) The 'Contract Sum' shall mean:
  - i. In the case of Lump Sum Contracts the sum for which the tender is accepted.
  - ii. In the case of percentage Rate Contracts the estimated value of the works as mentioned in the tender adjusted by the Contractor's percentage.
  - iii. In the case of Item Rate Contracts the cost of the works arrived at after multiplying of the quantities shown in Schedule of Quantities by the item rates quoted by the Tenderer or as finally accepted for the various items.
- f) A 'Day' shall mean a day of 24 hours from midnight to midnight irrespective of the number of hours worked in that day.
- g) 'Engineer-in-charge' shall mean the Engineering Officer appointed by the Corporation or his duly authorized representative who shall direct, supervise and be in-charge of the works for purpose of this Contract.
- h) 'Excepted Risks' are risks due to riots (otherwise than among Contractors' Employees) and civil commotion (in so far as both these are uninsurable), war (whether declared or not), invasion, act of foreign enemies, hostilities, civil war, rebellion, revolution, insurrection, damage from aircraft, acts of god such as earth quake, lightning and unprecedented floods and other causes over which the Contractor has no control and accepted as such by the Accepting authority.

- i) 'Market Rate' shall be the rate as decided by the Engineer-in-charge on the basis of the cost of materials and labour at the site where the work is to be executed, plus the percentage to cover all overheads and profit.
- j) Schedule(s) referred to in these conditions shall mean the relevant Schedule(s) annexed to the tender papers issued by the Corporation or the standard Schedule of Rates prescribed by the Corporation and the amendments thereto issued from time to time.
- k) The 'Site' shall mean the lands and/or other places on, under, in or through which the work is to be executed under the Contract including any other lands or places which may be allotted by the Corporation or used for the purposes of the Contract.
- l) 'Temporary Works' shall mean all temporary works of every kind required in or about the execution, completion, maintenance of the works.
- m) 'Urgent Works' shall mean any urgent measures, which, in the opinion of Engineer-in-Charge, become necessary during the progress of the works, obviate any risk of accident or failure of which become necessary for security.
- n) A 'Week' shall mean seven days without regard to the number of hours worked any day in that week.
- o) The 'Works' shall mean the works to be executed in accordance with the Contract or part(s) thereof as the case may be and shall include all extra or additional, altered or substituted works or temporary and urgent works as required for performance of the Contract.

## B. SCOPE AND PERFORMANCE

### 4. Contract Documents:

The Contractor shall be furnished, free of charge, one original and two photocopies of the Contract documents (Price Part) and one set of Technical Part. He shall keep one copy of the Documents on the site in good order and the same shall at all reasonable times be available for inspection and use by the Engineer-in-Charge, his representative or other Inspecting Officer.

**4.1.** None of these documents shall be used by the Contractor for any purpose other than that of this Contract.

**4.2.** The Contractor shall take necessary steps to ensure that all persons employed on any work in connection with Contract have noticed that the Indian official Secret Act 1923(XIX of 1923) applied to them and shall continue so to apply even after the execution of such works under the Contract.

### 5. Works to be carried out:

The work to be carried out under the Contract shall except as otherwise provided in these conditions, include all labour, materials, tools, equipment and transport which may be required in preparation of and for and in the full and entire execution and completion of the works. The descriptions given in the Schedule of Quantities shall, unless otherwise stated, be held to include waste on materials, carriage and cartage carrying in return of empties, hoisting, setting, fitting and fixing in position and all other labourers necessary in and for the full and entire execution and completion as aforesaid in accordance with good practice and recognized principles.

### 6. Inspection of site:

The Contractor shall inspect and examine the site and its surrounding and shall satisfy himself before submitting his tender as to the nature of the ground and sub-soils (so far as is practicable), the form and nature of the site, the quantities and nature of work and materials necessary for the completion of the works and the means of access to the site, the accommodation he may require, availability of labour, water, electric power. In general he shall himself obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect his tender. No extra charges consequent on any misunderstanding or otherwise shall be allowed.

### 7. Sufficiency of Tender:

Description of item in the Schedule of quantities is brief and therefore, shall be read in conjunction with the relevant specifications and the Contractor's rate shall be deemed to be for such complete work unless otherwise specified by the Contractor while tendering. No claim, whatsoever, shall be entertained by the Corporation on account of insufficiency of any rate as quoted in the Schedule of Quantities and rates. The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender of the works and of the rates and prices quoted in the Schedule of Quantities, in which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion, maintenance of works and shall also cover the cost of necessary protection, including labour, materials and equipment to ensure safety and protection against all risks, accidents compensation for injury to life and damage to property if any caused by the Contractor's operations connected with the work. The rates shall be firm and shall not be subject to change due to variation during the entire period of execution of the work in cost of materials, labour conditions or any other conditions whatsoever. The rates quoted by the Tenderer shall be inclusive of all taxes, duties and other statutory levies.

#### **8. Discrepancies and Adjustment of Errors:**

The several documents forming the Contract are to be taken as mutually explanatory of one another and the special conditions in preference to General Conditions.

**8.1.** If there are varying or conflicting provisions made in any one document forming part of the Contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document.

**8.2.** Any error in description, quantity or rate in Schedule of Quantities or any omission there from shall not vitiate the Contract or release the Contractor from the execution of the whole or any part of the works comprised there in according to specifications or from any of his obligations under the Contract.

**8.3.** If on check there are found to be difference between the rates given by the Contractor in words and figures or in the amount worked out by him in the Schedule of Quantities and general summary the same shall be adjusted in accordance with the following rules: -

- a) The item description should be clear and unambiguous.
- b) In case of item rate tender, only quoted rate shall be considered.
- c) Rate quoted by the contractor in item rate tender in figure and words shall be accurately filled in such that there is no discrepancy in the rates written in figures and words. However, if a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall unless otherwise proved be taken as correct. If the amount of an item is not worked out by the contractor or it does not correspond with the rates written either in figure or in words then the rates quoted by the contractor in words shall be taken as correct.
- d) where the rates quoted by the contractor in figure and in words tally but the amount is not worked out correctly, the rates quoted by the contractor will unless otherwise proved be taken as correct and not the amount. In event no rates has been quoted for any item(s) then rate for such item(s) will be considered as zero.
- e) In case of lump sum Contracts (based on bills of quantities/ quantity not shown as provisional), should any error in quantities or any omissions of items be discovered, the cumulative effects of which varies Rs. 20,000/- whichever is less, then the errors shall be rectified and the rectifications dealt with as for deviations/variations under conditions 10 and 11 hereof, and the value thereof shall be added or deducted from the Contract sum, as the case may be, provided that there shall be no rectification of any errors, omissions or wrong estimates in the prices inserted by the Contractor in the Bills of quantities.

#### **9. Security Deposit:**

Total amount of Security deposit shall be limited to 10% of the awarded value of work. Fifty percent of this amount shall have to be deposited as initial security deposit at the time of execution of agreement including the amount deposited as Earnest Money.

**a) Acceptable mode of payment of Initial Security Deposit/ Earnest Money:**

- i. For deposit upto Rs. 5,000/- : Demand Draft payable at SBI, Jaduguda/Hartopa.
- ii. For deposit beyond Rs. 5,000/- and up to Rs. 1.00 Lakh.: DAC/TDR/FDR etc. from any Schedule Banks duly pledged in favour of UCIL. But in case of Earnest Money of amount more than Rs. 50,000/-, the Tenderer should submit Bank Guarantee issued by Nationalized bank as mentioned in Para 9(a) (iii).
- iii. For deposit beyond Rs. 1.00 Lakhs: Bank Guarantee issued by Scheduled bank of jointly, severally bound with the Contractor to the purchaser for the amount same above. The terms of the said guarantee shall be such as shall be approved by the purchaser and the obtaining of such guarantee and the cost of guarantee to be so entered shall be at the expenses, in all respects, of the Contractor. The said guarantee shall be valid till the expiry of the defect liability period and issue of the final certificate by the Engineer, and with a claim period of Six months beyond its required validity.

In addition to the above, further amount to the extent of the 5% of awarded value of the work will be deducted from the Running Account bills by way of percentage deductions. Such percentage deduction shall be @ 10% of the running account bills till the full amount of security deposit is realized/ retained by the Corporation.

**b) All compensation or other sums of money payable by the Contractor under the terms of this contact or any other contact or any other account whatsoever may be deducted from or paid by sale of a sufficient part of his security deposit or from the interest arising there from or from any sums which may be due or become due to the Contractor by the Corporation or any account whatsoever and in the event of his security deposit be reduced by reason of any such deduction or sale as aforesaid, the Contractor shall within fourteen days of receipt of notice of demand from the Engineer-in-charge make good the deficit.**

**c) Refund of Security Deposit:**

Initial Security Deposit shall be refunded to the Contractor on the Engineer-in-charge certifying in writing that the work has been completed as per condition 31 hereof etc.

**d) On expiry of the Defects liability period (referred to in condition 33 hereof) or after payment of the Final bill payable whichever is later, the Engineer-in-charge shall on request from the Contractor refund to him the remaining portion of the security deposit provided the Engineer-in-charge is satisfied that there is no demand outstanding against the Contractor.**

**10. Deviation/Variation Extent & Pricing:**

The Engineer-in-charge shall have power (i) to make alteration in, omissions from, additions to, or substitution for the original specification, drawings design and instructions that may appear to him to be necessary or advisable during the progress of the work and (ii) to omit a part of the works in case of non availability of a portion of the site or for any other reasons and the Contractor shall be bound to carry out the works in accordance with any instructions given to him in writing signed by the Engineer-in-charge and such alterations, omissions additions or substitutions shall form part of the Contract as if originally provided therein and any altered, additional or substituted work which the Contractor may be directed to do in the manner above specified as part of the works, shall be carried out by the Contractor on the same conditions in all respects including price on which agreed to do the main work except as hereinafter provided. No work which radically changes the original nature of the Contract shall be ordered by the Engineer-in-charge as a deviation and in the event of any deviation being ordered which in the opinion of the Contractor changes the original nature of the Contract, he shall nevertheless carry it out and the disagreement as to the nature of the work and the rate to be paid therefore shall be resolved in accordance with condition 52.

**10.1. The time for completion of the works shall, in the event of any deviations resulting in additional cost over the Contract sum being ordered, be extended as follows if requested by the Contractor.**

- a) In the proportion which the additional cost of the altered additional or substituted work, bears to the original Contract sum plus
- b) 25% of the time calculated in (a) above or such further additional time as may be considered reasonable by the Engineer-in-charge.

**10.1.1** Rate for such additional altered or substituted work shall be determined by the Engineer-in-charge as follows: -

- i. If the rate for additional, altered or substituted items of works is specified in the Schedule of Quantities, the Contractor shall carry out the additional, altered or substituted item at the same rate. In the case of composite tenders, where two or more Schedules of Quantities may form part of the Contract, the applicable rate shall be taken from the Schedule of Quantities of that particular part in which the deviation is involved, failing that, at the lowest applicable rate for the same item of work in the other Schedule of Quantities.
- ii. If rate for any altered, additional or substituted item of work is not specified in the Schedule of Quantities, the rate for that item shall be derived from the rate for the nearest similar item specified therein. In case of composite Tenders, where two or more Schedule of Quantities form part of the Contract, the rate shall be derived from the nearest similar item in the Bills of Quantities of the particular part of works in which the deviation is involved, failing that, from the lowest of the nearest similar item in other Schedule of Quantities.
- iii. If the rate for any additional, altered or substituted item of work cannot be determined in the manner specified in sub-paras (i) and (ii) above, then such item of the work shall be carried out at the rate entered in the C.P.W.D. Schedule of Rates (current) then plus/minus the percentage by which the tendered amount of the work actually awarded is higher or lower than the estimated amount of the works actually awarded. (Applicable to measurement Contract is based on item rates or lump sum Contracts based on Bills of Quantities or percentage rate Contracts).
- iv. If the rate for any altered, additional or substituted item of work cannot be determined in the manner specified in sub-Para (i) to (iii) above, the Contractor shall within 14 days of the date of receipt of the order to carry out the said work, inform the Engineer-in-charge of the rate which he proposed to claim for such item of work, supported by analysis of the rate claimed, and the Engineer-in-charge shall within three months thereafter, after giving due consideration to the rate claimed by the Contractor determine the rate on the basis of market rate(s). In the event of the Contractor failing to inform the Engineer-in-charge within the stipulated period of time, the rate, which he proposes to claim, the rate for such item shall be determined by the Engineer-in-charge on the basis of market rate(s). For this purpose the purchase voucher etc. shall be produced by the Contractor to the Engineer-in-charge.

**11. Suspension of works:**

The Contractor shall on receipt of the order in writing of the Engineer-in-charge suspend the process of the works or any part thereof for such time and in such manner, as the Engineer-in-charge may consider necessary for and of the following reasons.

- i. On account of any default on part of the Contractor or
- ii. For proper execution of the works or part thereof for reasons other than the default of the Contractor; or
- iii. For safety of the works or part thereof.

**12. TIME AND EXTENSION FOR DELAY:**

The time allowed for execution of the works as specified in the Schedule - 'F' or the extended time, in accordance with these conditions shall be of the essence of the Contract. The execution of the work shall commence within 15 days after the date on which the Engineer-in-charge issues written orders to commence the work or from the date of handing over the site whichever is earlier. If the Contractor commits default in commencing the execution of the work as aforesaid, Corporation

shall without prejudice to any other right or remedy be at liberty to forfeit the Earnest Money/Security Deposit absolutely.

**13.1** As soon as possible, after the Contract is concluded, the Engineer-in-charge and the Contractor shall agree upon a Time and Progress Chart. The Chart shall be prepared in direct relation to the time stated in the Contract Documents for completion of items of the work. It shall indicate the force of the dates of commencement and completion of various trades or sections of the work and may be amended as necessary by agreement between the Engineer-in-charge and the Contractor within the limitation of time imposed in the Contract documents, and further to ensure good progress during the execution of the work, the Contractor shall minimum in all cases in which the time allowed for any work exceed one month (save for special jobs) complete 1/8th of the whole of the work before 1/4th of the whole time allowed in the Contract has elapsed 3/8th before 3/4th of such time has elapsed.

**13.2** If the works be delayed by

- a) Force major, or
- b) Abnormally bad weather, or
- c) Serious loss or damage by fire, or
- d) Civil commotion, local combination of workmen, strike or engaged by Corporation in executing work not forming part of the Contract, or
- e) Delay on the part of other Contractor or tradesman engaged by Corporation in executing work on to forming part of the Contract, or
- f) Non-availability of stores which are the responsibility of Corporation to supply, or
- g) Non-availability or break-down of Tools and Plant to be supplied or supplied by Corporation or
- h) Any other cause, which, in the absolute discretion of the Corporation, is beyond the Contractor's control.

Then upon the happening of any such event causing delays, the Contractor shall immediately give notice thereof in writing to the Engineer-in-charge but shall nevertheless use constantly his best endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-charge to proceed with the work.

**13.3** Request for extension of time to be eligible for consideration shall be made by the Contractor in writing within fourteen days of the happening of the event causing delays. The Contractor may also, if practicable indicate, in such request, the period for which extension is desired.

**13.4** In any such case, the Corporation may give a fair and reasonable extension of time for completion of the work. Such extension shall be communicated to the Contractor by the Engineer-in-charge in writing within 3 months of the date of receipt of such requests by the Engineer-in-charge.

**14.1** If the Contractor required any item of T & P on hire from the Corporation, the Corporation will, if such item is available and the same can be spared, hire it to the Contractor at a rate to be fixed by the Engineer-in-charge.

**14.2** The period of hire will be reckoned from the commencement of the day of issue up to the end of the day of return (including all recognized holidays) irrespective of the actual hour of issue and return. The Contractor will be exempt from levy of any charges for the number of days he is called upon in writing by the Engineer-in-charge to suspend execution of the work, provided Corporation's T & P in question has, in fact, remained idle with the Contractor because of the suspension, provided the Contractor, in case the period of suspension, exceeds 11 days returns Corporation's T & P to the place from where the same was issued.

**14.3** The Contractor shall be responsible for care and custody of Corporation's T & P (including employment of chowkider's) during the period Corporation's T & P remain with him and any damage (fair wear and tear excepted) to any of the equipment shall be made good at the Contractor's expense to the satisfaction of the Engineer-in-charge, unless, such damage is caused because of negligence of crew provided by the Corporation.

**14.4** The Corporation give no guarantee in respect of output of his T & P hired to the Contractor and no reduction in rates or any compensation shall be allowed on the ground that outturn or performance of Corporation's T & P was not to the Contractor's expectations.

**14.5** Corporation's T & P hired to the Contractor shall be returned at the place of issue (unless otherwise directed) by the Contractor to the Engineer-in-charge on completion of the work or section of the work or earlier on termination of the hire by the Corporation as hereinafter provided on a written notice by the Engineer-in-charge. The Corporation shall be entitled to terminate the hire on two days notice without assigning any reason whatsoever on account of termination of hire of Corporation's T & P by the Corporation. In such an event however, a reasonable extension of time shall be given by the Engineer-in-charge.

**14.6** A Log Book for recording hours during which every item of Corporation's T & P issued to the Contractor has worked each day, shall be maintained by the member of the crew-in-charge thereof or any representative of the Engineer-in-charge appointed in that behalf and shall be daily attested by the Contractor or his authorized agent. In case the Contractor contest correctness of any entry and/or fails to sign the Log Book, the decision of the Engineer-in-charge shall be final and binding on him. Hire charges shall be calculated in accordance with the Log Book recorded time or as per term-hiring as the case be.

#### **15.0 MATERIALS**

**15.1** The Contractor shall, at his own expense, provide all materials required for the works other than those, which are to be supplied by the Corporation.

**15.1.1** All materials to be provided by the Contractor shall be, in conformity with the specification laid down in the relevant Indian Standard and the Contractor shall, if required by the Engineer-in-charge, furnish proof, to the satisfaction of the Engineer-in-charge, that the material so comply with the specifications.

**15.1.2** The Contractor shall at his own expense and without delay supply to the Engineer-in-charge samples of materials proposed to be used in the works. The Engineer-in-charge shall, within seven days of supply of samples or within such further period as he may require, intimate to the Contractor in writing, whether samples are approved by him or not. If samples are not approved, the Contractor shall forthwith arrange to supply to the Engineer-in-charge, for his approval, fresh samples complying with the specifications laid down in the Contract.

**15.1.3** The Engineer-in-charge shall have powers to require removal of all of the materials brought at site by the Contractor which are not in accordance with the Contract specifications or do not conform in character or quality to samples approved by him. In case of default on the part of the Contractor in removing rejected materials, the Engineer-in-Charge shall have full powers to procure other proper materials to be substituted for rejected materials and in the event of the Contractor refusing to comply; he may cause the same to be supplied by other. All costs, which may accrue upon such removal and/or substitution, shall be borne by the Contractor.

**15.1.4** The Contractor shall indemnify the Corporation servant or employee of the Corporation against any action, claim or proceeding relating to infringement or use of any patent or design or any other charges which may be payable in respect of or any article or materials or part thereof included in the Contract. In the event of any claim being made or action being made or action being brought against the Corporation in respect of any such matters as aforesaid, the Contractor shall furnish indemnity immediately, provided that such indemnity shall not apply when such infringement has taken place in complying with the specific directions/issued by the Corporation. But the Contractor shall pay any royalties or other charges payable in respect of any such use, the amount so being reimbursed to the Contractor only if the use was the result of any drawing and/or specification issued after submission of the Tender.

**15.1.5** All charges on account of Octroi, Terminal or Sales Tax and other duties and taxes or materials obtained for the works from any source (excluding materials supplied by the Corporation) shall be borne by the Contractor.

**15.1.6** The Engineer-in-charge shall be entitled to have tests carried out for any materials supplied by the Contractor other than those for which satisfactory proof has already been furnished, at the cost of the Contractor and the Contractor shall provide at his expense all facilities, which the Engineer-in-charge may require for the purpose.

**15.2 Materials to be supplied by the Corporation:**

Materials to be supplied by the Corporation are shown in Schedule - B which also stipulates quantum, place of issue and rate(s) to be charged in respect thereof.

**15.2.1** If after acceptance of the tender, the Contractor desires the Corporation to supply any other materials, such materials may be supplied by the Corporation, if available, at rates to be fixed by the Engineer-in-Charge and all on payment before the materials are issued to the Contractor.

**15.2.2** For the materials listed in Schedule-B, which the Corporation has agreed to supply the Contractor, he shall give reasonable notice in writing about his requirements to the Engineer-in-charge in accordance with the agreed phases of programme. Such materials shall be supplied for the purpose of the Contract of aforesaid Schedule, shall be set off or deducted, as and when materials are consumed in item of work for which payment is being made to the Contractor, or from any sums then due or which may after become due to the Contractor from/under the Contract. At the time of submission of bills the Contractor shall properly account for the materials issued to him to the satisfaction of the Engineer-in-charge and certify that balance of materials supplied is available at site.

**15.2.3** The Contractor shall bear the cost of loading, transporting to site, unloading, storing under cover as required, assembling and joining the several parts together as necessary, incorporating of fixing materials in the works including all preparatory work of whatever description as may be required.

**15.2.4** All materials issued to the Contractor by the Corporation for fixing in the works (including preparatory work), and being surplus on completion or on foreclosure of the work be returned by the Contractor at his expense, at wear and tear and/or waste. If the Contractor is required to deliver such materials at a place other than the place of issue, he shall do so and the transportation charges from the site to such place, less the transportation charges which would have been incurred by the Contractor had such materials been delivered at the place of issue, shall be borne by the Corporation.

**15.2.5** Surplus materials returned by the Contractor shall be credited to him by the Engineer-in-charge at rates not exceeding those at which these were originally issued to him after taking into consideration any deterioration or damage which may have been caused to the said materials whilst in the custody of the Contractor.

**15.2.6** If on completion of works the Contractor fails to return surplus materials out of these supplied by the Corporation, then in addition to any other liability which the Contractor would incur, the Engineer-in-charge may, by a written notice to the Contractor require him pay within a fortnight of receipt of the notice, for such unreturned surplus materials at double the issue rates.

**15.2.7 Delay in obtaining materials by the Corporation:**

Owing to difficulty in obtaining certain controlled and other materials in the market, the Corporation has undertaken to supply them as specified in Schedule - B, there may be delay in obtaining these materials by the Corporation and the Contractor is therefore, required to keep himself in touch with the day to day position regarding the supply of materials from the Engineer-in-charge and to so adjust the progress of the work that their labour may not remain idle nor may there by any other claim due to or arising from delay in obtaining the materials. It should be clearly understood that no claim whatsoever shall be entertained by the Corporation on account of delay in supplying materials.

### **15.3 GENERAL**

Materials required for the works, whether brought by the Contractor or supplied by the Corporation, shall be stored by the Contractor only at places approved by the Engineer-in-charge. Storage and safe custody of materials shall be the responsibility of the Contractor.

**15.3.1** Corporation official concerned with the Contract shall be at liberty any time to inspect and examine any materials intended to the use in or on the works, either on the site or at factory or workshop or other place(s), where such materials are assembled, fabricated, manufactured or any place(s) where these are lying or from which these are being obtained and the Contractor shall give such facilities as may be required for such inspection and examination.

**15.3.2** Materials supplied by the Corporation and brought to the site by the Contractor shall not be removed off the site without the prior written approval of the Engineer-in-Charge. But whenever the works are finally completed, the Contractor shall at his own expense forthwith return to the all-surplus materials originally supplied to him as per stipulation in the Contracts.

### **16. LABOUR**

The Contractor shall employ labour in sufficient numbers to maintain the required rate of progress and of quality to ensure workmanship of the degree specified in the Contract and to the satisfaction of the Engineer-in-Charge. The Contractor shall not employ in connection with the works any person who has not completed his eighteen years of age.

**16.1** The Contractor shall furnish to the Engineer-in-Charge at the intervals as decided by E.I.C., a distribution return of the number and description by trades of the 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 the second half of the preceding month and the first half of the current month (i) the accident that occurred during the said fortnight showing the circumstances under which they happened and the extent of damages 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 there under and the amount paid to them.

**16.2** The Contractor shall pay to labour employed by him wages not less than fair wages as defined in the Contract Labour (Regulation & Abolition) Act, 1970 and Rules made there under.

**16.3** 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.

**16.4** The Contractor shall comply with the provision of the payment of Wages Act, 1936, Minimum Wages Act, 1948, Employees Liability Act, 1938, Workmen's Compensation Act, 1923, Industrial Dispute Act, 1947, Maternity Benefit Act, 1961 and Mines Act, 1952 or any modifications thereof or any other Law relating thereto and rules made there under from time to time.

**16.4.1** The Contractor shall be liable to pay his contribution and the Employees Contribution to the Employees State Insurance scheme in respect of all labour employed by him for the execution of the Contract, in accordance with provision of '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 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.

**16.5** The Engineer-in-charge shall on a report having been made by an Inspecting staff as defined under the Contract Labour (Regulation) Act, 1970 and rules made there under have the power

to deduct the money, due to the Contractor, any sum required estimated to be required for making good the loss suffered by a worker or workers by reason of no fulfilment of the conditions of the Contract for the benefit of workers, non-payment of wages or of deduction made from his or their wages which are not justified by the terms of the Contract or non-observance of the said act.

**16.6** 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 Rules made there under without prejudice to his right to claim indemnity from his Sub-Contractors.

**16.7** In the event of the Contractor committing a default or breach of any of the provisions of aforesaid Act and rules made amended/amended from time to time, or furnishing any information or submitting or filling any Form/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.

**16.7.1 Model Rules for Labour Welfare:**

The Contractor shall at his own expense 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 the protection of health and for making sanitary arrangements for workers employed 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.

Failure to comply with Model Rules for Labour Welfare, Safety code or the provisions relating to report on accidents and to grant Maternity Benefits to female workers shall make the Contractor liable to pay to the Corporation as liquidated damages an amount not exceeding Rs. 50.00 for each default on materially incorrect statement or reports from the Engineer-in-charge in such matters, based on reports from the Inspecting officers shall be final and binding and deductions for recovery of such liquidated damages may be made from the any amount payable to the Contractor.

**17.** The Contractor shall not be permitted to enter on (other than for inspection purpose) or take possession of the site until instructed to do so by the Engineer-in-charge in writing. The portion of the site to be occupied by the Contractor shall be defined and/or marked on the site plan, failing which these shall be indicated by the Engineer-in-charge at site and the Contractor shall on no account be allowed to extend his operations beyond these areas.

In respect of any land allotted to the Contractor for purpose of or in connection with the Contract, the Contractor shall be a licensee subject to the following and such other terms and the licensor may impose conditions as:

- i.** That he shall pay a nominal license fee of Rs. 1 per year or part of a year for use and occupation, in respect of each and every separate area of land allotted to him
- ii.** That such use or occupation shall not confer any right of tenancy of the land to the Contractor
- iii.** That the Contractor shall be liable to vacate the land on demand by the Engineer-in-charge.
- iv.** That the Contractor shall have no right to any construction over this land without the written permission of the Engineer-in-charge. In case he is allowed to construct any structure he shall have to demolish and clear the same before handing over the completed work unless agreed to the Corporation.

**17.1** The Contractor shall provide, if necessary or if required on the site all temporary access there to and shall alter, adopt and maintain same as required from time to time and shall take up and clear them away as and when no longer required and as and when ordered by the Engineer-in-charge and make good all damage done to the site.

**18. SETTING OF THE WORKS:**

The Engineer-in-Charge shall submit the information necessary to enable the Contractor to set out the work. The Contractor shall provide all labour and setting out appliances required and set out the work and be responsible for the accuracy of the same. He shall amend at his own cost and to the satisfaction of the Engineer-in-charge any error found at any stage which may arise through inaccurate setting out unless such error is based on incorrect data furnished in writing by the Engineer-in-charge, in which case cost of rectification shall be borne by the Corporation. The Contractor shall protect and preserve all benchmarks used in setting out the works till end of the Defect Liability Period unless the Engineer-in-Charge directs their earlier removal.

**19. SIDE DRAINAGE:**

All water, which may accumulate on the site during the progress of works or in trenches and excavations, shall be removed from the site to the satisfaction of the Engineer-in-charge and at the Contractor expenses.

**20. NUISANCE:**

The Contractor shall not at any time do, cause or permit any nuisance on the site or do anything which shall cause unnecessary disturbance, inconvenience to owners, tenants or occupiers of other properties near the site and to the public generally.

**21. MATERIALS OBTAINED FROM EXCAVATION:**

Materials of any kind obtained from excavation on the site shall remain the property of the Corporation and shall be disposed of as the Engineer-in-charge may direct.

**22. TREASURE TROVE, FOSSILS ETC.:**

All fossils, coins, articles of value or antiquity and structures and other remains or things of geological or archaeological interest discovered on the site shall be the absolute property of the Corporation and the Contractor shall take reasonable precautions to prevent his workmen or any other person from removing or damaging any such articles or thing and shall immediately open discovery thereof and before removal, acquaint the Engineer-in-charge and obtain his directions as to the disposal of the same at the expense of the Corporation.

**23. PROTECTION OF TREES:**

Tree designated by the Engineer-in-charge shall be protected from damage during the course of the works and earth level within 1.0 Mtr. of each such tree shall not be changed. Where necessary, such trees shall be protected by providing temporary fencing.

**24. WATCHING AND LIGHTING:**

The Contractor shall provide and maintain at his own expense all lights, guards, fencing and watching when and where necessary or required by the Engineer-in-charge for the protection of the works or for the safety and convenience of those employed on the works or the public.

**25. CONTRACTOR'S SUPERVISION - SUPERVISORY STAFF:**

The Contractor shall engage and keep at site, qualified technical staff/engineer with necessary supporting supervisory staff of sufficient experience of all types of works covered by this Contract and they should have all necessary authority to receive materials from the Corporation, issue valid receipt for the same, engage labour etc. and proceed with the work as required for speedy execution of the work.

**26. INSPECTION AND APPROVAL:**

All works embracing more than one process shall be subject to examination and approval at each stage thereof and the Contractor shall give notice to the Engineer-in-Charge or his authorized representative when each stage is ready. In default of such notice the Engineer-in-Charge shall be entitled to appraise the quality and extent thereof.

**26.1** No work shall be covered up or put out of view without the approval of the Engineer-in-charge or his authorized representative and the Contractor shall afford full opportunity for examination and measurement of any work which is about to be covered up or put out of view and for examination foundations before permanent work is placed thereon. The Contractor shall give the notice to the Engineer-in-Charge or his authorized representative

whenever any such work or foundation is ready for examination and the Engineer-in-charge or his representative shall without unreasonable delay, unless he considers it unnecessary and advises the Contractor accordingly; attend for the purpose of examining and measuring such work or of examining such foundation. In the event of the failure of the Contractor, such work shall be uncovered at the Contractor's expense for examination by the Engineer-in-Charge.

**26.2** Corporation officers concerned with the Contract shall have powers at any time to inspect and examine any part of the works and the Contractor shall give such facilities as may be required for such inspection and examination.

**27. DUTIES AND POWERS OF ENGINEER-IN-CHARGE'S REPRESENTATIVE:**

The duties of the Representative of the Engineer-in-Charge are to watch and supervise the works and to test and examine any materials to be used or workmanship employed in connection with the works. He shall have no authority to order any work involving any extra payment by the Corporation nor to make any variation in the works.

**27.1** The Engineer-in-charge may from time to time in writing delegate to his Representative any of the powers and authorities vested in the Engineer-in-charge and shall furnish to the Contractors a copy of all such written delegation of powers and authorities. Any written instruction or written approval given by the Representative of the Engineer-in-Charge to the Contractor within the terms of such delegation shall bind the Contractor and the Corporation as though it had been given by the Engineer-in-charge.

**27.2** Failure of the Representative of the Engineer-in-Charge to disapprove any work or materials shall not prejudice the power of the Engineer-in-Charge thereafter to disapprove such work or materials and to order pulling down, removal or breaking up thereof.

**27.3** If the Contractor shall be dissatisfied with any decision of the Representative of the Engineer-in-Charge, he shall be entitled to refer matter to the Engineer-in-Charge who shall thereupon confirm, reverse vary such decision.

**28. REMOVAL OF WORKMEN:**

The Contractor shall employ in and about the execution of the works such persons as are skilled and experienced in their several trades and Engineer-in-Charge shall be at liberty to object to and require the Contractor or to remove from the works any person employed by the Contractor in or about the execution of the works who in the opinion of the Engineer-in-Charge misconducts himself or is incompetent or negligent in the proper performance of his duties and such person shall not be again employed upon the works without permission of the Engineer-in-charge.

**29. UNCOVERING AND MAKING GOOD:**

The Contractor shall uncover any part of the works and/or make opening in or through the same as the Engineer-in-charge may from time to time direct for his verification and shall re-instate and make good such part to the satisfaction of the Engineer-in-charge. If any such part has been covered up or put out of view after being approved by the Engineer-in-Charge and subsequently found on uncovering to be executed in accordance with the Contract, the expenses of uncovering and/or making opening or through reinstating and making good the same shall be borne by the Contractor.

**30. WORKING DURING NIGHT OR ON SUNDAYS AND HOLIDAYS**

Subject to any provisions to the contrary contained in the Contract none of the permanent works shall be carried out during night or on Sundays or on authorized holidays without the permission in writing of the Engineer-in-Charge except when the work is unavoidable or absolutely necessary for the safety of life, property or works in which case the Contractor shall immediately advise the Engineer-in-charge accordingly.

**31.1 COMPLETION CERTIFICATE:**

As soon as the work is complete, the Contractor shall give notice of such completion to the Engineer-in-charge and within ten days of receipt of such notice the Engineer-in-charge shall inspect the work and shall furnish the Contractor with a certificate of completion indicating

(a) the date of completion, (b) defects to be rectified by the Contractor and/or (c) items for which payment shall be made at reduced rates. When separate periods of completion have been specified for items or groups of item the Engineer-in-Charge shall issue separate completion certificates for such items or group of items. No certificate of completion shall be issued, nor shall the work be considered to be complete till the Contractor shall have removed from the premises on which the work has been executed all scaffolding, sheds and surplus materials, except such as are required for rectification of defects, rubbish and all huts and sanitary arrangements required for his workmen on the site in connection with the execution of the work, as shall have been erected by the Contractor, the workmen and cleaned all dirt from all parts of building(s), in upon or about which the work has been executed or of which the work has been executed or of which he may have had possession for the purpose of the execution thereof and cleaned floors, gutters and drains, eased doors and sashes oiled locks and fastenings labelled keys clearly and handed them over to the Engineer-in-Charge or his representative and made the whole premises fit for immediate occupation or use to the satisfaction of the Engineer-in-charge. If the Contractor shall fail to comply with any of the requirements of this conditions as aforesaid, on or before the date of completion of the works, the Engineer-in-charge may at the expense of the

Contractor fulfil such requirements and dispose of the scaffoldings, surplus materials, and rubbish etc. as he thinks fit and the Contractor shall have no claim in respect of any such scaffolding or surplus materials except for any sum actually realized by the sale thereof less the cost of fulfilling the requirements and any other amount that may be due from the Contractor, if the expense of fulfilling such requirements is more than the amount realized on such disposal as aforesaid the Contractor shall forthwith on demand pay such excess.

**31.2** If at any time before completion of the work, items or groups of items for which separate periods of completion have been specified, have been completed the Engineer-in-charge with the consent of the Contractor takes possession of any part of the same (any such parts being hereinafter in this conditions referred to as the relevant part) then notwithstanding anything expressed or implied elsewhere in this Contract.

- a)** Within ten days of the date of completion of such items or group of items or of possession of the relevant part the Engineer-in-charge shall issue completion certificate for the relevant part as in conditions 31(1) as above provided the Contractor fulfils his obligations under that condition for the relevant part.
- b)** The Defects Liability Period in respect of such items and the relevant part shall be deemed to have commenced from the certified date of completion of such items or the relevant part as the case may be.
- c)** The Contractor may reduce the value insured to extent of full value of the completed items or relevant part as estimated by the Engineer-in-charge for this purpose. This estimate shall be applicable for this purpose only and for no other.
- d)** For the purpose of ascertaining compensation for delay in completion of the work relevant part will be deemed to form a separate item or group, with date of completion as given in the Contract or as extended under the relevant condition and actual date of completion as certified by the Engineer-in-charge under this condition.

**32. COMPENSATION FOR DELAY**

- a)** Liquidated Damages (LD) shall be levied where reasons are attributable to supplier / contractors for delays in execution of purchase order/ contract. LD shall be levied @0.5% per week or part thereof on the value of unfinished supply/work order for each week of delay subject to a maximum of 5% of the total value of contract ( excluding taxes and duties)
- b)** Wherever the supply/work is on turnkey or having a bearing in commissioning and performance of the system in total, LD is to be imposed on total value, in such cases.
- c)** If separate period of completion is specified for certain item of work or group of items of work, at the time of issuing the order, the LD can be levied on the total value of item of work

or group of items of work which are completed beyond the agreed contract period. This aspect should be brought out in the tender document.

**33. DEFECTS LIABILITY PERIOD**

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, any defect which may develop or may be noticed before the expiry of the period hereto from the certified date of completion and intimation of which has been sent to the Contractor within seven days of the expiry of the said period by a letter sent by hand delivery or by registered post.

**34. From commencement to completion of the works, the Contractor shall take full responsibility for the care thereof and for taking precautions to prevent loss or damage and to minimize loss or damage to the greatest extent possible and shall be liable for any damage or loss that may occur to the works or any part thereof and all Government T & P from any cause whatsoever (save and except the Excepted Risks) and shall at his own cost repair and make good the same so that at completion of the work, Corporation's T & P shall be in good order and condition and in conformity in every respect with the requirements of the Contract and instruction of the Engineer-in-charge.**

**34.1** Provided always that the Contractor shall not be entitled to payment unless the Contractor shall insure the works (from commencement to completion), the Corporation's T & P hired by the Contractor and all materials at site to their full value (as to Corporation's T & P according to the value indicated in Schedule-C), against the risk or damage from whatever cause arising other than the Excepted Risks. The said insurance shall be in joint name of the Corporation and the Contractor, The Contractor shall deposit with the Engineer-in-charge the said policy or policies. All money payable by the insurers under such policy or policies shall be recovered by the Corporation and shall be paid to the Contractor in instalments by the Engineer-in-charge for the purpose of re-building or replacement or repairs of the works and/or goods destroyed or damaged as the case may be. Provided however if the amount payable by the insurers in respect of any claim under such a policy is not in excess of the amount mentioned .Same may be recovered by the Contractor directly from the insurers and shall be utilized by him for the purpose of re-building or replacement or repairs of the works and/or goods destroyed or damaged as the case may be.

**34.2** If the Contractor has blanket insurance policy for all his works and the policy covers all the items to be insured under this condition, the said policy shall be assigned by the Contractor in favour of the Corporation, provided however, if any amount is payable under the policy by the insurers in respect of works other than the work under this Contract, the same may be recovered by the Contractor directly from the insurers.

**34.3** Where the Corporation building or a part thereof is rented by the Contractor he shall insure the entire building if the building or any part thereof is used by him for the purpose of storing or using materials of combustible nature, as to which the decision of the Engineer-in-Charge shall be final and binding.

**34.4** The Contractor shall indemnify and keep indemnified the Corporation against all losses and claims for injuries or damage to any person or any property whatsoever which may arise out of or in consequence of the construction and maintenance of works and against all Claims, demands, proceedings, damages, cost of charge and expenses whatsoever in respect of or in relation thereto provided always that nothing herein contained shall be deemed to render the Contractor liable for or in respect of or to indemnify the Corporation against any compensation or damage caused by the Excepted Risks.

**34.5** The Contractor shall at all times Indemnify the Corporation against all claims, damages, or compensation under the provisions of payment of wages Act - 1936, Minimum Wages Act - 1948, Employer's Liability act - 1938, The workmen's Compensation Act - 1923, Industrial Disputes Act - 1947, and Maternity Benefit Act - 1961 or any modifications thereof or any other law relating thereto and rules made there under from time to time or as consequence of any accident or injury to any workmen or other persons in or about the works, whether in the employment of the Contractor or not, (save and except where such accident or injury has resulted from any act of the Corporation, its agents or servants) and against all cost, charges

and expenses of any suit action or proceedings arising out of such accident or injury and against all sum or sums which may with the consent of the Contractor be paid to compromise or compound any such claim, without limiting his obligations and liabilities as above provided. The Contractor shall insure against all claims, damages or compensation payable under the Workmen's Compensation Act - 1923 or any modification thereof or any other Law relating thereto.

- 34.6** The aforesaid insurance policy/policies shall provide that they shall not be cancelled till the Engineer-in-charge has agreed to there
- 34.7** The Contractor shall prove to the Engineer-in-charge from time to time that he has taken out all the insurance policies referred to above and has paid the necessary premiums for keeping the policies alive till expiry of the Defect Liability Period, if any.
- 34.8** The Contractor shall ensure that similar insurance policies are taken out by his Sub-Contractors (if any) and shall be responsible for any claims or losses to the Corporation resulting from their failure to obtain adequate insurance protection in connection thereof. The Contractor shall produce or cause to be produced by his Sub-Contractors (if any) as the case may be, the relevant policy or policies and premium receipts as and when required by the Engineer-in-charge.
- 34.9** If the Contractor and/or his Sub-Contractor (if any) shall fail to effect and keep in force the insurance referred to above or any other insurance which he/they may be required to effect under the terms of the Contract, then and in any such case the Corporation may, without being bound to, effect and keep in force any such insurance and pay such premium or premiums as may be necessary for that purpose and from time to time deduct the amount so paid by the Corporation from any money due or which may become due to the Contractor or recover the same as debt due from the Contractor.

#### **35. FACILITIES TO OTHER CONTRACTORS:**

The Contractor shall, in accordance with requirement of the Engineer-in-charge, afford all reasonable facilities to other Contractors engaged contemporaneously on separate Contracts in connection with the works and for departmental labour and labour of any other properly authorized authority or statutory body which may be employed at the site on execution on any work not included in the contract or of any Contract which the Corporation may enter into the connection with or ancillary to the works.

#### **36. NOTICES TO LOCAL BODIES**

The Contractor shall comply with and give all notices required under any governmental authority, interment, rule or order made under any act of parliament, state laws or any regulation or bye-laws of any local authorities relating to the works. He shall before making any variation from the Contract; drawings necessitated by such compliance give to the Engineer-in-charge a written notice giving reasons for the proposed variation and obtain the Engineer-in-charge's instructions thereon.

- 36.1** The Contractor shall pay and indemnify the Corporation against any liability in respect of any fees or charges payable under any Act of parliament, state laws or any Government instrument, rule or order and any regulations or by-laws of any local authority in respect of the works.

#### **37. SUB CONTRACTS**

The Contractor shall not sublet any portion of the Contract without the prior written approval of the Accepting authority.

#### **38. INSTRUCTIONS AND NOTICES**

Subject as otherwise provided in this Contract, all notices to be given on behalf of the Corporation and all other actions to be taken on its behalf may be given or taken by Engineer-in-charge or any officer for the time being entrusted with the functions, duties and powers of the Engineer-in-charge.

**38.1** All instructions, notices and communications etc. under the Contract shall be given in writing and if sent by registered post to the last known place of above or business of the Contractor shall be deemed to have been served on the date when in the ordinary course of post these would have been delivered to him.

**38.2** The Contractor or his agent shall be in attendance at the site/ sites during all working hours and shall superintend the execution of the works with such additional assistance in each trade as the Engineer-in-charge may consider necessary. Orders given to the Contractor's agent shall be considered to have the same force as if they had been given to him.

**38.3** The Engineer-in-charge shall communicate or confirm his instructions to the Contractor in respect of the execution of work in a "Work site order Book" maintained in the office of the Engineer-in-charge and the Contractor or his authorized representative shall confirm receipt of such instruction by the Contractor, he shall be furnished a certified true copy of such instructions.

**39. FORE CLOSURE OF CONTRACT IN FULL OR IN PART DUE TO ABANDONMENT OR REDUCTION IN SCOPE OF WORK:**

If at any time after acceptance of the tender, the Corporation shall decide to abandon or reduce the scope of the works for any reason, whatsoever hence not require the whole or any part of the work to be carried out, the Engineer-in-Charge shall give notice in writing to that effect to the Contractor and the Contractor shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage or which he might have derived from the execution of the works in full, which he did not derive in consequence of the fore closure of the whole or part of the works.

**39.1** The Contractor shall be paid at Contract rates full amount for works executed at site, and in addition, a reasonable amount as certified by the Engineer-in-charge for the items hereunder mentioned which could not be utilized on the work to the full extent because of the foreclosure.

- a)** Any expenditure incurred on preliminary site work e.g. temporary access roads, temporary labour huts, staff quarters and site office, storage, accommodation and water storage tanks.
- b)**
  - i.** The Corporation shall have the option to take over Contractor's Materials or any part thereof either brought to site or of which the Contractor is legally bound to accept delivery from suppliers (for incorporation in or incidental to the work), provided however, the Corporation shall be bound to take over the materials or such portions thereof as the Contractor does not desire to retain. For materials taken over or to be taken over by the Corporation, cost of such materials shall, however, take into account purchase price, cost of transportation and deterioration or damage which may have been caused to materials whilst in the custody of the Contractor.
  - ii.** For Contractor's materials not retained by the Corporation, reasonable cost of transportation of such materials from site to Contractor's permanent stores or to his other works, whichever is less. If materials are not transported to either of the said places, no cost of transportation shall be payable.
- c)** If any materials supplied by the Corporation are rendered surplus, the same except normal wastage shall be returned by the Contractor to the Corporation at rates not exceeding those at which these were originally issued less allowance for any deterioration or damage which may have been caused whilst the materials were in the custody of the Contractor. In addition, cost of transporting such materials from site to the Corporation stores if so required by the Corporation.
- d)** Reasonable compensation for transfer of T & P from site to Contractor's permanent stores or to his other works, whichever is less. If T & P are not transported to either of the said places, no cost of transportation shall be payable.

The Contractor shall if required by the Engineer-in-charge furnish to him books of account, wage books, time sheets and other relevant documents as may be necessary to enable him to certify the reasonable amount payable under this condition.

**40. TERMINATION OF CONTRACT FOR DEATH:**

If the Contractor is an individual or a proprietary concern and the individual or the proprietary dies and if the Contractor is a partnership in concern and one of the partners dies, then unless the Accepting Authority is satisfied that the legal representative of the individual Contractor or of the proprietor of the proprietary concern and in the case of partnership, the surviving partners, are capable of carrying out and complete the Contract, the Accepting Authority shall be entitled to cancel the Contract as to its incomplete part without the Corporation being in any way liable to payment of any compensation to the estate of the deceased Contractor and/or to the surviving partners of the Contractors firm on account of the cancellation of the Contract. The decision of the Accepting authority that the legal representatives of the deceased Contractor or the surviving partners of the Contractor's firm cannot carry out and complete the Contract shall be final and binding on the partners. In the event of such cancellation the Corporation shall not hold the estate of the deceased Contractor and/or the surviving partners of the Contractor's firm liable in damages for not completing the Contract.

**41. CANCELLATION OF CONTRACT IN FULL OR IN PART:**

If the Contractor:

- a) At any time makes default in proceeding with the works with due diligence and continued to do so after a notice in writing of 7 days from the Engineer-in-charge or
- b) Commits default the works or items of work with individual dates of completion, and does not complete them within the period specified in notice given in writing in that behalf by the Engineer-in-charge.
- c) Fail to complete the works or items of work with individual dates of completion, and does not complete them within the period specified in notice given in writing in that behalf by the Engineer-in-charge.
- d) Shall offer or give or agree to give to any person in Corporation's service or to any other person on his behalf consideration, any gift or of any kinds as an inducements or reward for doing or forbearing to or for having done or forborne to do any act in relation to the obtaining or execution of this or any other Contract for the Corporation.
- e) Shall enter into a Contract with the Corporation in connection with which commission has been paid or agreed to be paid by him or to his knowledge, unless the particulars of any such commission and terms of payment thereof have previously been disclosed in writing to the Accepting Engineer-in-charge.
- f) Shall obtain a Contract with the Corporation as a reward offering tendering or by other non - bonafied methods of competitive tendering or
- g) Being an individual, or if a firm any partner thereof, shall at any time be adjusted insolvent or have a receivers order for administration of his estate, made against him or shall take any proceeding, liquidation or composition (other than a voluntary liquidation for the purpose of amalgamation or reconstruction) under any Insolvency Act for the time being in force or make any conveyance or assignment of his effects or composition or arrangement for the benefit of his creditors or purpose so to do, or if any application be made under any Insolvency Act for the time being in force for sequestration of his estate or if a trust deed be executed by him for benefit of his creditor, shall be given to the Contractor for value of the work executed by him up to the time of cancellation, the value of Contractor's materials taken over and incorporated in the work, and use of tackle and machinery belonging the Contractor work or
- h) Being a Corporation, shall pass a resolution or the Court shall make an order for the liquidation of its affairs, or a Receiver or Manager on behalf of the debenture holders shall be appointed or a circumstance shall arise which entitle the court or debenture holders to appoint a Receiver or Manager or

- i) Shall suffer an execution being levied on his goods and allow to be contained for a period of 21 days or
- j) Assigns, transfers, sublets (engagement of labour on a piece basis or of labour with materials not to be incorporated in the work, shall not be deemed to be subletting) or attempts to transfer or sublet the entire works or any portion thereof, without the prior written approval of the Accepting Authority.

The Accepting Authority may, without prejudice to any other right to remedy, which shall have accrued or shall accrue thereafter, the Corporation by written notice cancel the Contract as a whole or only such items of work on default from the Contract.

- 41.1** The Accepting authority shall on such cancellation have power to
  - a) Take possession of the site and any materials, constructional plant, implements, stores etc. thereon, and/or
  - b) Carryout the incomplete work by any means at the risk and cost of the Contractor.
- 41.2** On cancellation of the Contract in full or in part, the Engineer-in-Charge shall determine what amount, if any, is recoverable from the Contractor for completion of the works or part of the works or in case the works or part of the works is not to be completed, the loss or damage suffered by the Corporation. In determining the amount, credit shall be given to the Contractor for the value of the work executed by the Contractor up to the time of cancellation, the value of Contractor's materials taken over and incorporated in the work, and use of tackle and machinery belonging to the Contractor.
- 41.3** Any excess expenditure incurred or to be incurred by the Corporation in completing the works or part of the works or the excess loss or damages suffered or may be suffered by the Corporation as aforesaid after allowing such credit shall be recovered from any moneys due to the Contractor on any account, and if such moneys are not sufficient the Contractor shall be called upon in writing to pay same within 30 days.  
If the Contractor shall fail to pay the required sum within the aforesaid period of 30 days, the Engineer-in-charge shall have the right to sell any or all of the Contractor's unused materials, Unused materials, constructional plant, Implements, temporary building etc. and apply the proceeds of sale thereof, towards the satisfaction of any sums due from the Contractor under the Contract and if thereafter there be any balance outstanding from the Contractor, it shall be recovered in accordance with the provisions of the Contract.
- 41.4** Any sums in excess of the amounts due to the Corporation and unsold materials, constructional plant etc. shall returned to the Contractor, provided always that if cost or anticipated cost of completion by the Corporation of the works is less than the amount which the Contractor would have been paid had he completed the works or part of the works, such benefit shall not accrue to the Contractor.

## **42. LIABILITY FOR DAMAGE/DEFECTS OR IMPERFECTIONS AND RECTIFICATION THEREOF:**

If the Contractor or his workmen or employees shall injure or destroy any part of the building in which they may be working or any building, road, fence etc. contiguous to the premises on which the work or any part of it is being executed or if any damage shall happen to the work while in that progress, the Contractor shall upon receipt of a notice in writing in that behalf make the same good at his own expense. If it shall appear to the Engineer-in-charge or his representative at any time during construction or reconstruction or prior to the expiration of the Defects Liability Period, that any works has been executed with unsound, imperfect or unskilful workmanship or that any materials are of a inferior quality to that Contract for, or otherwise not in accordance with the Contract, or that any defect, shrinkage or other fault have appeared in the work arising out of defective or improper materials or workmanship, the Contractor shall, upon receipt of a notice in writing in that behalf from the Engineer-in-Charge, forthwith rectify or remove and reconstruct the work so specified in whole or in part, as the case may require or as the case may be and/or remove the materials or articles at his own expense notwithstanding that the same may have been to do so within the period to be specified by the Engineer-in-charge, may rectify or remove and re-execute

the work and or remove and replace with other materials or articles complained of, as the case may be, by other means at the risk and expense of the Contractor.

**42.1** In case of repairs and maintenance works, splashes and droppings from white washing, painting, etc. shall be removed and surface cleaned simultaneously with completion of these items of work in individual rooms, quarters or premises etc. where the work is done, without waiting for completion of all other items of work in the Contract. In case the Contractor fails to comply with the requirements of this condition, the Engineer-in-charge shall have the right to get the work done by other means at the cost of the Contractor. Before taking such action, however, the Engineer-in-charge shall give three days notice in writing to Contractor.

**43. URGENT WORKS:**

If any urgent work (in respect whereof the decision of the Engineer-in-Charge shall be final and binding) becomes necessary and the Contractor unable or unwilling at once to carry it out, the Engineer-in-Charge may by his own or other work people carry it out as he may consider necessary. If the urgent work were such as the Contractor is liable under the Contract to carry out at his expense, all expenses incurred on it by the Corporation shall be recoverable from the Contractor and be adjusted or set off against any sum payable to him.

**44. CHANGE IN CONSTITUTION:**

Where the Contractor is a partnership firm, prior approval in writing of the accepting authority shall be obtained before any change is made to the constitution of the firm. Where the Contractor is an individual or a Hindu Undivided Family-business concern, such approval as aforesaid shall likewise be obtained before the Contractor enters into any partnership agreement where under the partnership, firm would have the right to carry out the work hereby undertaken by the Contractor. If prior approval as aforesaid is not obtained, the Contract shall be deemed to have been assigned in contravention of condition 41(j) hereof and the same action may be taken and the same consequences shall ensure as provided for in the said condition 41.

**45. TRAINING OF APPRENTICES**

The Contractor shall during the currency of the Contract, when called upon by the Engineer-in-charge engage and also ensure engagement by Sub-Contractors and others employed by the Contractor in connection with the works, such number of apprentices in the categories as directed by E.I.C. and for such periods as may be required by the Engineer-in-charge. The Contractor shall train them as required under the Apprentices Act, 1961 and shall be responsible for all obligations, the employer under the Act including the liability to make payment of apprentices as required under the act.

**46. VALUATIONS AND PAYMENT:**

**RECORDS AND MEASUREMENT:**

The Engineer-in-charge, shall except as otherwise stated ascertain and determine the value of the works done in accordance with the measurement recorded and the Contract rates for each such items of work.

**46.1** All items having a financial value shall be entered in Measurement Book, Level Book etc. prescribed by the Corporation so that a complete record is obtained of all work performed under the Contract.

**46.2** Measurements shall be taken jointly by the Engineer-in-charge or his authorized representative and by the Contractor or his authorized representative.

**46.3** Before taking measurements of any work, the Engineer-in-charge or the persons deputed by him for the purpose shall give a reasonable notice to the Contractor. If the Contractors fails to attend or send an authorized representative for measurement after such a notice or fails to countersign or to record the objection within a week from the date of measurement, then in any such event, measurements taken by the Engineer-in-charge or by person deputed by him shall be taken to be correct measurements of the work.

**46.4** The Contractor shall, without extra charge, provide assistance with every appliance, labour and other things necessary for measurement.

**46.5** Measurement shall be signed and dated by both parties each day on the site on completion of measurement. If the Contractor objects to any of the measurements recorded on behalf of the Corporation, a note to that effect shall be made in the Measurement Book against the item objected to and such note shall be signed and dated by both parties engaged in taking measurements.

**46.6** Where mode of measurement is not otherwise specified, the measurement shall be taken at site as per the latest I.S. Code of practice at the time of tendering.

**47. METHOD OF MEASUREMENTS:**

Except where any general or detailed description of the work in quantities expressly shows to the contrary, Schedule of Quantities shall be deemed to have been prepared and measurements shall be taken in accordance with the procedure set forth in the Schedule of Rates/Specifications notwithstanding any provision in the relevant standard Method of Measurement or any general or local custom. In the case of items, which are not covered by the Schedule of Rates/Specifications, measurements shall be taken in accordance with the relevant Standard Method of Measurement issued by the Indian Standard Institution.

**48. PAYMENT ON ACCOUNT:**

Interim bills shall be submitted by the Contractors at intervals mentioned on or before the date fixed by the Engineer-in-charge for the work executed. The Engineer-in-charge shall then arrange to have the bill verified by taking or causing to be taken, where necessary, the requisite measurements of the work.

**48.1** Payment on account for amount admissible shall be made on the Engineer-in-charge certifying the sum to which the Contractor is considered entitled by way of interim payment for all work executed after deducting there from the accounts already paid, the security deposit and such other amounts as may be deductible or recoverable in terms of the Contract.

**48.2** Any interim certificate given relating to work done or materials supplied may be modified or corrected by any subsequent interim certificate or by the final certificate. No certificate of the Engineer-in-charge supporting an interim payment shall of itself be conclusive evidence that any work or materials to which it relates is/are in accordance with the Contract.

**48.3** Pending consideration of extension of date of completion, interim payments shall continue to be made as herein provided.

**49. TIME LIMIT FOR PAYMENT OF FINAL BILL**

The Contractor shall submit the Final Bill within three months of physical completion of the works. The Contractor shall make no further claims after submission of the bill (final) and these shall be deemed to have been waived and extinguished. Payment of those items of the bill in respect of which there is no dispute and of items in dispute, for quantities and at rates as approved by Engineer-in-charge, shall be made within the period specified hereunder, the period being reckoned from the date of receipt of the bill by the Engineer-in-charge.

- a) Contract amount not exceeding Rs. 5 Lakhs..... two months
- b) Contract amount exceeding Rs. 5 Lakhs ..... three months

**50.** After payment of the amount of the final bill payable as aforesaid has been made, the Contractor may, if he so desires, reconsider his position in respect of the disputed portion of the final bill and if he fails to do so within 90 days his disputed claim shall be dealt with as provided in the Contract, provided however, no reimbursement or refund shall be made if the increase/decrease is not more than + 10% of the said price, and if so the reimbursement or refund shall be made only on the excess over + 10% provided that any increase will not be payable if such increase has become operative after the Contract extended date of completion of the works or items of work in question.

**51. OVER PAYMENTS AND UNDER PAYMENTS**

Whenever any claim for the payment of a sum of money to the Corporation arises out of or under this Contract against the Contractor, the same may be deducted by the Corporation from any sum

then due or which at any time thereafter may become due to the Contractor under this Contract and failing that, under any other Contract with the Corporation (which may be available with the Corporation) or from his security deposits or he shall pay the claim on demand.

**51.1** The Corporation reserves the right to carry out post payment audit and technical examination of the final bill including all supporting vouchers, abstracts, etc. The Corporation further reserves the right to enforce recovery of any over payment when detected, notwithstanding the fact that amount of the final bill may be included by one of the parties as an item of dispute before an arbitrator appointed under condition 52 of this Contract and notwithstanding the fact that the amount of the final bill figures the arbitration award.

**51.2** If as a result of such audit and technical examination any over payment discovered in respect of any work done by the Contractor or alleged to have been done by him under the Contract, it shall be recovered by the Corporation from the Contractor by any or all of the methods prescribed above or if any under payment is discovered, the amount shall be duly paid to the Contractor by the Corporation.

**51.3** Provided that the aforesaid right of the Corporation to adjust over payment against amounts due to the Contractor under any other Contract with the Corporation shall not extend beyond the period of two years from the date of payment of the final bill or in case the final bill is a Minus bill, from the date the amount payable by the Contractor under the minus final bill is communicated to the Contractor.

**51.4** Any amount due to the Contractor under this Contract for under payment may be adjusted against any amount then due or which may at any time thereafter become due before payment is made to the Contractor, from him to the Corporation on any other Contract or amount whatsoever.

## **52. DISPUTE RESOLUTION MECHANISM AND LAW:**

### **52.1 CONCILIATION:**

Notwithstanding anything contained in this contract, any disputes or differences whatsoever, which are to be settled amicably between the parties with their authorized representatives, shall be resolved through conciliation..

### **52.2 MEDIATION**

Any disputes or differences, which are not settled amicably through conciliation, then either of the parties, may approach for Mediation to settle under Mediation Act, 2023. The procedure is to be followed as prescribed in the Mediation Act, 2023 amended from time to time

### **52.3 AMRCD**

Any disputes or differences between the parties are not settled amicably with conciliation and/or Mediation, then such disputes or differences shall be resolved through Administrative Mechanism for Resolution of CPSEs Disputes (AMRCD). Any disputes or differences relating to interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs) / Port Trusts, inter-se and also between CPSE(s) and Government Department(s) / Organization(s) shall be taken by either party for its resolution through AMRCD.

### **52.4 ARBITRATION**

Any disputes or differences where 52.3 is not applicable, the parties may go for arbitration as per the provisions of Arbitration & conciliation Act, 1996 provided the disputes is restricted to less than Rs. 10 cr. (Ten Crores). This amount is with reference to the **value of the dispute** and not the **value of the contract** which may be much higher. In all other cases, arbitration shall not be a method of dispute resolution arising out of this contract.

### **52.5 JURISDICTION CLAUSE**

Jurisdiction of court shall be either the place where the work is executed or where the supply of materials is being made.

**52.6 WORK TO CONTINUE**

Works under the Contract should be continued by the Contractor during the pendency of the above dispute resolution mechanism procedure, unless otherwise directed in writing by the Corporation or the Engineer-in-charge or by the order passed by the court having jurisdiction mentioned hereinabove.

**53. LAWS GOVERNING THE CONTRACT:**

This Contract shall be governed by the Indian Laws for the time being in force and it shall be deemed to have been executed at Jaduguda, District Singhbhum (East), Jharkhand within the ordinary Civil Jurisdiction of the competent courts in the district of Singhbhum (East).

**URANIUM CORPORATION OF INDIA LIMITED**  
(A Government of India Enterprise)  
Department of Atomic Energy  
CIN: U 12000 JH 1967 GOI 000806

**SPECIAL CONDITIONS OF CONTRACT (SCC)**

1. **Period of the contract:** The period of contract shall be for 06(Six) months. The zero date shall be reckoned from 15 days after the date of issue of work order or from the date of handing over the site whichever is earlier.
2. **Payment Terms:** Two Running Account Bills and one final bill will be allowed.
3. **Working Hours:** - As follows:-
  - i. "A" Shift: - 07:00 A.M. to 03:00 P.M.
  - ii. "G" Shift: - 07:00 A.M. to 12:00 Noon and 02:00 P.M. to 05:00 P.M.
4. **Quantity Variation :-** +10%
5. **Mode of Measurement:** - The measurement shall be done based on actual work completed at site by the Service Provider.
6. Contractor has to make online payment **strictly as per the minimum wages act** to his employees before 7<sup>th</sup> of every month irrespective of clearance of bill from UCIL. Proof of making payment has to be produced along with the monthly bills submitted by the contractor. The contractor shall follow the payment of minimum wages as notified by the Labour Commissioner office Chaibasa as per their latest circular for Uranium Mines. As on date the prevailing rate of minimum wages are:-
  - i. Supervisor: - Rs. 805/-
  - ii. Skilled : - Rs. 805/-
  - iii. Semi-skilled: - Rs. 674/-
  - iv. Unskilled- Rs.541/-
7. **Escalation Formula (for minimum wage revision):-** No any escalation will be paid by the Corporation for this work.
8. Bonus, PF, ESI shall be paid/ provided by the contractor to their employees as per rule at his own cost.
9. Copy of PF challan shall be submitted by the Contractor to the office of Manager (Personnel), Turamdh before 10<sup>th</sup> of every month.
10. The contract shall be short closed with all penal actions including black listing the contractor who fail to pay the minimum wages and Provident Fund to their workers within the scheduled date.
11. **Procedure for Engaging Persons as per this Tender**
  - i. The names and other particulars of all the persons employed as per this tender will have to be entered in the A-Register of the mine before they are deployed in any job. For entering their names in to the A-Registers, the following documents will be required.
    1. Proof of Date of Birth.
    2. Copy of Aadhar Card.
    3. 2 nos. of photographs
    4. Copy of Bank Account Pass Book
  - ii. All persons to be employed by the contractor **will have to undergo Initial Medical Examination** (unless such person has already undergone within the preceding five years, a medical examination under Mines rules 1955 while in employment at another mine) and in case found to be medically fit will be considered for engagement. The medical test shall be carried out at UCIL Hospital by a Medical Officer appointed for the Mine. The tests are carried on specified days of the week. If the no. of candidates for any particular day is more than that allowed, the work may be started provided the B.P. of the person to be employed is within limits. However, the medical examination has to be conducted at next possible day.

Where, as a result of an initial medical examination made has been declared unfit for employment in mines or in a particular category of mines or in any specified operations in mine, he shall not be employed or continue to employed in mine or in the category of mines or on the operations specified, after the expiry of thirty days from the date of his medical examination. Full cost of medical examination under this clause, shall be borne by U.C.I.L.

- iii. The Commandant, C.I.S.F. **will issue photo identity cards** to each person and this has to be shown to the security agencies at the Mines Gate whenever he is required to enter the mines premises. For issuing the gate pass the contractor has to submit following documents:-
  - 1. Police Verification of the persons to be employed.
  - 2. 3 nos. of photographs
  - 3. Copy of identification
- 12. The Tenderers are advised to visit the site to acquaint themselves as to the nature and location of the work, the general and local conditions particularly those bearing upon transportation, physical condition of the site, conditions of the ground, quality and quantity of surface to be encountered, the character of equipment and facilities needed preliminary to and during the progress of the work, and all other matters which can be of, in any way affect the work the cost thereof under the contract. Tenderer must have qualified persons with full knowledge and experience to carry out these jobs.
- 13. The Contractor has to arrange his own welding / gas cutting set or any other accessories required.
- 14. The Contractor shall depute competent electrical Supervisor skilled enough to supervise the works. The Supervisor should have valid electrical competency certificate issued by state licensing board. Besides supervisor contractor has to obtain ESIC for 2 Skilled, 3 semi skilled and 6 unskilled persons. However the daily requirement of manpower may vary from job to job within the limit of above said manpower quantity.
- 15. **Safety and Security of UCIL's Materials** :Tenderer will be responsible for safe keeping of materials issued by UCIL on chargeable basis and on completion of work or during the course of work all materials issued to the tenderer shall be accounted for.(if any)
- 16. Contractor has to arrange his own vehicle to transport the men, materials, tools and tackles to work sites.
- 17. The contractor shall cover all materials at site with requisite insurance against theft, larceny, dacoity, fire, tempest, flood etc.
- 18. The special conditions given in this section shall supersede the conditions given elsewhere in this document.
- 19. **Power Supply** Unless otherwise specified, 3 phase, 415 Volts, 50 Hz power supply shall be provided by U.C.I.L. free of charge to the contractor at one point. Termination switchgear however, shall be provided by the contractor. Further extension if required shall be done by the contractor and nothing extra shall be paid on this account.
  - i. Unless otherwise specified in the contract, further power distribution to the various equipments shall be done by the contractor.
  - ii. Where the power supply has to be arranged by U.C.I.L. at more than one point as per the terms of the contract, the termination of all such power feeders in the incomer of respective control panels (provided by the contractor) shall be the responsibility of the contractor.
  - iii. The contractor shall not use the power supply for any other purpose than that for which it is intended for. No major fabrication work shall be done at site. The power supply shall be disconnected in case of such default and the contractor shall then have to arrange the required power supply at his cost.
- 20. No any material required for the work will be issued to the contractor by UCIL.
- 21. All the work shall be executed as per existing site conditions and no extra claim shall be entertained.

22. All Safety precautions should be maintained during execution of work. Contractor should arrange Safety appliances like Safety belt, helmet, gloves and gumboot etc at their own cost for this work. UCIL shall not provide any safety appliance under any circumstances. All the jobs must be done with utmost safety precautions as stipulated by DGMS, AERB and other statutory.
23. Regarding payment of royalty towards use of mining minerals, the rules already in vogue and amended from time to time shall be applicable.
24. Rate – Rate will be firm during the period of contract and no escalation in rates would be permissible during the contract period.
25. Basis of Evaluation: - L1 party shall be decided based on lowest total amount quoted by the bidder.
26. **Guarantee:** Each and every supplied material as well as installation shall be guaranteed for a period of one year from the date of final commissioning. Contractor will be responsible for any failure of installation/supplied materials during guarantee period.
27. The Contractor shall co-ordinate with PWD, local Bodies of Government for any related work.
28. The permission of the concerned govt. authorities for cutting the branches of the trees if any shall be taken before undertaking such job and all co-ordination in this regard shall be done by the Contractor.
29. Suitable safety measures should be adopted by the Contractor and as well as providing of same at his own cost for the personnel deployed to work at heights above 3.5 meters. This includes use of safety belts, safety net, safety ladder safety shoes etc. in line with the requirements of AERB regulations, Factories Act, 1948 and Atomic Energy (Factories) Rules, 1956.
30. The manpower deployed for the work shall be subject to verification from local police station. The gate pass shall be issued only after police verification is done.
31. **As built drawing:-** As built drawing to a suitable scale indicating the following shall be submitted:-
  - a) General layout of the building and parking area (will be provided by UCIL to the contractor).
  - b) Locations of main switchboard and distribution boards (TPN MDB & SPN MDB), indicating the circuit numbers controlled by them.
  - c) Positions of all points and their controls.
  - d) Types of fittings, viz. LED Tubelight fitting, Flood light fitting, ceiling fans and exhaust fans etc.
  - e) Wiring circuit diagram should get approved from engg.-in-charge before commencement of work.
32. GST and other taxes if applicable will be deducted from the contractor's bill. Hence before quoting, the contractor must consider the above as well as PF, Bonus, Profit and Overheads.
33. The bidder must quote only in the format given in the schedule. All the materials in the contractor's scope of supply should be got approved by the Engineer-in-charge or his representative before procurement and samples of materials if asked should be shown for approval.
34. The contractor should provide all required tools & tackles for execution of work.
35. The contractor has to enter the materials to be supplied by the contractor in UCIL Turamdihi through challan duly certified by CISF at main gate.

36. **Penalty Clause: -**

- i. LD @ 0.5% of Total Amount will be deducted from final bill for each one week delay in completion of work.
- ii. **For non-payment of wages to contract workers within schedule time:** Penalty of 10% on total statutory payment made by UCIL due to non-payment of wages to contract worker within schedule time.

37. **Defect Liability Period:-** 1 Year (12 Months) from the completion of work order.

38. **Recruitment of local candidates**

- i. The service provider shall fill up seventy-five percent of the total existing vacancies by local candidates.
- ii. During the process of employment of Local Candidates priority will be given to the representation of the displaced due to the establishment of U.C.I.L. and after that to the Local Candidates of East Singhbhum.
- iii. Provided that no local candidate shall be eligible to avail the benefits under the Jharkhand State Employment of Local Candidates in Private Sector Act, 2021 (Act No.-14 of 2021), unless he/she registers himself/herself on the designated portal. Local Candidates may register on the designated Portal through any of the two ways given in The Jharkhand State Employment of Local Candidate in Private Sector Rules, 2022.

39. **Documents to be submitted for execution of agreement:-** The contractor has to submit the following documents in hard copy to the office of the E.I.C. after award of Contract for execution of agreement with U.C.I.L.: -

- i. Security Money in the form as given in General Conditions of Contract Clause No. 9
- ii. Two nos. of Rs. 20/- non judicial stamp paper
- iii. Dummy paper – Total 6 nos.
- iv. Two copies of Uploaded tender document duly signed and stamped on each page
- v. Copy of ESIC/ Insurance (whichever is applicable as per Tender Doc.)

40. **Procedure for Submission of Bills**

- i. The service provider will send its authorised representative with stamp and authorisation letter to sign on the joint Measurement Book and provide 5 sets of the following documents (signed and stamped by the authorized representative) for releasing the R.A. bills:-
  1. Invoice copy clearly mentioning the SAC Code, UCIL GST No. 20AAACU2207N1ZO, Service Provider's GST No.
  2. The copy of GST Return filed by the service provider for previously passed R.A. bill.
  3. Muster Roll
  4. Wage Register Copy
  5. PF Submission Proof
  6. ESIC/Insurance submission proof
  7. Bank online statement for payment (including minimum wage, Bonus) confirmation
- ii. The service provider will send its authorised representative with stamp and authorisation letter to sign on the joint Measurement Book and provide 5 sets of the following documents (signed and stamped by the authorized representative) for releasing the final. bill:-
  1. Invoice copy clearly mentioning the SAC Code, UCIL GST No. 20AAACU2207N1ZO, Service Provider's GST No.
  2. The copy of GST Return filed by the service provider for previously passed R.A. bill.
  3. Muster Roll
  4. Wage Register Copy
  5. PF Submission Proof
  6. ESIC/Insurance submission proof
  7. Bank online statement for payment (including minimum wage, Bonus) confirmation
  8. No-Demand Certificate in U.C.I.L. format
  9. Estate Clearance Certificate from Personnel Section, Turamdih

- iii. The service provider will provide 4 sets of the following documents (signed and stamped by the authorized representative) for releasing the security deposit after completion of the defect liability period:-
  - 1. A request letter in its letterhead addressed to the E.I.C. for releasing the S.D. amount
  - 2. The copy of GST Return filed by the service provider for already passed final bill.

**URANIUM CORPORATION OF INDIA LIMITED**  
(A Government of India Enterprise)  
Department of Atomic Energy  
CIN: U 12000 JH 1967 GOI 000806

**TECHNICAL SPECIFICATIONS**

**Scope:-** The work covers the Power Supply and Electrification of newly constructed Turnstile Gate at Turamdh Mine viz. cable laying by digging trenches and backfilling with brick and sand protection/on wall by clamping, supply and installation of feeder pillar box, PDB, MDB, BDB etc, supply and installation of light fittings, ceiling fans, exhaust fan, AC etc, supply and installation of lightning protection system and earth pits and any other work mentioned in the schedule of items in the work order.

**Location/site:** Turamdh Plant area (Surface), Turamdh Mine.

**The supervision of above works:** The supervision includes execution of work at site; manage of manpower and their safety at work place. Competent person should be deployed for supervision. **Competent person means a person having valid State Supervisory Competency Certificate from State Govt. Licensing Board.**

**A. Feeder Pillar Box**

**1. CONSTRUCTION FEATURES**

- a) Feeder Pillar Box shall be outdoor, metal clad, floor mounted type.
- b) Feeder pillar box shall be dust proof and vermin proof.
- c) Minimum thickness of CRCA MS sheet member shall be 2mm.
- d) All doors and cutouts shall be provided with neoprene gaskets.
- e) All doors shall be supported by strong **concealed type** hinges.
- f) All relays, meters, and switches etc. shall be flush mounted type.
- g) All incoming terminals shall be provided with shrouds. Supports / shrouds shall be transparent and shall be made of SMC / DMC material. However Bakelite Hylam material is not acceptable and shall not be used anywhere in panels.
- h) The Feeder Pillar Box shall be provided with three phase buses and neutral bus bars of aluminium and shall be adequately supported and braced to withstand the stresses due to the short circuit. Maximum temperature rise of bus bars and bus bar connection while carrying rated current shall not exceed 40 C over an ambient temperature of 50 C. Bus bar sizing calculation shall be submitted for approval before start of fabrication..

**2. BUS AND BUS TAPS**

- a) The main buses and connection shall be of high grade of aluminium bus bars conductivity aluminium 1 aluminium alloy (Grade EC-91 E), sized for specified current ratings with max, temp. limited to 85 deg. C (35 deg. above 50 deg. ambient temp.).
- b) Bimetallic connector shall be provided for connection between dissimilar metals.
- c) Bus bars and connections shall be fully insulated for working voltage with adequate phase 1 ground clearances. Insulating sleeves for Bus bars and shrouds for joint shall be provided. Minimum clearance of 25 mm is required between phases and between phase & earth.
- d) Shrouds for bus bars joints / tapping points shall be of fiber glass only. Bus insulators shall be flame retardant, track resistant type with high creepage surface and of nonhygroscopic material such as epoxy / SMC / DMC.
- e) Bus bars shall be supported and braced to withstand the stresses due to max. short circuit current and also to take care of any thermal expansion.

**3. CONTROL AND SELECTOR SWITCHES**

- a) Control and selector switches shall be of rotary type having enclosed contacts, which are accessible by the removal of cover.
- b) Control and selector switches shall be of flush mounted type and on front of panels.
- c) Selector switches shall be of stay-put maintained contact type.
- d) Control switches shall be provided with escutcheon plate clearly marked to show the position.

**4. INDICATING METERS AND INSTRUMENTS**

Indicating instrument (96 x 96 mm) shall be digital meter, switch board type and accuracy class of (1% full scale  $\pm$  1 count)

#### **5. INDICATING LAMPS**

- a) Indicating lamps shall be of LED type, low watt consumption and provided with appropriate value of resistors. The LEDs shall also have an in-built surge suppressor.

#### **6. PUSH BUTTONS (if any)**

- a) All push buttons shall be of the push to actuate the contact type.
- b) All push buttons shall be oil tight and shall be provided with adequate no. of contacts.

#### **7. POWER AND CONTROL CABLE TERMINATION**

- a) Suitable supporting arrangement shall be provided for all power and control cables entering the Feeder Pilar Box.
- b) Removable undrilled gland plate of 3 mm thick of MS for multicore cables and 4mm thick of Aluminium for single core cables sufficient in size to accommodate all compression type, heavy duty brass glands shall be provided.
- c) Adequate termination arrangement shall be provided for all power cables which shall be aluminium conductor, PVC insulated, sheathed, armoured PVC sleeved overall, heavy duty cables, 1.1 KV grade. Power cables termination shall be by means of crimping type lugs on conductor cables.
- d) The terminal blocks shall be bolted lug type for cables. These shall be protected type and rated for 1100 Volts service. The minimum current rating of terminal block shall be as per MCCB/Switch rating mentioned in schedule of items. The construction shall be such that after the connection of cable by means of lugs, necessary clearance and creep age distance are available.

#### **8. INTERNAL WIRING**

- a) All internal wiring shall be carried out with stranded copper conductors, PVC insulated, 1100/650 V grade.
- b) Min. size of copper conductor 2.5 sq. mm for AC control wiring. Current transformer secondary wiring shall be with 2.5 sq. mm copper conductor.
- c) All wiring shall be run on the sides of the panels and shall be neatly bunched and shall not affect access to equipment mounted in the Feeder Pillar Box.
- d) Wiring shall be terminated on terminal blocks using crimping type lugs and without joints or tees on their runs.
- e) Power wiring shall be done either by phase identifying colored wires or suitably colored PVC sleeves shall be provided at each end of wire. The following wiring codes shall be used.
  - i. Instrument Transformer : Red, yellow or blue depending upon phase with which wire is associated.
  - ii. A-C phase wire : White
  - iii. A-C Neutral wire : Black
  - iv. Earth connection : Green

- f) PVC identification ferrules, yellow colour with black engraved letter shall be provided at each end of all control wires marked to correspond with equipment designation & termination numbers.
- g) Ferrules provided shall be oil tight and numbered from left to right.

#### **9. TERMINAL BLOCKS**

- a) Terminal blocks for control wiring shall be 650V grade 10 sq. mm size.
- b) Terminal blocks shall be grouped depending on circuit voltage. Different voltage groups of terminals blocks shall be segregated.
- c) Terminals blocks shall be numbered for identification and provision shall be provided for terminal labels.
- d) Terminal blocks requiring duplication shall be provided with solid bonding links.
- e) Terminal blocks for current transformer secondary lead wires shall be provided with shorting, disconnecting I earthing facilities.
- f) Terminal blocks and control wiring shall be so arranged that only one conductor of external wiring required to be terminated in at each terminal.

#### **10. GROUND BUS**

- a) A ground bus, rated to carry maximum fault current, shall extend to full length of the Feeder Pillar Box.
- b) The ground bus shall be provided with two-bolt drilling with GJ. bolts and nuts at each end to receive up to 75X 10 mm G.I. flat.
- c) Each stationary unit shall be connected directly to the ground bus. The frame of each MCCB/Switches and shall be grounded through heavy multiple contacts at all times.
- d) C.T. shall be earthed through removable links so that earth of one circuit may be removed without disturbing other.
- e) Frames and noncurrent carrying metal parts of all equipment mounted shall be effectively connected to earth bus.
- f) All hinged doors shall be connected to earth bus by flexible tinned bare copper wire.
- g) Instrument and relay cabinets shall be connected to earth by 2.5 sq. mm stranded copper insulated wire 1100 V grade.

## 11. SPACE HEATERS

Each cubicle shall be provided with thermostat controlled space heaters.

## 12. AC POWER SUPPLY

- a) The Feeder Pillar Box shall be suitable to receive following power supplies.

AC Supply: Single Feeder

- b) Isolating switch fuse units/MCCB shall be provided at each switchgear for the incoming supplies, 4-pole, single throw for AC.
- c) Bus-wires of adequate capacity shall be provided to distribute the incoming supplies to different cubicles. MCCBs units shall be provided at each cubicle for AC supplies.
- d) AC load shall be so distributed as to present a balance loading on three phase supply system.

## 13. NAME PLATES

- a) Name plates of anodized aluminium shall be furnished at cubicle and at each instrument, device mounted on and inside the cubicle.
- b) Caution notice on suitable metal plate shall be affixed at Feeder Pillar Box..
- c) Blank Name plates for feeders shall be provided on front and back of the Feeder Pillar Box.

## 14. TROPICAL PROTECTION

- a) All equipment, accessories and wiring shall have fungus protection, involving special treatment of insulation and metal against fungus, insects and corrosion.
- b) Screens of corrosion resistant material shall be furnished on all ventilating louvers to prevent the entrance of insects.

## 15. PAINTING

- a) All surfaces shall be sand blasted, pickled and grounded as required to produce a smooth, clean surface free of scale, grease and rust.
- b) After clearing, the surfaces shall be given a phosphate coating followed by 2 coats of high quality primer and stoved after each coat.
- c) The panels shall be finished with two coats of Siemens Grey (Shade RAL 7032) powder coated / Polyester enameled.

## 16. DEVIATIONS

Deviation from specification must be stated in writing at the quotation stage. In absence of such a statement, it will be assumed that the requirements of the specifications are met without exception.

### B. Wiring

#### 1. Point Wiring:-

##### 1.1. Definition:-

A point (other than socket outlet point) shall include all work necessary in complete wiring to the following outlets from the controlling switch or MCB:-

- i. Ceiling rose or connector (in the case of points for ceiling/exhaust fan points, pre wired light fittings and call bells).
- ii. Ceiling rose (in the case of pendants except stiff pendants)
- iii. Back plate (in the case of stiff pendants).
- iv. Lamp holder (in the case of goose neck type wall brackets, batten holders and fittings which are not prewired).

#### 1.2. Scope:-

Following shall be deemed to be included in point wiring.

- i. Conduit accessories for the same and wiring cables between the switch box and the point outlet, loop protective earthing of each fan/ light fixture.
- ii. All fixing accessories such as clips, nails, screws, phil plug, rawl plug etc. as required.
- iii. Metal/ PVC switch boxes for control switches, regulators, sockets etc, recessed or surface type of modular type or piano type with phenolic laminated sheet covers over the same as required and as mentioned in BOQ.
- iv. Outlet boxes, junction boxes, pull through boxes etc. but excluding metal boxes if any, provided with switchboards for loose wires/ conduit terminations.
- v. Any special block required for neatly housing the connector.
- vi. Control switch or MCB, as specified in BOQ/ drawings.
- vii. 3/5 pin or 6 pin socket, ceiling rose or connector as required.
- viii. Connections to ceiling rose, connector, socket outlet, lamp holder, switch etc.
- ix. Bushed conduit or porcelain tubing where cables pass through wall etc.
- x. Interconnecting wiring between switches within the switch box on the same circuit.

#### 1.3. Material:-

- i. The system of wiring shall consist of ISI marked single core, PVC insulated, FRLS, 1100 volt grade, standard, flexible copper conductor wires as per IS:694 amended up to date.
- ii. The conduit and accessories shall be as mentioned in the schedule of items and prior approval from engineer-in-charge in written required before bulk supply.

#### 1.4. Conductor Size:-

Wiring shall be carried out with following sizes of wires-

- a. Light/ fan/ call bell/ exhaust fan point – 1.5 sq mm
- b. 5 amp plug points – 1.5 sq mm
- c. Light circuit – 1.5 sq mm
- d. Power point – 6.0 sq mm

#### 1.5. Size of Earth wires shall be as per following table –

Size of point/ circuit/ sub-main wires	Earth Wire
2 X 1.5 sq mm	1 X 1.5 sq mm
2 X 2.5 sq mm	1 X 2.5 sq mm
2 X 4 sq mm	1 X 4 sq mm
2 X 6 sq mm	1 X 6 sq mm
2 X 10 sq mm	1 X 10 sq mm
2 X 16 sq mm	1 X 16 sq mm
4 X 6 sq mm	2 X 6 sq mm
4 X 10 sq mm	2 X 10 sq mm
4 X 16 sq mm	2 X 16 sq mm

#### 2. Measurement:-

##### 2.1. Point Wiring (Other than socket outlet/ points):-

- i. Unless and otherwise specified, there shall be no linear measurement for point wiring for light points, fan points, exhaust fan points and call bell points. These shall be measured on unit basis by counting.

- ii. No separate measurement will be made for interconnections between points in the same distribution circuit and for the circuit protective (loop earthing) conductors between metallic switch boxes.

#### **2.2. Point wiring for socket outlet points:-**

- i. The light plug (5A/6A) point and power (15A/16A) point wiring shall be measured on linear basis, from the respective tapping point of live cable, namely switch box, another socket outlet point, or the sub distribution board as the case may be, up to the socket outlet.

#### **2.3. Group Control points wiring:-**

- i. In the case of points with more than one point controlled by the same switch, such point shall be measured in parts i.e.
  - a. From the switch to the first point outlet as one point (Primary point), and
  - b. For the subsequent points each shall be treated as separate point (additional/secondary)
- ii. No recovery shall be made for non-provision of more than one switch in such cases.

#### **2.4. Twin Control light point wiring:-**

- i. A light point controlled by two numbers of two way switches shall be measured as two point.
- ii. No recovery shall be made for non-provision of more than one ceiling rose/ connector in such cases.

### **3. CIRCUIT AND SUBMAIN WIRING:-**

#### **3.1. CIRCUIT WIRING:-**

Circuit wiring shall mean the wiring from the distribution board up to the first tapping point inside the switch box from where point wiring starts.

#### **3.2. SUB MAIN WIRING: -** Sub main wiring shall mean the wiring from one main/distribution switchboard to another and from Distribution Board to Power Outlet / AC Outlet.

### **4. MEASUREMENT OF SUBMAIN / CIRCUIT WIRING:-**

- i. Circuit and sub main wiring shall be measured on linear basis along the run of the wiring. The measurement shall include all length from end to end of conduit or channel or casing and capping as the case may be, exclusive of interconnections inside the switch board etc. The increase on account of diversion or slackness shall not be included in the measurement.
- ii. The length of circuit wiring with two wires shall be measured from the distribution board to the nearest switch box from which the point wiring starts. Looping of switch box also will be counted towards circuit wiring, measured along the length of conduit / channel.
- iii. When wires of different circuits are grouped in a single conduit/ channel, the same shall be measured on linear basis depending on the actual number and sizes of wires run.
- iv. Protective (loop earthing) conductors, which are run along the circuit wiring and the submain wiring, shall be measured on linear basis and paid for separately.

**Note:** - Conduit carrying sub main will not carry circuit/ point wiring. Similarly conduit carrying circuit wiring will not carry sub main/ point wiring. Conduit carrying point wiring will not carry sub main/ circuit wiring.

### **5. SYSTEM OF DISTRIBUTION AND WIRINGS:-**

- i. Main distribution board shall be controlled by an incoming 4 Pole isolator and RCCB . Each outgoing circuit shall be controlled by a circuit breaker on the phase or live conductor.
- ii. The branch distribution board shall be controlled by a TPN MCB. Each outgoing circuit shall be provided with a MCB of specified rating on the phase or live conductor.
- iii. The load of the circuits shall be divided, as far as possible, evenly between the numbers of ways of the distribution boards, leaving at least one spare circuit for future.
- iv. The neutral conductors (incoming and outgoing) shall be connected to a common link (multi way connector) in the distribution board and be capable of being disconnected individually for testing purposes.

### **6. BALANCING OF CIRCUITS:-**

The balancing of circuits in three wire or poly phase installations shall be arranged up to the satisfaction of the Engineer-in-charge.

## 7. WIRING SYSTEM:-

- a) The wiring shall be done only by the “Looping system”. Phase or live conductors shall be looped at the switch boxes. For point wiring neutral / earth wire looping for the first point shall be done in the switch box, and neutral / earth looping of subsequent point will be made from point outlet.
- b) In wiring, no joints in wiring will be permitted anywhere, except in switch box or point outlets, where jointing of wires will be allowed with use of suitable connector.
- c) Lights, fans and call bells shall be wired in the ‘lighting’ circuits. 15A/16A socket outlets and other power outlets shall be wired in the ‘Power’ circuits. 5A/6A socket outlets shall also be wired in the “Lighting” circuit unless mentioned otherwise.
- d) The wiring throughout the installation shall be such that there is no break in the neutral wire except in the form of a linked switch gear.
- e) Surface wiring shall run, as far as possible, along the walls and ceiling so as to be easily accessible for inspection.
- f) In all types of wiring, due consideration shall be given for neatness, good appearance and safety.
- g) Colour coding:

Phase	: Red / Yellow / Blue (three phase wiring)
Live	: Red (single phase wiring)
Neutral	: Black
Earth	: Green

- h) Termination of Circuit into Switchboard

Circuit will consist of phase/ neutral/ earth wire. Circuit will terminate in a switch board (first tapping point, where from point wiring starts) in following manner:-

- Phase wire terminated in phase connector
- Neutral wire terminated in neutral connector
- Earth wire terminated in earth connector

The switchboard will have phase, neutral and earth terminal connector blocks to receive phase/ neutral/ earth wire.

## 8. PASSING THROUGH WALLS OR FLOORS :-

- i. When wiring cables are to pass through a wall, these shall be taken through a protection (PVC) pipe or porcelain tube of suitable size such that they pass through in a straight line without twist or cross in them on either end of such holes. .
- ii. Where a wall pipe passes outside a building so as to be exposed to weather, the outer end shall be bell mouthed and turned downwards and properly bushed on the open end.
- iii. All floor openings for carrying any wiring shall be suitably sealed after installation.

## 9. JOINTS IN WIRING:-

- i. No bare conductor in phase and/or neutral or twisted joints in phase, neutral, and/or protective conductors in wiring shall be permitted.
- ii. There shall be no joints in the through-runs of cables. If the length of final circuit or sub main is more than the length of a standard coil, thus necessitating a through joint, such joints shall be made by means of approved mechanical connectors in suitable junction boxes.
- iii. Termination of multi stranded conductors shall be done using suitable crimping type thimbles.

## 10. Ratings of Outlets

- i. Ceiling fans shall be rated at 60 W. Exhaust fans, LED tubes, LED Flood light fitting shall be rated according to their capacity. Control gear losses shall be also considered as applicable.
- ii. 6A and 16A socket outlet points shall be rated at 100W and 1000W respectively unless the actual values of loads are specified.

## 11. Capacity of Circuits

- i. Lighting circuit shall feed light/fan/ call bell points. Each circuit shall not have more than 800 Watt connected load or more than 10 points whichever is less.
- ii. Power circuit will have only one outlet per circuit.
- iii. Load more than 1 kW shall be controlled by suitably rated MCB and cable size shall be decided as per calculations or as given in schedule of items.

## **12. Socket Outlets**

- i. 5A/6A and 15A/16A socket outlets shall be installed at the following positions, unless otherwise specified:-
  - a. 23 cm above floor level.
  - b. Bathroom: - No socket outlet is permitted for connecting a portable appliance thereto. MCB/ IC Switch may be provided above 2 m for fixed appliances and at least 1 m away from shower.

## **13. CONFORMITY TO I.E. ACT, I.E. RULES AND STANDARDS:-**

- i. All electrical works shall be carried out in accordance with the provisions of the Indian Electricity Act, 2003 and CEA Regulations (Measures relating to safety) 2010 amended up to date.
- ii. The work shall also conform to relevant Indian Standard codes of practice for the type of work involved.
- iii. In all electrical installation works, relevant safety codes of practice shall be followed.
- iv. The complete wiring installation shall conform to IS: 732 amended up to date.

## **14. GENERAL REQUIREMENTS OF COMPONENTS:-**

### **14.1. QUALITY OF MATERIALS:-**

All materials and equipment supplied by the contractor shall be new. They shall be of such design, size and material as to satisfactorily function under the rated conditions of operation and to withstand the environmental conditions at site.

### **14.2. RATING OF COMPONENTS:-**

- i. All components in a wiring installation shall be of appropriate ratings of voltage, current and frequency, as required at the respective sections of the electrical installation in which they are used.
- ii. All conductors, switches and accessories shall be of such size as to be capable of carrying the maximum current which will normally flow through them, without their respective ratings being exceeded.

### **14.3. CONFORMITY OF STANDARDS :-**

All components shall conform to relevant Indian Standard specification, wherever existing. Materials with ISI certification mark shall be preferred. However for conduits, wiring cables, piano/tumbler switches and socket outlets, ISI marked materials shall only be permitted.

### **14.4. INTERCHANGEABILITY:-**

Similar parts of all switches, lamp holders, distribution boards, switch gears, ceiling roses, brackets, pendants, fans and all other fittings of the same type shall be interchangeable in each installation.

## **C. SWITCHES & RECEPTACLES (Piano Type)**

### **1. CONTROL SWITCHES FOR POINTS:-**

- i. The switch box or regulator box shall be hot dipped galvanized, factory fabricated. The wall thickness shall not be less than 1.2 mm (18 gauge) for boxes up to a size of 20 cm x 30 cm, and above this size 1.6 mm (16 gauge) thick boxes shall be used. The metallic boxes shall be duly painted with anticorrosive paint before erection.
- ii. Where a large number of control switches and/or fan regulators are required to be installed at one place, these shall be installed in more than one outlet box adjacent to each other for ease of maintenance.
- iii. An earth terminal with stud & 2 metal washers shall be provided in each box for termination of protective conductors and for connection to socket outlet/metallic body of fan regulator etc.
- iv. Clear depth of the box shall not be less than 50 mm, and this shall be increased suitably to accommodate mounting of fan regulators in flush pattern.
- v. The fan regulators can also be mounted on the switch box covers, if so directed by the Engineer-in-charge.
- vi. Control switches (single pole switches) carrying not more than 16 A shall be of piano type, as specified, and the switch shall be "ON" when the nob is down.
- vii. Only MCB's shall be used for controlling industrial type socket outlets.

- viii. Control switch shall be placed only in the live conductor of the circuit. No single pole switch or fuse shall be inserted in the protective (earth) conductor, or earthed neutral conductor of the circuit.
- ix. All switches, regulators, outlets & other accessories shall be white colour with matching white cover plate. In no case ivory or off white switches shall be accepted.
- x. All switches shall be as per IS 3854 amended up to date.

## **2. SOCKET OUTLETS:-**

- i. Socket outlet shall be of the same type, white piano type as their control switches. These shall be rated either for 5A/6A or 15A/16A. Combined 5A/15A or 6A/16A six pin socket outlet shall be provided in 'power' circuits.
- ii. In an earthed system of supply, socket outlets and plugs shall only be of 3 pin type, the third pin shall be connected to earth through protective (loop earthing) conductor. 2 pin or 5 pin sockets shall not be permitted to be used.
- iii. Every socket outlets shall be controlled by a switch or MCB, as specified. The control switch/MCB shall be connected on the 'live' side of the line.
- iv. Outlet boxes for socket outlets (both 15A/16A and 5A/6A) points shall be of size 175 mm x 100mm.
- v. Unless and otherwise specified, the control switches for the 5A/6A and 15A/16A socket outlets shall be kept along with the socket outlets.
- vi. All sockets shall be as per IS 1293 amended up to date.

## **3. SWITCH BOX COVERS:-**

Phenolic laminated sheets of approved white shade (same as switches and sockets) shall be used for switch box covers. These shall be of white 3 mm thick synthetic phenolic resin bonded laminated sheet as base material and conforming to grade P-I of IS:2036-1974, Secured to the box with counter sunk C.P. Brass Screws. The corners of cover plates shall be at right angle.

## **D. SWITCHGEAR AND CONTROLGEAR**

### **1. GENERAL ASPECTS:-**

- i. All items of switchgear and distribution boards (DB's) shall be metal clad type.
- ii. The types, rating and/or categories of switch gear and protective gear shall be as specified in the tender schedule of work.
- iii. RCCB's where specified, shall conform to the requirements of current rating, fault rating, single phase or three phase configuration and sensitivity laid down in the tender documents.
- iv. While each outgoing way of distribution board (D.B.) shall be of miniature circuit breaker (MCB) as specified, and of suitable rating on the phase conductor, the corresponding earthed neutral conductor shall be connected to a common neutral terminal block and shall be capable of being disconnected individually for testing purpose.
- v. Independent earth terminal block.  
Every distribution board (single phase as well as three phase) shall have an earth terminal block identical to, but independent from neutral terminal block, to enable termination of protective (loop earthing) conductors (incoming as well as out goings) individually by screwed connection and without twisting.
- vi. Earthing terminal (1 for single phase and 2 for three phase) shall be provided on the metal cladding of switches and D.B.'s for body earthing. These shall be suitably marked.
- vii. Knock out holes, with or without end plates as per standard design of manufacturers, shall be provided in the metal cladding of switches and D.B.'s for termination of conduits/cables.
- viii. Each distribution board shall be provided with a circuit list giving details of each circuit which it controls and the current rating of the circuit, and the size of the fuse element.

### **2. MCB TYPE DISTRIBUTION BOARDS (MCB DB) :-**

- i. MCB DB's may be of single phase, three phase (horizontal type) suitable for feeding single phase loads or 3 phase (vertical type) suitable for feeding single phase as well as three phase loads, each phase isolation type three phase DB in which each phase can be isolated by a separate circuit breaker or

RCCB, as specified. These shall be complete with accessories, but without MCB's, which shall be specified as a separate item in the tender documents.

- ii. The current ratings and the number of ways shall be as specified. Blanking plates shall be provided to close unused ways. These shall be indicated as a separate item in the Schedule of work.
- iii. MCB DB's shall be of surface/flush mounting pattern according to the requirement of their location, and shall be suitable to accommodate MCB's and MCB type isolators and RCCB (ELCB) at incoming in single pole or multipole configuration, as required.
- iv. MCB DB's shall be double door type, dust and vermin proof conforming to IP 42, and shall be fabricated out of CRCA sheet steel, 1.6 mm thick, with stove enameled paint finish.
- v. In case of Concealed / Recessed D.B.'s, cutting of brick work, providing suitable lintel, making good the wall including plastering etc. with necessary civil work including all Civil material shall be included in contractor's scope for proper completion of work.
- vi. MCB DB's shall have removal type end plates with knock-outs at the bottom and top, and shall have hinged covers with locking arrangement.
- vii. Only the knobs of the MCB's shall protrude out of the front covers through openings neatly machine made for the purpose.
- viii. The bus bars used shall be solid electrolytic copper of appropriate sections.
- ix. Din bar(s) shall be provided for mounting the MCB's.
- x. The complete board shall be factory fabricated and shall be duly pre-wired in the works, ready for installation at site.
- xi. The board shall be fully pre wired with single core PVC insulated copper conductors/insulated solid copper links, and terminated on to extended type terminal connectors, suitable for connections to the sizes of the respective conductors.
- xii. All incoming and outgoing wiring to the pre wired MCB DB's shall be terminated only in the extended terminal connectors to be provided within the DB. The terminal connectors shall therefore be so provided as to facilitate easy cable connections and subsequent maintenance.

### **3. WORKMANSHIP:-**

- i. Good workmanship is an essential requirement to be complied with. The entire work of electrification and installation shall conform to sound engineering practice.
- ii. The work shall be carried out under the direct supervision of a first class licensed foreman, or of a person holding a certificate of competency issued by the state Government for the type of work involved, employed by the contractor, who shall rectify then and there the defects pointed out by the Engineer-in-charge during the progress of work.

### **4. COMMISSIONING ON COMPLETION:-**

Before the workman leaves the work finally, he must make sure that the installation is in commission, after due testing.

## **E. EARTHING**

### **1. SCOPE :-**

This chapter covers the essential requirements of earthing system components and their installation. For details not covered in these specifications. IS code of Practice on Earthing (IS:3043-1987) shall be referred to.

### **2. INSTALLATION :-**

#### **2.1. ELECTRODES :-**

- i. Plate electrode shall be buried in ground with its faces vertical, and its top not less than 3 m below the ground level. The installation shall be carried out as per standard drawing.
- ii. When more than one electrode is to be installed, a separation of not less than 2 m shall be maintained between two adjacent electrodes.
- iii.
  - a) The strip or conductor electrode shall be buried in trench not less than 0.5 m deep.
  - b) If condition necessitate the use of more than one strip or conductor electrode, they shall be laid as widely distributed as possible, in a single straight trench where feasible, or preferably in a number of trenches radiating from one point.

iv. Normally an earth electrode shall not be located closer than 1.5 m from any building. Care shall be taken to see that the excavation for earth electrode does not affect the foundation of the building; in such cases, electrodes may be located further away from the building, with the prior approval of the Engineer-in-Charge.

**3. WATERING ARRANGEMENT :-**

- i. In the case of plate earth electrodes, a watering pipe 20mm dia. medium class pipe shall be provided and attached to the electrodes. A funnel with mesh shall be provided on the top of this pipe for watering the earth.
- ii. The watering funnel attachment shall be housed in a masonry enclosure of size not less than 30cm\*30cm\*30cm.
- iii. A cast iron/MS frame with MS cover, 6 mm thick, and having locking arrangement shall be suitably embedded in the masonry enclosure.

**4. EARTHING CONDUCTOR (Main earthing lead):-**

- i. The earthing conductor shall be securely terminated on to the plate with two bolts, nuts, check nuts and washers.
- ii. A double C-clamp arrangement shall be provided for terminating tape type earthing conductor with GI watering pipe coupled to the pipe earth electrode. Galvanized "C" shaped strips, bolts, washers, nuts and check nuts of adequate size shall be used for the purpose.
- iii. The earthing conductor from the electrode up to the building shall be protected from mechanical injury by a medium class 15 mm dia GI pipe in the case of wire, and by 40 mm dia, medium class GI pipe in the case of strip. The protection pipe in ground shall be buried at least 30 cm deep (to be increased 60 cm in case of road crossing and pavements). The portion within the building shall be recessed in walls and floors to adequate depth in due coordination with the building work.
- iv. The earthing conductor shall be securely connected at the other end to the earth stud/earth bar provided on the switchboard by:
  - a. Soldered or preferably crimped lug, bolt, nut and washer in the case of wire, and,
  - b. Bolt, nut and washer in case of strip conductor.
  - c. Earthing Terminal / neutral point / earth bus in case of equipments / sub stations.

**5. PROTECTIVE (Loop earthing/earth continuity) CONDUCTOR :-**

- i. Earth terminal of every switchboard in the distribution system shall be bonded to the earth bar/terminal of the upstream switchboard by protective conductor(s).
- ii. Two protective conductors shall be provided for a switchboard carrying a 3 phase switch gear thereon.
- iii. All the mountings of industrial type switchboards shall be bonded to the earth stud/earth bar using a protective conductor looping from one to another. Loop earthing of individual units will not be however necessary in the case of cubical type switchboards.
- iv. The earth connector in every distribution board (DB) shall be securely connected to the earth stud/earth bar of the corresponding switchboard by a protective conductor.
- v. All metallic switch boxes and regulator boxes in a circuit shall be connected to the earth connector in the DB by protective conductor (also called circuit protective or loop earthing conductor), looping from one box to another up to the DB.
- vi. The earth pin of socket outlets as well as metallic body of fan regulators shall be connected to the earth stud in switch boxes by protective conductor. Where the switch boxes are non-metallic type, these shall be looped at the socket earth terminals, switch or at an independent screwed connector inside the switch box. Twisted earth connections shall not be accepted in any case.
- vii. Double earthing strips in rising mains, bus trunking etc. shall be securely connected to the earth bar/earth stud at the sending end switchboard. In the case of overhead bus bar systems, protective conductors shall be provided in addition to feeder cable armouring connection.

**6. EARTH RESISTANCE:-**

- i. The earth resistance at each electrode shall be measured. No earth electrode shall have a greater ohmic resistance than 5 ohms as measured by an approved earth testing apparatus. In rocky soil the resistance may be up to 8 ohms.

- ii. Where the above stated earth resistance is not achieved, necessary improvement shall be made by additional provisions, such as additional electrode(s), different type of electrode, or artificial chemical treatment of soil etc., as may be directed by the Engineer-in-charge.

## 7. MARKING :-

- i. Earth bars/terminals at all switchboards shall be marked permanently either as "E".
- ii. Main earthing terminal shall be marked "SAFETY EARTH - DO NOT DISCONNECT

## F. LIGHTNING PROTECTION

### 1.1. Materials

- 1.1.1. The materials of air terminations, down conductors, earth termination etc. of the protective system shall be reliably, resistant to corrosion, or be adequately protected against corrosion.

### 1.2. Layout

- 1.2.1. The system design and layout shall be done in accordance with IS/IEC 62305-3

#### 1.2.2. Down Conductors

- a) Routing of Down conductors except concrete embedded down conductors
  - i. A down conductor should follow the most direct path possible between the air terminal network and the earth termination network. The down conductors should be arranged as evenly as practicable around the outside walls of the structures.

### 1.3. Installation

#### 1.3.1. General

- a) The entire lightning protective system should be mechanically strong to withstand the mechanical forces produced in the event of a lightning strike. The materials used shall be tested as per IEC 62561.
- b) Conductors shall be securely attached to the building or other object to be protected, by fasteners which shall be substantial in construction, not subject to breakage, and shall be of stainless-steel materials.
- c) The lightning conductors shall be secured as below.
  - i. Horizontal conductor on Horizontal surface 1.0 meters
  - ii. Horizontal conductor on vertical surface 0.5 meters for tape, stranded and soft drawn round conductors and 1.0 meters for round solid conductors
  - iii. Vertical conductors from ground up to 20 meters 1.0 meter
  - iv. Vertical conductors from 20 meters and thereafter, 0.5 meters for tape, stranded and soft drawn round conductors and 1.0 meters for round solid conductors
- d) Conductors embedded in RCC shall be connected to construction steel at every 3 meter by a tested clamp, additionally bonded by a tying wire at every 1.0 meter to the steel in columns beans, slabs.

**1.3.2. Air Terminations** All air terminals shall be effectively secured against overturning either by attachment to the object to be protected, or by means of substantial bracings and fixings which shall be permanently and rigidly attached to the building. The method and nature of the fixings should be simple, solid and permanent, due attention being given to the climatic conditions and possible corrosion.

#### 1.3.3. Down Conductors

- a) The down conductor system must, where practicable, be directly routed from the air termination to the earth termination network, and as far as possible, be symmetrically placed around the outside walls of the structure starting from the corners.
- b) Bonding to Prevent Side Flashing Any metal in, or forming a part of the structure, or any building services having metallic parts which are in contact with the general mass of the earth, should be either isolated from, or bonded to the down conductor. If isolation is preferred, the minimum separation distances shall be maintained. This also applies to all exposed large metal items having any dimension greater than 2 m whether connected to the earth or not.

**1.3.4. Joints and Bonds** All joints and bonds shall use components tested to IEC 62561.

##### 1.3.4.1. Joints

- a) A lightning protective system should have as few joints as possible.
- b) Joints should be mechanically and electrically effective, for example, clamped, screwed, bolted, crimped, riveted or welded.
- c) With overlapping joints, the length of the overlap should be as per the recommendation of IEC 62561
- d) Contact surfaces should first be cleaned, and then inhibited from oxidation with a suitable noncorrosive compound.
- e) Joints of dissimilar metals should be protected against corrosion or erosion from the elements, or the environment and should present an adequate contact area.

#### 1.3.4.2. Bonds

- a) Bonds have to join a variety of metallic parts of different shapes and composition and cannot therefore be of a standard form.
- b) There is the constant problem of corrosion and careful attention must be given to the metals involved, i.e. the metal from which the bond is made, and those of the items being bonded.
- c) The bond must be mechanically and electrically effective, and protected from corrosion in, and erosion by the operating environment.
- d) External metal on, or forming part of a structure, may have to discharge the full lightning current, and its bond to the lightning protective system should have a cross-sectional area not less than that employed for the main conductors.

#### 1.3.4.3. Test Joints

Each down conductor should be provided with a test joint in such a position that, while not inviting unauthorized interference, it is convenient for use when testing. For concrete embedded down conductors, this condition is not applicable.

### G. CABLE WORK.

- 1.1. TYPES OF CABLES: - The cables shall be Cross linked polyethylene insulated, PVC sheathed (XLPE), with stranded aluminium conductors having galvanized round steel wires armouring conforming to IS: 7098 (Part-1) – 1988 amended up to date. The cables shall be of sizes 4C X 16 Sq mm, 3.5C X 35 Sq mm and 3.5 C X 70 Sq mm as specified in BOQ item no. 1.
- 1.2. Methods of laying: - The cables shall be laid direct in ground (BOQ Item No. 2) or on surface of wall (BOQ Item No. 3)

#### 1.3. Laying direct in ground

#### 1.4. Trenching

1.4.1. **Width of trench** The minimum width of the trench for laying a single cable shall be 35cm.

1.4.2. **Depth of trench** The total depth of trench shall not be less than 75cm

#### 1.4.3. Excavation of trenches

- a) The trenches shall be excavated in reasonably straight lines. Wherever there is a change in the direction, a suitable curvature shall be adopted such that the cables are not bent to a sharp radius. The minimum safe bending radius shall be 12 times the overall diameter of the cable.
- b) Where gradients and changes in depth are able, these shall be gradual.
- c) The bottom of the trench shall be level from stones, brick bats etc.
- d) **The excavation should be done by suitable manual means.** The excavated soil shall be stacked firmly by the side of the trench such that may not fall back into the trench.
- e) Adequate precautions should be taken not to damage any existing cable (s), pipes or any other such installations in the route during excavation. Wherever bricks, tiles or protective covers or bare cables are encountered, further excavation shall not be carried out without the approval of the Engineer-in-Charge.
- f) Existing property, if any, exposed during trenching shall be temporarily supported adequately as directed by the Engineer-in-Charge. The trenching in such cases shall be done in short lengths, necessary pipes laid for passing cables therein and the trench refilled.

- g) If there is any danger of a trench collapsing or endangering adjacent structures, the sides should be well shored up with sheeting as the excavation proceeds. Where necessary, these may even be left in place when back filling the trench.
- h) Excavation through lawns shall be done in consultation with the Department concerned.

#### 1.4.4. Laying of cable in trench

- a) **Sand cushioning** The trench shall then be provided with a layer of clean, dry, sand cushion of not less than 8cm in depth, before laying the cables therein.
- b) **Testing before laying** At the time of issue of cables for laying, the cables shall be tested for continuity and insulation resistance
- c) Any suitable method of direct handling and laying can be adopted without strain or excess bending of the cables.
- d) After the cable has been so uncoiled, it shall be lifted slightly over the rollers beginning from one end by helpers standing about 10m apart and drawn straight. The cable shall then be lifted off the rollers and laid in a reasonably straight line.
- e) **Testing before covering** The cables shall be tested for continuity of cores insulation resistance and the cable length shall be measured, before closing the trench. The cable end shall be sealed/ covered.
- f) **Sand covering** Cables laid in trenches in a single tier formation shall have a covering of dry sand of not less than 17cm above the base cushion of sand before the protective cover is laid.
- g) **Extra loop cable** At the time of original installation approximately 3m of surplus cable shall be left on each terminal end of the cable and on each side of the underground joints. The surplus cable shall be left in the form of a loop.
- h) **Mechanical protection over the covering** Mechanical protection to cables shall be laid over the covering to provide warning to future excavators of the presence of the cable and also to protect the cable against accidental mechanical damage by pickaxe blows etc. Unless otherwise specified, the cables, shall be protected by second class brick of nominal size 22cm x11.4cm x 7cm or locally available size, placed on top of the sand. The bricks shall be placed breadth-wise for the full length of the cable.

#### 1.4.5. Back filling

- a) The trenches shall be then back-filled with excavated earth, free from stones or other sharp edged debris and shall be rammed and watered, if necessary in successive layers not exceeding 30 cm depth.
- b) Unless otherwise specified, a crown of earth not less than 50mm and not exceeding 100mm in the centre and tapering towards the sides of the trench shall be to allow for subsidence. The crown of the however, should not exceed 10 cms. so as not to be a hazard to vehicular traffic.
- c) Where road berms or lawns have been cut out of necessity, or kerb stones displaced, the same shall be repaired and made good, except for turfing/asphalting, to the satisfaction of the Engineer-in-Charge, and all the surplus earth or rock shall be removed to places as specified.

#### 1.4.6. Route markers

- a) **Location: - Route** markers shall be provided along the cables at locations approved by the Engineer-in-Charge and generally at intervals not exceeding 100m. Markers shall also be provided to identify change in the direction of the cable route and at locations of underground joints.
- b) **Plate type marker** Route markers shall be made out of 100mm x 5mm GI/aluminum plate welded/bolted on 35mm x 35mm x 6mm angle iron, 60cm long. Such plate markers shall be mounted parallel to and at about 0.5m away from edge of the trench.
- c) **Inscription** The words 'UCIL-LV CABLE' as the case may be inscribed on the marker.

#### 1.4.7. Laying in pipes

In locations such as road crossing, entry in to buildings, paved areas etc., and cables shall be laid in GI pipes not less than 50 mm in diameter.

##### 1.4.7.1. Road crossings

- a) The top surface of pipes shall be at a minimum depth of 1m from the pavement level when laid under roads, pavements etc.
- b) The pipes shall be laid preferably askew to reduce the angle of bend as the cable enters and leaves the crossing.
- c) When pipes are laid cutting an existing road, care shall be taken so that the soil filled up after laying the pipes is rammed well in layers with watering required to ensure proper compaction. A crown of earth not exceeding 10cm should be left at the top.
- d) After the subsidence has ceased, the top of the filled up trenches in roadways or other paved areas shall be restored to the same density and material as the surrounding area to the satisfaction of the Engineer-in-charge.

1.4.7.2. **Cable entry into the building** Pipes for cable entries to the building shall slope downwards from the building. The pipes at the building end shall be suitably sealed to avoid entry of water, after the cables are laid.

1.4.7.3. Cable-grip / draw-wires, winches etc. may be employed for drawing cables through pipes / closed ducts.

1.4.7.4. Measurement for drawing/ laying cables in pipes shall be on the basis of the actual length of the pipe for each run of the cable, irrespective of the length of cable drawn through.

#### 1.4.8. **Laying on surface**

1.4.8.1. Cables may be laid in surface by Directly clamped by saddles or clamps,

##### 1.4.8.2.

- a) The saddles used for fixing the cables upto and including 25 sq mm on surface shall be 1 mm thick and fixing intervals shall be 45 cm and clamps used for fixing the cables 35 sq mm to 120 sq mm on surface shall be 3 mm thick 25 mm wide and fixing intervals shall be 60 cm. The fixing intervals specified apply to straight runs. In case of bends, additional clamping shall be provided at 30 cm from the centre of the bend on both sides.
- b) Saddles shall be secured with screws to suitable approved plugs. Clamps shall be secured with nuts on to the bolts, grouted in the supporting structure in an approved manner.
- c) Cables shall be fixed neatly without undue sag or kinks.

1.4.9. **Cable identification tags** : - Whenever more than one cable is laid / run, side by side, marker tags as approved, inscribed with cable identification details shall be permanently attached to cables laid direct in at specified intervals, before the trenches are filled.

**URANIUM CORPORATION OF INDIA LIMITED**  
(A Government of India Enterprise)  
Department of Atomic Energy  
CIN: U 12000 JH 1967 GOI 000806

**FORMS OF BID**

**(1)**

**UNDERTAKING NOT TO GIVE ANY GIFT /INDUCEMENT IN CONNECTION WITH  
SECURING ANY FAVOUR IN DEALING WITH UCIL**

Date:

To,

M/s. Uranium Corporation of India Ltd  
PO Jaduguda Mines,  
Distt -East Singhbhum  
Jharkhand - 831 012

I / We ..... am / are a Vendor / Customer of Uranium Corporation of India Ltd (now onwards to be referred as Company).

I / We agree and undertake:

Not to provide any gift and / or inducement to any employee of the Company in connection with securing / being granted favour (s) in my / our dealings with the Corporate office of the company and / or its any field units.

To immediately report any gift and / or inducement sought by any employee of the Company granting favour(s) to me / us in my / our dealings with the Company and / or its field units.

Signature.....

Name.....

Title.....

Name of the Company and Address (with Seal).....

(2)  
**SECURITY / CONFIDENTIALITY AGREEMENT**

**THIS AGREEMENT**, made and entered into this \_\_\_\_<sup>th</sup> day of \_\_\_\_\_, 20- - by and between **URANIUM CORPORATION OF INDIA LTD.**, a company incorporated under Indian Companies Act having its registered office at PO Jaduguda, Distt - East Singhbhum, Jharkhand 831 012, India (hereinafter called "UCIL") on one part and \_\_\_\_\_, a company duly incorporated under ..... with its registered office ..... (hereinafter called \_\_\_\_\_) includes its successors and permitted assigns, on the other part.

WITNESSETH:

WHEREAS:

- A. UCIL intends to purchase \_\_\_\_\_ from \_\_\_\_\_ (Name of the company).
- B. \_\_\_\_\_ (Name of the company) intends to produce \_\_\_\_\_ at their project in \_\_\_\_\_ (Name of the place) and intend to sell the same to UCIL
- C. The parties, therefore, intend to enter into an MoU and subsequently an agreement for the sale and purchase of \_\_\_\_\_.

**NOW, THEREFORE**, in consideration of the premises and the mutual covenants herein contained, the parties hereto agree as follows:

1. The term "Confidential Information" means:
  - (1) All details supplied by UCIL/ (Name of the company) on technical, commercial and other information and data on the Process.
  - (2) All details supplied by UCIL/ (Name of the company) on technical, commercial and other information and data relating to the products.
2. Each party hereto shall keep secret and confidential any and all confidential information it receives from any other party or parties hereto under this Agreement, and shall not use such Confidential Information for any purposes except for the said tender purpose hereunder. The obligations under this Article shall not apply to any information or data that :
  - (i) at the time of its disclosure hereunder is in the public domain,
  - (ii) after disclosure hereunder becomes part of the public domain by publication or otherwise through no fault of the party to whom such information or data is disclosed hereunder ("Receiving party") (but only after it is published or otherwise becomes part of the public domain),
  - (iii) the Receiving Party can show in its possession at the time of disclosure hereunder and which the Receiving party, without breach or any obligation is free to disclose to others, or
  - (iv) was received by the Receiving Party after the time of disclosure by a party hereto ("Disclosing Party") hereunder from a third party who did not acquire it, directly or indirectly, from the Disclosing Party under an obligation of confidence and which the Receiving party, without breach of any obligation, is free to disclose to others.

For the purpose of this Article 2, information or data which is specific, e.g., those on operating conditions or equipment shall not be deemed to be within the foregoing exceptions merely because it is embraced by general information or data in the public domain or in the possession of Receiving Party. In addition, any combination of features shall not be deemed to be within the foregoing exceptions merely because individual features are in the public domain or in the possession of the Receiving Party, but only if the combination itself and its principle of operation are in the public domain or in the possession of the Receiving Party.

3. The Receiving Party shall limit the access to the Confidential Information received hereunder to its directors, officers and employees, who (i) need to have access with such Confidential Information, (ii) have been informed of the confidential nature thereof and (iii) have agreed to undertake the obligations of non-disclosure and non-use of such Confidential Information.
4. Upon request of UCIL, .....(name of the party) shall, free of charge, promptly return to UCIL all the Confidential information received from UCIL hereunder.
5. Each party hereto shall not, without the other party's prior express written consents, disclose or allow the disclosure of the existence of this Agreement.

6. It is mutually understood and agreed that no license or other rights are granted to any party hereto under this Agreement, by implication or otherwise, for any of the patents or patents applications of any other party hereto or as to any information and data disclosed by any other party or parties hereto under this Agreement.
7. None of the parties may assign its rights or obligations hereunder without the prior written consent of the other parties.
8. The obligation of non-disclosure and non-use of the Confidential information under this Agreement shall remain in effect for five (5) years after the date hereof and shall terminate upon lapse of said five (5) years.
9. This Agreement shall be governed by and construed in accordance with Indian laws.
10. Each party hereto acknowledges and agrees that monetary damages for any breach or threat of breach of this Agreement are inadequate. Each party hereto shall, therefore, be entitled to seek and obtain temporary and injunctive relief for any breach or threat of breach of this Agreement relating to its Confidential Information, in addition to any other remedy.

**IN WITNESS WHEREOF**, the parties hereto have caused this Agreement to be executed in duplicate by their duly authorized representatives on the day and year first above written. The original shall remain with UCIL and the duplicate with .....(name of the party).

1. For \_\_\_\_\_  
(Name)

Designation

Witness:

1.  
(Name)  
Designation

2.  
(Name)  
Designation

2. For Uranium Corporation of India Ltd.

( Name)  
Designation

Witness:

1.  
(Name)

Designation

2.  
(Name)

Designation

(3)  
**PRE CONTRACT INTEGRITY PACT**

General

This pre-bid pre-contract Agreement (hereinafter the Integrity Pact) is made on ..... day of the month of ..... year ..... between Uranium Corporation of India Ltd (hereinafter called the "BUYER" which expression shall mean and include, unless the context otherwise requires, his successors in office and assigns) of the First Part and M/s. ..... (hereinafter called the "BIDDER / Seller" which expression shall mean and include, unless the context otherwise requires, his successors and permitted assigns) of the Second Part.

WHEREAS the BUYER proposes to procure (Name of the Stores / Equipment / Item) and the BIDDER/Seller is will to offer / has offered the stores and

WHEREAS the BIDDER is a private company / public company / Government undertaking / partnership / registered export agency, constituted in accordance with the relevant law in the matter and the BUYER is a PSU.

**NOW, THEREFORE,**

To avoid all forms of corruption by following a system that is fair, transparent and free from any influence / prejudiced dealings prior to, during and subsequent to the currency of the contract to be entered into with a view to:-

Enabling the BUYER to obtain the desired said stores/equipment at a competitive price in conformity with the defined specifications by avoiding the high cost and the distortionary Impact of corruption on public procurement, and

Enabling BIDDERS to abstain from bribing or indulging in any corrupt practice in order to secure the contract by providing assurance to them that their competitors will also abstain from bribing and other corrupt practices and the BUYER will commit to prevent corruption, in any form, by its officials by following transparent procedures.

The parties hereto hereby agree to enter into this Integrity Pact and agree as follows:

**Commitments of the BUYER**

- 1.1 The BUYER undertakes that no official of the BUYER, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward, favour or any material or immediate benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.
- 1.2 The BUYER will, during the pre-contract stage, treat all BIDDERS alike, and will provide to all BIDDERS the same information and will not provide any such information to any particular BIDDER which could afford an advantage to that particular BIDDER in comparison to other BIDDERS
- 1.3 All the officials of the BUYER will report to the appropriate Government office any attempted or completed breaches of the above commitments as well as any substantial suspicion of such a breach.

- 2 In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the BUYER will full and verifiable facts and the same is prima facie found to be correct by the BUYER, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BUYER and such a person shall be debarred from further dealings related to the contract process. In such a case while an enquiry is being conducted by the BUYER the proceedings under the contract would not be stalled.

3

**Commitments of BIDDERS**

4 The BIDDER commit itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract or post-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the followings:-

3.1 The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER, connected directly or indirectly with the bidding process, or to any person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

3.2 The BIDDER further undertakes that it has not given, offered or promised to give, directly or indirectly any bribe, gift, consideration, reward, favour, any material or immaterial benefit or other advantage, commission, fees, brokerage or inducement to any official of the BUYER or otherwise in procuring the Contract or forbearing to do or having done any act in relation to the obtaining or execution of the contract or any other contract for showing or forbearing to show favour or disfavor to any person in relation to the contract or any other contract.

3.3 The BIDDER further confirms and declares to the BUYER that the BIDDER has not engaged any individual or firm or company whether Indian or foreign to intercede, facilitate or in any way to recommend to the BUYER or any of its functionaries, whether officially or unofficially to the award of the contract to the BIDDER, nor has any amount been paid, promised or intended to be paid to any such individual, firm or company in respect of any such intercession, facilitation or recommendation.

3.4 The BIDDER, either while presenting the bid or during pre-contract negotiations or before signing the contract, shall disclose any payments he has made, is committed to or intends to make to officials of the BUYER or their family members, agents, brokers or any other intermediaries in connection with the contract and the details of services agreed upon for such payments.

3.5 The BIDDER will not collude with other parties interested in the contract to impair the transparency, fairness and progress of the bidding process, bid evaluation, contracting and implementation of the contract.

3.6 The BIDDER will not accept any advantage in exchange for any corrupt practice, unfair means and illegal activities.

3.7 The BIDDER shall not use improperly, for purposes of competition or personal gain, or pass on to others, any information provided by the BUYER as part of the business relationship, regarding plans, technical proposals and business details, including information contained in any electronic data carrier. The BIDDER also undertakes to exercise due and adequate care lest any such information is divulged.

3.8 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.

3.9 The BIDDER shall not instigate or cause to instigate any third person to commit any of the actions mentioned above.

3.10 If the BIDDER or any employee of the BIDDER or any person acting on behalf of the BIDDER, either directly or indirectly, is a relative of any of the officers of the BUYER, or alternatively, if any relative of an officer of the BUYER has financial interest/stake in the BIDDER's firm, the same shall be disclosed by the BIDDER at the time of fill of tender. The term 'relative' for this purpose would be as defined in Section 6 of the Companies Act 1956

3.11 The BIDDER shall not lend to or borrow any money from or enter into any monetary dealings or transactions, directly or indirectly, with any employee of the BUYER.

## 5 Previous Transgression:

5.1 The BIDDER declares that no previous transgression occurred in the last three years immediately before signing of this Integrity Pact, with any other company in any country in respect of any corrupt practices envisaged hereunder or with any Public Sector Enterprise in India or any Government Department in India that could justify BIDDER's exclusion from the tender process.

5.2 The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

## 6 **Earnest Money (Security Deposit)**

6.1 While submitting commercial bid, the BIDDER shall deposit an amount \_\_\_\_\_ (to be specified in RFP) as Earnest Money / Security Deposit, with the BUYER through any of the following instruments:

- (i) Bank Draft or a Pay order in favour of \_\_\_\_\_
- (ii) A confirmed guarantee by an Indian Nationalized Bank, promising payment of the guaranteed sum to the BUYER on demand within three working days without any demur whatsoever and without seeking any reasons whatsoever. The demand for payment by the BUYER shall be treated as conclusive proof of payment.
- (iii) Any other mode or through any other instrument (to be specified by the RFP).

6.2 The Earnest Money / Security Deposit shall be valid upto complete conclusion of the contractual obligations to the complete satisfaction of both the BIDDER and the BUYER.

6.3 In case of the successful BIDDER a clause would also be incorporated in the Article pertaining to Performance Bond in the Purchase Contract that the provisions of Sanctions for Violation shall be applicable for forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

6.4 No interest shall be payable by the BUYER to the BIDDER on Earnest Money / Security Deposit for the period of its currency.

## 7 **Sanctions for Violations**

7.1 Any breach of the aforesaid provisions by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the BUYER to take all or any one of the followings actions, wherever required:-

- (i) To immediately call off the pre contract negotiations without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER(s) would continue.
- (ii) The Earnest Money Deposit (in pre-contract stage) and/or Security Deposit / Performance Bond (after the contract is signed) shall stand forfeited either fully or partially, as decided by the BUYER and the BUYER shall not be required to assign any reason therefore.
- (iii) To immediately cancel the contract, if already signed, without giving any compensation to the BIDDER.
- (iv) To recover all sums already paid by the BUYER, and in case of an Indian BIDDER with interest thereon at 2% higher than the prevailing Prime Lending Rate of State Bank of India, while in case of BIDDER from a country other than India with interest thereon at 2% higher the LIBOR. If any outstanding payment is due to the BIDDER from the BUYER in connection with any other contract for any other stores, such outstanding payment could also be utilized to recover the aforesaid sum and interest.
- (v) To encash the advance bank guarantee and performance bond / warranty bond, if furnished by the BIDDER, in order to recover the payments, already made by the BUYER, along with interest.
- (vi) To cancel all or any other Contracts with BIDDER. The BIDDER shall be liable to pay compensation for any loss or damage to the BUYER resulting from such cancellation / rescission and the BUYER shall be entitled to deduct the amount so payable from the money(s) due to the BIDDER.
- (vii) To debar the BIDDER from participating in future bidding processes of Indian Rare Earths Limited for a minimum period of five years, which may be further extended at the discretion of the UCIL.

- (viii) To recover all sums paid in violation of this Pact by BIDDER(s) to any middleman or agent or broker with a view to securing the contract.
- (ix) In cases where irrevocable Letters of Credit have been received in respect of any contract signed by the BUYER with the BIDDER, the same shall not be opened.
- (x) Forfeiture of Performance Bond in case of a decision by the BUYER to forfeit the same without assigning any reason for imposing sanction for violation of this Pact.

7.2 The BUYER will be entitled to take all or any of the actions mentioned at Para 6.1 (i) to (x) of this Pact also on the Commission by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER), of an offence as defined in Chapter IX of the Indian Penal code, 1860 or Prevention of Corruption Act, 1988 or any other statute enacted for prevention of corruption.

7.3 The decision of the BUYER to the effect that a breach of the provisions of this Pact has been committed by the BIDDER shall be final and conclusive on the BIDDER. However, the BIDDER can approach the Independent Monitor(s) appointed for the purposes of this Pact.

## **8 Independent Monitors**

- 8.1 The BUYER has appointed Independent Monitors (hereinafter referred to as Monitors) for this Pact in consultation with the Central Vigilance Commission (Names and Addresses of the Monitors to be given).
- 8.2 The task of the Monitors shall be to review independently and objectively, whether and to what extent the parties comply with the obligations under this Pact.
- 8.3 The Monitors shall not be subject to instructions by the representatives of the parties and perform their functions neutrally and independently.
- 8.4 Both the parties accept that the Monitors have the right to access all the documents relating to the project/procurement, including minutes of meetings.
- 8.5 As soon as the Monitor notices, or has reason to believe, a violation of this Pact, he will so inform the Authority designated by the BUYER.
- 8.6 The BIDDER(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the BUYER including that provided by the BIDDER. The BIDDER will also grant the Monitor upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor shall be under contractual obligation to treat the information and documents of the BIDDER/Subcontractor(s) with confidentiality.
- 8.7 The BUYER will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the parties. The parties will offer to the Monitor the option to participate in such meetings.
- 8.8 The Monitor will submit a written report to the designated Authority of BUYER with 8 to 10 weeks from the date of reference or intimation to him by the BUYER/BIDDER and, should the occasion arise, submit proposals for correcting problematic situations.

## **9 Facilitation of Investigation**

In case of any allegation of violation of any provision of this Pact or payment of commission, the BUYER or its agencies shall be entitled to examine all the documents including the Books of Accounts of the BIDDER and the BIDDER shall provide necessary information and documents in English and shall extend all possible help for the purpose of such examination.

## **10 Law and Place of Jurisdiction**

This pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the BUYER.

## **11 Other Legal Actions**

The actions stipulated in this Integrity Pact are without prejudice to any other legal action that may follow in accordance with the provisions of the extant law in force relating to any civil or criminal proceedings.

## **12 Validity**

12.1 The validity of this Integrity Pact shall be from date of its signing and upto the complete execution of the contract to the satisfaction of both the BUYER and the BIDDER/Seller, including warranty period, whichever is later. In case BIDDER is unsuccessful, this Integrity Pact shall expire after six months from the date of signing of the contract.

12.2 Should one or several provisions of this Pact turn out to be invalid, the remainder of this Pact shall remain valid. In this case, the parties will strive to come to an agreement to their original intentions.

13 The Parties hereby sign this Integrity Pact at \_\_\_\_\_ on\_\_\_\_\_.

BUYER

BIDDER

Signature  
Name of the Officer  
Designation

Witness

1

\_\_\_\_\_

Witness

1

\_\_\_\_\_

2

2

### **MEDICAL CERTIFICATE OF FITNESS FOR EMPLOYMENT**

I hereby certify that I have examined Shri/Smt/Kum..... a candidate for employment in the ..... Department and found him/her medically

- i. Fit.....
- ii. Unfit on account of .....
- iii. Temporary unfit on account of .....

His/her marks of identification.

1. \_\_\_\_\_

2. \_\_\_\_\_

and blood group is \_\_\_\_\_

**Medical Officer's**

**Signature:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Registration No.** \_\_\_\_\_

**Schedule-B**

**No any material will be supplied by the corporation to the Contractor for this work.**

**SCHEDEULE-C**

**CORPORATION's T&P**

<b>Sl. No.</b>	<b>Description</b>	<b>Value</b>
1	Nil	Nil

## **SCHEDULE-F**

1. Accepting Authority	Uranium Corporation of India Limited
2. Market rate percentage addition to overheads and profit	3.85%
3. Security Deposit	10 (Ten) percent of the contract sums including earnest money
4. Date of Commencement	15 (fifteen) days from the date on which written order issued to commence the work or from the date of handing over the site whichever is earlier.
5. Date of Completion	06 (Six) months from the date of commencement
6. Agreed liquidated damage	Up to a maximum of 5 percent of the contract
7. Defect Liability Period	12 (Twelve) Months from the date of completion.
8. On account payment	02 R.A. Bills and final bill
9. Refund of Security Deposit	<ul style="list-style-type: none"> <li>• 50% shall be refunded on the Engineer-in-Charge certifying in writing that the work has been completed as per condition 31 of G.C.C.</li> <li>• Remaining 50% on expiry of the Defects liability period or after payment of the Final bill payable whichever is later.</li> </ul>
10. ESIC	For 1 Skilled Supervisor, 2 skilled Electricaian, 3 semi-skilled Electricians and 06 unskilled Persons.
11. Authority for appointing arbitrator	As per clause 52 (Dispute Resolution Mechanism and Law) of G.C.C.

\

(Form to be filled in Non-Judicial paper of Rs. 20/- & submitted by the Contractor workers)  
Attested by Notary Public.

**Affidavit cum Declaration**

I, ..... S/o..... of village.....

P.O..... P.S..... Town .....

District..... Jharkhand, by faith.....by occupation.....

....., do hereby solemnly affirm and declare as follows:-

- (1) That I am working with M/s....., who has been awarded work order no..... dated..... from UCIL Jaduguda.
- (2) That I am fully aware that I am Contractor worker of the aforesaid Contractor and, as such, I or my successor shall not have any claim of employment with UCIL at any time, in case of fatal accident or termination/completion of period of work order. I shall not place a demand for employment with UCIL in future also.

**Verification**

Identified by Sri.....

The Statement made above are true to the best of my knowledge, belief and information and I Sign on..... at .....  
.....

**Deponent**

The deponent is known to me & has signed in my presence.

**Advocate**

## **APPLICATION FOR ISSUE OF HEIGHT PASS**

Valid for 1 years/365 days from the date of issue unless cancelled /withdrawn earlier by the issuing authority. It should be revalidated free of cost on due application to Industrial Safety Section. In case of loss, application must apply and appear for the practical tests.

1. Full Name of applicant (Block letters):
2. Present Address :
3. Permanent Address :
4. Age :
5. Sex:
6. Height:
7. Gate Pass No.:
8. Date of Issue of G/Pass:
9. Name of Contractor with whom engaged at present :
10. Ref. W/Order No :
11. Description of present job :
12. Previous experience of working at height :
 

Sl . No.	Name of Employer	Duration of employment won
13. Do you suffer from any of these ailments:  
(Write YES/NO against each)
 

a) Blood pressure	b) Epilepsy
c) Frequent Headache or reeling sensation	d) Flat Foot
e) Mental Depression	f) Limping gait

### Declaration:

I hereby declare that the above information furnished by me is true & correct .I shall always wear the safety belt and the lifeline whenever working at height or in depth of above 10ft.I shall not misuse the height pass issued to me or transfer it to any other person .I shall never come to duty or work at height /depth under influence of alcohol.

Date:

Name: \_\_\_\_\_

Signature:

## **MEDICAL EXAMINATION**

Part-2

- a) Blood pressure : .....
- b) Flat foot : .....
- c) Epilepsy : .....
- d) Mental Depression : .....
- e) Frequent Headache or reeling sensation : .....
- f) Limping Gait : .....

I, Dr....., have examined Shri ..... and found that he is suffering / not suffering from any height related illness.  
I certify him fit / not fit to work at height.

Date of medical test: -----

Signature Regn No & Seal: -----

## **PHYSICAL TEST**

Part-3

Date of Physical test:

(The above applicants has appeared at the following practical tests conducted by safety section of UCIL and results are given below)

a) Walking freely over horizontal bar at 1 ft .height	:PASS / FAIL
b) Wearing a safety belt & tying the nut	: PASS / FAIL
c) Walking freely over horizontal structure at 10ft .height	: PASS / FAIL
d) General physique	: PASS / FAIL

The above applicants performance in the above test has been satisfactory /unsatisfactory. He has been issued a height pass bearing Sl.No.

(If found unsatisfactory, mention reason)

Date:

Signature of issuing authority

(UCIL Safety Officer)

Name:

Designation:

Prepared By:

Approved By:

Issued By:

**URANIUM CORPORATION OF INDIA LIMITED**  
**(A Government of India Enterprise)**  
**Department of Atomic Energy**  
**CIN: U 12000 JH 1967 GOI 000806**

**BILL OF QUANTITIES**

(For Reference Only)  
(Only to be filled in Price Part and Not to be filled with technical Part)

Sl. No.	Item Description	Quantity	Units
1	2	4	5
1	<b>Supplying and testing of PVC insulated PVC sheathed /XLPE, round steel armoured aluminium conductor power of 1.1 KV grade conforming to IS: 7098(PART-I) 1988 or latest amendment following size etc. Make -Gloster, Havells, Polycab,etc.</b>		
1.01	4C x 16 Sqmm	250.000	Mtr
1.02	3.5CX35 Sqmm.	150.000	Mtr
1.03	3.5CX70 Sqmm.	150.000	Mtr
2	<b>Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective brick covering and refilling the trench etc as required.</b>		
2.01	Upto 35 sq. mm	350.000	Mtr
2.02	Above 35 sq. mm and upto 95 sqmm.	120.000	Mtr
3	<b>Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.</b>		
3.01	Upto 35 sq. mm (clamped with 1mm thick saddle)	50.000	Mtr
3.02	Above 35 sq. mm and upto 95 sqmm.(clamped with 25x3 mm MS clamp)	30.000	Mtr
4	Excavation of the cable trenches in hard rock/PCC/RCC not exceeding 1.5 metres in width, and lift upto 1.5 metres including getting out the excavated soil.	20.000	Cubic Mtr
5	<b>Providing and laying in position cement concrete in specified grade excluding the cost of centering shunting- all work upto Plinth level.</b>		
5.01	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm)	5.000	Cubic Mtr
6	<b>Providing, laying and fixing following dia G.I. pipe (medium class) in ground complete with G.I. fittings including trenching (75 cm deep)and re-filling etc as required</b>		
6.01	50 mm dia	25.000	Mtr
7	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	10.000	Nos
8	<b>Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.</b>		
8.01	4 X 16 sq. mm (28mm)	100.000	Nos

8.02	3.5CX35 Sqmm.	10.000	Nos
8.03	3.5CX70 Sqmm.	6.000	Nos
9	Supply, testing and fixing of LED type tube light fitting, Mas LED Tube 30/40 w, 4000/6000 lumen, 865 TB /EQUIVALENT WITH BATTEN. Make - Philips.	20.000	Nos
10	Supply, installation testing and commissioning of Garden Light PHILIPS SLIDE PEDESTAL GREY-B22 - Outdoor Garden Post Light with LED bulb, 20 watt with all electrical accessories, civil items including electrical connection & Civil masonry work of base foundation etc as per direction of Engineer incharge.	40.000	Nos
11	Supply fixing testing and commissioning of Philips Saturn LED ceiling light (Sleek Elegant Ceiling Light), 18 Watt, Body Colour-Gold Dimensions 250mmx65mmx250mm (LXBXH) recess mounted with complete fixing of Existing false ceiling metalic frame etc as per direction of engineer incharge.	14.000	Nos
12	Supply and installation of Area Lighting LED Fitting System Wattage: 35 W, IP Rating: IP66, Lumen Output: 3500 Lm, System Efficacy: 100 Lm/W, Color Temperature: 5700 k, CRI: 70, Housing- LM6 High Pressure Die Cast Aluminium, Cover Glass, Mounting: Wall/ Bracket, THD: < 10%, PF: >.95, Voltage: 140-270 V AC 50 Hz, Type- BVP120LED70CWFGS1PSUGR, Make- Philips. Supply and installation of all fixing materials are in the scope of contractor.	8.000	Nos
13	<b>Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer ) as required .</b>		
13.01	12 way (4 + 36), Double door	1.000	Nos
14	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, 63 A/100A, residual current circuit breaker (RCCB), having a sensitivity current 100 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.	1.000	Nos
15	Supplying and fixing following rating, four pole, 100 A, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.	1.000	Nos
16	<b>Supplying and fixing 5 A to 32 A rating(AS DIRECTED BY ENGG. IN CHARGE), 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.</b>		
16.01	Single pole	30.000	Nos
16.02	Double pole	25.000	Nos
16.03	Triple pole	4.000	Nos
16.04	Triple pole and neutral	4.000	Nos
17	Supplying and fixing of following ways horizontal three pole and neutral sheet steel , MCB distribution board , 415 V surface/ recess , dust protected, duly powder painted, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar interconnections, including earthing etc. (but without MCBs and incomer ) as required .a). 4 Way (4+12), double door	3.000	Nos

18	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	100.000	Nos
19	<b>Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.(All supply items are also in the scope of contractor.)</b>		
19.01	Group C	90.000	Point
20	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.(All supply items are also in the scope of contractor.)	280.000	Mtr
21	<b>Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.</b>		
21.01	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	100.000	Mtr
21.02	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	60.000	Mtr
21.03	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	300.000	Mtr
21.04	4 X 10 sq. mm +2 X 6 sq. mm earth wire	150.000	Mtr
22	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	28.000	Nos
23	Supplying and fixing 30 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 30 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	2.000	Nos
24	Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	6.000	Nos
25	Supply,installation,testing and commissioning of 1200mm sweep,BEE 5 Star rated,ceiling fan with brushless direct current (BLDC) Motor,class of insulation:-B,03 nos. blades,30 cm long down rod,02 nos. canopies,shackle kit,safety rope,copper winding,power factor not less than 0.9,service value(CM/M/W) minimum 6.00,air delivery minimum 210 cum/min,350 rpm(tolerance as per IS:373-2019),thd less than 10%, remote unit for speed control and all remaining accessories including safety pin,nut bolts,washers,temperature rise = 75 deg C (max.),insulation resistance more than 02 mega ohm,suitable for 230V,50 Hz,single phase A.C. Supply,earthing etc. complete as required.	20.000	Nos

26	Supply and installation of heavy duty exhaust fans, 450 mm sweep, single phase, (230+/- 10%) volt complete with louvers. This also includes all masonry work and supply of all fixing materials for fan and louvers.	2.000	Nos
27	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	4.000	Set
28	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	160.000	Mtr
29	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	4.000	Nos
30	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For horizontal run)	124.000	Mtr
31	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run)	50.000	Mtr
32	Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 nos. of G.I. bolts, nuts, chuck nuts and spring washers etc. complete as required.	2.000	Nos
33	Supply and installation of FEEDER PILLAR BOX having 250 Amp MCCB as incomer with ELR protection and multifunction meter (ammeter, voltmeter & energy meter) and 100 Amp MCCB as outgoings-05 Nos. Automatic Light Controller-01 No. There should be terminals for incoming and outgoing connections	1.000	Nos
34	Supply, Testing and Commissioning of split A.C. energy saver, 1.5 ton A.C with stabilizer 220 V, 50 Hz. Make-LG/VOLTAS.	2.000	Nos

**URANIUM CORPORATION OF INDIA LIMITED**  
(A Government of India Enterprise)  
**Department of Atomic Energy**  
**CIN: U 12000 JH 1967 GOI 000806**

**STANDARD FORMATS: BID SECURITY, PERFORMANCE SECURITY, ADVANCE PAYMENT SECURITY, FORM OF AGREEMENT**

(4)

## **PROFORMA FOR BANK GUARANTEE AGAINST PERFORMANCE GUARANTEE**

WHEREAS on or about the \_\_\_\_\_ day of \_\_\_\_\_ M/s \_\_\_\_\_ (Tenderer's name & address), having its registered office situated at \_\_\_\_\_ (Postal address) (herein after referred to as 'The Tenderer') entered into a contract bearing reference no. \_\_\_\_\_ dtd. \_\_\_\_\_ with \_\_\_\_\_ Uranium Corporation of India Ltd, a company incorporated under Indian Companies Act, having its registered office at PO Jaduguda Distt - East Singhbhum, Jharkhand- 831 012 , India (herein after referred to as UCIL), for \_\_\_\_\_ (details of order) (herein after referred to as 'The Contract').

AND WHEREAS the Agreement provides that the tenderer shall furnish a Bank Guarantee for Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) being \_\_\_\_\_% (\_\_\_\_\_percent ) of the total agreement value as Guarantee for the due fulfillment by the tenderer of the terms and conditions contained in the Agreement, the guarantee remaining valid till the completion of the guarantee period.

We \_\_\_\_\_ Bank do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on a demand from UCIL stating that the amount claimed is due by way of loss or damage caused to or that would be caused to or suffered by UCIL by reason of breach by the said tenderer of any of the terms or conditions contained in the said Agreement or by reason of the Bidder's failure to perform the said agreement. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only).

We undertake to pay to UCIL any money so demanded notwithstanding any dispute or disputes raised by the tenderer in any suit or proceeding pending before any court or tribunal relating thereto, our liability under these present being absolute and unequivocal. The payment so made by us under this guarantees shall be valid discharge of our liability for payment thereunder and the tenderer shall have no claim against us for making such payment.

We \_\_\_\_\_ Bank further agree that the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of UCIL under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till UCIL certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said bidder and accordingly discharges this Guarantee.

We also agree that interest at the rate of 12% (twelve percent) per annum will be paid by us to the UCIL from the date of demand for payment till the actual date of payment made by us.

Our Guarantee shall remain in force until and unless a demand or claim under this guarantee is made on us in writing within six months from the expiry of the Guarantee period, we shall be discharged from all liability under this Guarantee thereafter.

We \_\_\_\_\_ Bank, further agree that UCIL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extent time of performance by the said tenderer from time to time or to postpone for any time or from time to time any of the distributions exercisable by UCIL against the said tenderer and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said tenderer or for any forbearance, act or omission on the part of UCIL or any indulgence by UCIL to the said tenderer or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision, have effect of so relieving us.

This guarantee will not be discharged due to the change in the constitution of the Bank or the bidder.

We \_\_\_\_\_ Bank lastly undertakes not to revoke this guarantee during its currency except with the previous consent of UCIL in writing.

Dated the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

Bank

(Signature with name in Block letters with designation,  
Attorney as per power of Attorney No. \_\_\_\_\_ dt. \_\_\_\_\_)

**Bank's Common seal**

## **PROFORMA FOR BANK GUARANTEE FOR EARNEST MONEY DEPOSIT**

(To be issued by approved Scheduled Banks)

In accordance with Notice Inviting Tender (NIT) No. \_\_\_\_\_ Dated \_\_\_\_\_ for the work of \_\_\_\_\_ (herein after referred to as "the said Works") for Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only), under \_\_\_\_\_ Uranium Corporation of India Ltd, a company incorporated under Indian Companies Act, having its registered office at PO Jaduguda Mines Distt - East Singhbhum, Jharkhand- 831 012 , India (herein after referred to as UCIL), M/s \_\_\_\_\_ Address \_\_\_\_\_ [Herein after referred to as Contractor (s)] wish /wishes to participate in the said tender and a Bank Guarantee for the sum of Rs. \_\_\_\_\_ (in words) valid for a period of \_\_\_\_\_ days (in words) is required to be submitted by the Bidder towards the Bid Security.

We the \_\_\_\_\_ Bank (hereinafter called the said Bank) do hereby undertake to pay to UCIL, the sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) by reason of the said tenderer's failure to enter into an agreement of contract on intimation of acceptance of his tender and/or to commence the contract works and/or failure to deposit the security deposit within the stipulated period as per the terms and conditions relating to and/or governing the contract and/or specified in the Notice Inviting Tender (NIT). We also agree that any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. We also agree that notwithstanding any dispute or difference or any litigation in respect of or arising from the said contract and/or the acceptance of the tender of the tenderer aforesaid by UCIL including the question as to the tenability of the claim of the UCIL for forfeiting the Earnest Money being the Bank Guarantee herein, we shall forthwith pay the said amount to UCIL on demand being made as aforesaid.

We \_\_\_\_\_ Bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for entering into an Agreement of contract and that it shall continue to be enforceable till all the dues of the UCIL under the terms and conditions of the NIT for the work have been fully paid and its claims satisfied or discharged or till UCIL certifies, that the terms and conditions of the NIT have been fully and properly carried out by the said tenderer and accordingly discharges the guarantee.

We \_\_\_\_\_ Bank further agree with the UCIL that the UCIL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the NIT and/or terms and conditions governing the contract or to extend the time of validity of the offer from the said tenderer from time to time or to postpone for any time or from time to time any of the powers exercisable by the UCIL against the said tenderer and to forbear or enforce any of the terms and conditions of the NIT and we shall not be relieved from our liability hereunder by reason of any such variation, or extension being granted to the said tenderer or for any forbearance, act or omission on the part of the UCIL or any indulgence by the UCIL to the said tenderer or by any such matter or thing whatsoever which under the law relating to surety/guarantee would but for this provision have effect of so relieving us.

We \_\_\_\_\_ Bank do hereby further agree that any change in the Constitution of the said tenderer or the Bank will not affect the validity of this guarantee.

We \_\_\_\_\_ Bank lastly undertake not to revoke this guarantee during its currency except with the previous consent of the UCIL in writing.

Dated the \_\_\_\_\_ day of \_\_\_\_\_ 20..

\_\_\_\_\_Bank

(Signature with name in Block letters with designation,  
Attorney as per power of Attorney No. \_\_\_\_\_ dt. \_\_\_\_\_)

## Bank's Common seal

**(6)**

**PROFORMA FOR BANK GUARANTEE FOR SECURITY DEPOSIT**

WHEREAS on or about the \_\_\_\_\_ day of \_\_\_\_\_ M/s \_\_\_\_\_ (Tenderer's name & address), having its registered office situated at \_\_\_\_\_ (Postal address) (herein after referred to as 'The Tenderer') entered into a contract bearing reference no. \_\_\_\_\_ dtd. \_\_\_\_\_ with \_\_\_\_\_ Uranium Corporation of India Ltd, a company incorporated under Indian Companies Act, having its registered office at PO Jaduguda Mines Distt - East Singhbhum, Jharkhand- 831 012 , India (herein after referred to as UCIL), for \_\_\_\_\_ (details of order) (herein after referred to as 'The Contract').

AND WHEREAS under the terms and conditions of the contract the tenderer is required to keep with UCIL a security deposit of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) or submit a Bank Guarantee in lieu of cash deposit for the fulfillment of the terms and conditions of the contract, and whereas the supplier has chosen to submit a Bank Guarantee.

We \_\_\_\_\_ Bank do hereby undertake to pay the amounts due and payable under this Guarantee without any demur, merely on a demand from UCIL stating that the amount claimed is due by way of loss or damage caused to or that would be caused to or suffered by UCIL by reason of breach of any of the terms and conditions of the said contract. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs.\_\_\_\_\_ plus interest @ 12% per annum from the date of demand for payment till the actual date of payment made by us.

We undertake to pay to UCIL any money so demanded notwithstanding any dispute or disputes raised by the tenderer in any suit or proceeding pending before any court or tribunal relating thereto, our liability under these present being absolute and unequivocal.

The payment so made by us under this guarantees shall be valid discharge of our liability for payment thereunder and the tenderer shall have no claim against us for making such payment.

We \_\_\_\_\_ Bank further agree that the Guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Agreement and that it shall continue to be enforceable till all the dues of UCIL under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till UCIL certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said tenderer and accordingly discharges this Guarantee. Our Guarantee shall remain in force until \_\_\_\_\_ and unless a demand or claim under this guarantee is made on us in writing within six months from the expiry of the Guarantee period, we shall be discharged from all liability under this Guarantee thereafter.

We \_\_\_\_\_ Bank, further agree that UCIL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extent time of performance by the said tenderer from time to time or to postpone for any time or from time to time any of the powers exercisable by UCIL against the said tenderer and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contract or for any forbearance, act or omission on the part of UCIL or any indulgence by UCIL to the said tenderer or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision, have effect of so relieving us.

This guarantee will not be discharged due to the change in the constitution of the Bank or the Consultant.

We \_\_\_\_\_ Bank lastly undertakes not to revoke this guarantee during its currency except with the previous consent of UCIL in writing.

Dated the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

(Signature with name in Block letters with designation,  
Attorney as per power of Attorney No. \_\_\_\_\_ dt. \_\_\_\_\_)

## Bank's Common seal

## **FORMAT FOR EXECUTION OF AGREEMENT**

ARTICLES OF AGREEMENT MADE AT JADUGUDA This \_\_\_\_\_ Day of \_\_\_\_\_ between M/s. **URANIUM CORPORATION OF INDIA LIMITED** (hereinafter referred to as the "**CORPORATION**" which expression shall includes its successors and assigns) of the part. And M/s. \_\_\_\_\_ Referred to as "**CONTRACTOR**" which expression shall include its successors and assigns) of the other part WHEERAS the Corporation is desirous that certain works should be constructed viz. \_\_\_\_\_.

\_\_\_\_\_ and has accepted a tender by the Contractor for the execution, Completion and Maintenance of such works.

NOW THIS AGREEMENT WITNESS AS FOLLOWS:

1. In this agreement works and expression shall have the same meanings as are respectively assigned to them in the General and special conditions of the Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and contused as part of this agreement, viz:
  - A. NIT No. \_\_\_\_\_.
  - B. Tender Technical Part Opened On - \_\_\_\_\_
  - C. Tender Price Part Opened On - \_\_\_\_\_
  - D. Negotiation Meeting held with you on dated \_\_\_\_\_

1. Work Order No. \_\_\_\_\_ Date \_\_\_\_\_  
2. W.O. Ref. No. \_\_\_\_\_ Date \_\_\_\_\_

In consideration of the payments to be made by the Corporation to the Contractor as hereinafter mentioned, the contractor hereby covenants with the Corporation to execute, complete and maintain the works in conformity in all respect with the provision of the contract.

1. The Corporation hereby covenants to pay to the Contractor in consideration of the execution, completion and maintenance of the works the contract price at the time and in manner, prescribed by the Contract.
2. All disputes arising out of the contract will be dealt in the manner as provided in the clause-52 of the General terms & Conditions of the contract.
3. This contract has been read to us and fully understood by us.

AS WITNESS OUR HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_

Signed by the said M/s. Uranium Corporation of India Limited, Jaduguda Mines-832102, Dist. Singhbhum East (JHARKHAND)

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In the Presence of

(Witness Sign with Stamp)

Signature,

M/s (Contractor)

## **INDEMNITY UNDERTAKING**

1. In respect of all and any Injury or Damage to persons or property and also in respect of any claim made in respect of Injury or damage under any Acts of the Government or otherwise and also in respect of any award of Compensation or Damage consequent upon such claim.
2. Against all claims which may be made against the Corporation by any member of the Public or other third party in respect of anything, which may arise in respect of the works, or any consequence thereof.
3. Against all claims which may be upon the Corporation whether under the workmen's Compensation Act or any other statute in force during the currency of the Contract or any Law in respect of any Employee of the Contractor or any sub Contractor.
4. In respect of any cost, charges of expenses arising out of any claim or proceedings and also in respect of any award of Compensation or damages arise there from.

I, \_\_\_\_\_ proprietor/ Partner/ Director hereby further undertake to effect and maintain and Insurance Policy at my own costs, until virtual completion of the Contract.

Signature of Witness:

Place:

Date:

Signature.

(M/s Contractor)

**URANIUM CORPORATION OF INDIA LIMITED**  
(A Government of India Enterprise)  
Department of Atomic Energy  
CIN: U 12000 JH 1967 GOI 000806

**SCHEDULES FOR SUPPLEMENTARY INFORMATION**

**DETAILS OF TOPIC OF CLAUSES**

This document shall be a part of the contract entered into between the Uranium Corporation of India Ltd and the contractor. The purpose of this document is to establish general conditions for the contract which shall be binding upon the contractor.

The General conditions of works contract include the following clauses:

**1. Definition of Terms**

1.1 Purchaser/Company

The ‘Purchaser/Company’ shall mean Uranium Corporation of India Ltd incorporated under the companies act, 1913 and having its registered office at PO Jaduguda, Distt – East Singhbhum, Jharkhand – 832102.

1.2 Contractor/Supplier

The ‘Contractor/Supplier’ shall mean the person or company whose tender is accepted by the Purchaser and shall be deemed to include the Contractor’s successors, heirs, executors, administrators, representatives and assigns approved by the Purchaser.

1.3 Sub Contractor

The ‘Sub-contractor’ shall mean the person or company named in the contract for any part of the work or any person to whom any part of the contract has been sub-let by the Contractor with the consent in writing of the Purchaser and shall include his heirs, executors, administrators, representatives and assignees approved by the Purchaser.

1.4 Contract

The term “Contract” shall mean and include the invitation to tender, tender specification, the instructions to tenderers, letter of intent, acceptance of tender, particulars hereinafter defined in respect of the supply and delivery of materials and for the performance of services within the scope of the tender.

1.5 Engineer / Engineer-in-Charge (EIC)

The term “Engineer” as used herein shall mean engineer or Engineer-in-Charge (EIC) as are designated by the company.

1.6 Tender Specification

The term “Tender Specification” shall mean the design data, drawing schedules, broad equipment characteristics and other technical details furnished with the invitation to tender for the purpose of submitting the offer by the tenderer.

1.7 Contract Specification

The term “Contract Specification” shall mean the schedules, detailed designs, statements of technical data, performance characteristics and all such particulars mentioned as such in the contract

1.8 Letter of Intent (LOI)

The term “Letter of Intent (LOI)” shall mean intimation by a letter to contractor that the tender has been accepted in accordance with the provisions contained in that letter.

1.9 HO/CO

The term “HO/CO” shall mean Head Office /Corporate Office, at PO Jaduguda, Distt – East Singhbhum, Jharkhand – 832102

**1.10 Site**

The term “Site” shall mean the place or places envisaged by the company at which the plant and equipment supplied under the contract are to be erected and/or services are to be performed under the contract.

**2. Contract**

The Contractor with the Purchaser shall enter into a formal agreement for the proper fulfillment of the Contract.

**3. Standards**

The Machinery and Services supplied under this Contract shall conform to the standards mentioned in the Technical Specifications and, when no applicable standard is mentioned, the latest current edition or revision of the relevant Indian Standards and Codes shall be considered.

**4. Scope of Order and Specifications**

Contractor shall execute the work according to the specifications enclosed and in accordance with all conditions both general and specific enclosed with order, unless any or all of them have been modified or cancelled in writing either as a whole or in part by UCIL.

**5. Inspection of site**

The bidder or his representative shall be deemed to have inspected and examined the site and surroundings before submitting his tender and shall obtain the necessary information as to risks and other circumstances which may influence or affect his tender.

**6. Assignment and Subletting**

6.1 The contractor shall not assign, sublet or transfer the contract or any part thereof or any benefit or interest therein or there under without the written consent of company.

6.2 The contractor shall not sublet the whole or any part of the work without the written consent of the company and such consent, if given, shall not establish any contractual relationship between the sub-contractor (s) and the company and shall not relieve the contractor of any responsibility, liability, or obligations under the contract and the contractor shall be responsible for the acts, defaults or neglects of any sub-contractor or his agent or workmen.

**7. Prices**

Unless otherwise agreed to specifically in order, the price payable by UCIL to the contractor under the order shall remain firm throughout the period of contract and shall not be subject to any escalation.

The Bidder shall include in his tender all items of equipment/system etc. as stated in the Technical specifications of the tender.

The prices shall be filled in accordance with the Price Schedule attached in Price bid and the Bidder quoted for all items as per Price bid format will only be considered for opening the price bid.

All prices in the tender shall be inclusive of GST and any other applicable taxes, duties and all other statutory levies applicable.

The Contractor is responsible and liable for remitting all statutory dues (GST etc. as applicable) collected / included in the Price schedule of the contract to the statutory authorities without fail. UCIL is not responsible for remittance of such tax collections.

**8. Taxes, duties & levies**

Bidders must clearly mention their GST Registrations in their offers and invoices.

GST shall be clearly mentioned in the offer indicating the applicable rates.

The supplier shall ensure submission of GST Invoice as per the prescribed formats by the statutory authorities. In case the Supplier fails to submit the requisite documents, the reimbursable amount on account of duties/ taxes, levies as indicated in his quotation/invoice / Work order/Contract shall be deducted from his bill.

**9. Performance test**

The Contractor shall be responsible for carrying out performance tests on all equipment supplied by him and/or procured by the Purchaser as indicated in the Technical specifications covered in this Tender document, in the presence of the Purchaser's representative. This responsibility shall rest with the Contractor regardless of whether the erection has been carried out by him or any other agency.

On the satisfactory completion of the performance test, the Purchaser will issue an Acceptance certificate on written request from the Supplier.

The date of the acceptance certificate shall be considered to be the date of satisfactory completion of the performance test.

**10. Alteration of specifications, patterns and drawings**

During the progress of the work, the Purchaser may require deviations from, additions to or omission in the drawings, specifications and the scope of work originally agreed upon between the Contractor and the Purchaser. Such changes shall not invalidate the Contract. The Contractor shall make such changes of whatever character they may be, as part of the Contract. As from that date the Stores shall be in accordance with the specifications, patterns and drawings so altered which the contractor is bound to comply with.

No change in the scope of the work shall be made without a written instruction issued therefore by the Purchaser. Revised drawings, bills of materials or specifications, shall also be considered as written instructions.

In the event of such alteration involving a revision in the cost, the same shall be discussed and mutually agreed to taking into account the unit rates of similar items in the contract. In case of disagreement, the decision of the Purchaser, in the cost, shall be final and conclusive.

**11. Correspondence**

All correspondence shall be in English and addressed to UCIL drawn to the attention of the officer issuing the order, unless otherwise specifically mentioned.

**12. Accident or Injury to Workmen**

The Contractor shall be solely liable for any accident or injury that may happen to any of his personnel engaged in the Contract. The company shall not be liable for, or in respect of, any damage or compensation payable at law in respect of, or in consequence of, any accident or injury to any personnel in the employment of the Contractor and the Contractor shall indemnify and keep indemnified the company against all such claims, damages, compensations and proceedings.

The Contractor shall forthwith report to the company all cases of accidents to any of his personnel and shall make every arrangement to render all possible assistance and aid to the victims of the accident.

**13. Compliance with Statutory and Other Regulations**

The Contractor shall, in all matters arising in the performance of the Contract, conform at his own expense with the provisions of all Central or State statutes, ordinances or laws and the rules, regulations, or bye-laws of any local or other duly constituted authority and shall keep the Purchaser indemnified against all penalties and liabilities of every kind for breach of any such statute, ordinance, law, rule regulations or bye-law.

The Contractor shall give all notices and pay all fees and taxes required to be given or paid under any Central or State statutes, ordinances or other laws or any regulations or bye-laws of any local or other duly constituted authority in relation to the contract.

**14. Security regulations**

The Contractor shall abide by all the security regulations at site promulgated by the Purchaser from time to time. The Contractor shall provide identity badges for all his personnel, which must be properly displayed by them at site.

**15. Method of black listing vendors**

15.1 Any failure by the vendor/contractor to supply/execute the contract as per order may result in black listing vendor/contractor name from approved list of vendors while periodical review/updating of vendor list. The black listed vendor / contractor shall not be considered for a period of one year from the date of black listing. However competent authority can revoke any black list order subject to adequate justification for the same.

Further the competent authority can blacklist the bidder, if the bidder changes terms & conditions or prices or withdraw his quotation subsequent to the date of opening.

15.2 Further, the vendor shall be banned from doing any business with the company in case of:

- a. If security considerations including question of loyalty to the state so warrant.
- b. If the proprietor of the firm, its partner or representative is convicted by a court of law following prosecution for offences relating to business dealings.
- c. If there is strong justification for believing that the proprietor or employee or representative of the firm has been guilty of malpractice such as bribery, corruption, fraud, substitution of tenders, interpolation, misrepresentation, evasion or habitual default in payment of any tax levied by law, etc.

#### **16. Secrecy**

The Contractor shall not at any time during the pendency of the contract or there after disclose any information furnished to them by the Purchaser or any drawings, designs, reports and other documents and information prepared by the Contractor for this contract, without the prior written approval of the Purchaser except in so far as such disclosure is necessary for the performance of the Contractor's work and service hereunder.

#### **17. Indemnity**

The contractor shall indemnify the Purchaser and keep the Purchaser indemnified to the extent of the value of free issue materials to be issued till such time the entire contract is executed and proper account for the free issue materials is rendered and the left over/surplus and scrap items are returned to the Purchaser. The contractor shall not utilize the Purchaser's free issue materials for any job other than the one contracted out in this case and also not indulge in any act, commission or negligence which will cause/result in any loss/damage to the Purchaser and in which case, the Contractor shall be liable to the Purchaser to pay compensation to the full extent of damage/loss and undertake to pay the same.

#### **18. Death, Bankruptcy, etc.**

If the Contractor dies or dissolve or go into bankruptcy, or being a corporation cause to be wound up except for reconstruction purposes or carry on its business under a receiver, the executors, successors or other representatives in law of the estate of the Contractor or any such receiver, liquidator, or any person in whom the contract may become vested, shall forthwith give notice thereof in writing to the Purchaser and shall remain liable for the successful performance of the contract, and nothing aforesaid shall be deemed to relieve the Contractor or his successors of his or their obligations under the contract under any circumstances. The Purchaser may terminate the Contract by notice in writing to the Contractor.

#### **19. Arbitration**

Notwithstanding anything contained in this Contract, all question, disputes or differences whatsoever which is not amicably settled as mentioned in Dispute Resolution Clause, between the parties to the Contract, arising out of or relating to the work as per provisions of the Contract or matters related thereto whether during the period of the Contract or its failure or after the completion of the contract, shall be decided by Arbitration under the provisions of the Arbitration and Conciliation Act, 1996 as amended from time to time.

Appointment of Arbitrator shall be made as per the provisions of the Arbitration & Conciliation Act, 1996 as amended from time to time.

#### **20. Jurisdiction**

Jurisdiction shall be within the court where either the work site is situated or the supply of materials is being made.

#### **21. Ethics in tendering & other business dealings**

Dear Sir,

Uranium Corporation of India Ltd, a Government of India undertaking under the administrative control of Department of Atomic Energy is doing its business as per the rules and regulation of the Public Sector Undertaking and other statutory agencies. The business is done in an ethical, rational & impartial manner with good corporate governance.

In our endeavour to be more transparent in our dealings and to support our ideology all **Vendors, Customers and Business Partners** are requested not to provide any gift and / or inducement to any of our employees for securing / being granted favour in dealings with our Company. In assurance of your commitment to the aforesaid, it will be highly appreciated if you fill up, sign and abide by the attached undertakings\_.

Report of any gifts and / or inducements sought by any employee of the company should be immediately reported to any one of the following:

Chairman & Managing Director Uranium Corporation of India Ltd, PO Jaduguda, Distt- East Singhbhum Jharkhand- 831 012 Email:cmdsect@uraniumcorp.in	Chief Vigilance Officer Uranium Corporation of India Ltd PO Jaduguda, Distt- East Singhbhum Jharkhand- 831 012 Email: cvo@uraniumcorp.in
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We assure you that complaints if any made by you on the subject will be kept confidential and fair investigation will be conducted and appropriate action will be taken. Similarly, we except your commitment to the undertaking and its violation will have consequences as per prevailing rule of the Company.

Thanking you,  
For Uranium Corporation of India Ltd

Name -----

Designation -----

## **MISCELLANEOUS TERMS AND CONDITIONS FOR SERVICES**

1. The Service Provider shall ensure that all the relevant licenses/registrations/permission, which are/may be required related to the Services provided are valid during the entire period of the Contract, failing so will attract the appropriate penalties.
2. The personnel supplied by the Service Provider should not have any Police records/criminal cases against them. The Service Provider should make adequate enquiries about the character and antecedents of the persons whom they are recommending. The character and antecedents of persons will be verified by the Service Provider before their deployment through local police, collecting proofs of residence, driving license, bank account details, previous work experience and recent photograph and a certification to this effect submitted to this office.
3. The Service Provider is liable to disclose in case he has been banned by any of the organizations under any of the Services rendered by the Service Provider. Failure to disclose the same at the beginning can lead to termination of the Contract at any phase.
4. The Service Provider will also ensure that the personnel deployed are medically fit and will keep in record a certificate of their medical fitness. The Service Provider shall withdraw such employees who are not found suitable by the office for any reasons immediately on receipt of such a request.
5. The personnel deployed by the Service Provider shall be the employees of the Service Provider for all intents and purposes and that the personnel so deployed shall remain under the control and supervision of the Service Provider and in no case, shall a relationship of employer and employee between deployed personnel and the Buyer shall accrue/arise implicitly or explicitly. The Service Provider and the personnel deployed at the Buyer's location shall not divulge or disclose to any person, any details of office, operational process, technical know-how, security arrangements and administrative / organizational matters as all are of confidential/secret in nature.
6. The Service Provider's personnel should be polite, cordial, positive and efficient, while handling the assigned work. The Service Provider shall be responsible for any act of indiscipline on the part of persons deployed by him. The Service Provider shall be bound to prohibit and prevent any of their employees from being intoxicated while on duty, trespassing or acting in any detrimental or prejudicial to the interest of this office. The decision of the officer in-charge upon any matter arising under the clause shall be final and binding on the Service Provider.
7. The Service Provider shall provide the documentary proof for the qualifications and experience of the manpower deployed by them. The bio-data, qualification and experience of the said manpower should be certified by the Service Provider.
8. The Buyer may require the Service Provider to dismiss or remove from the site of Service, any person or persons, employed by the Service Provider, who may be incompetent or for his/ her/their misconduct and the Service Provider shall forthwith comply with such requirements. The Service Provider shall replace immediately any of its personnel, if they are unacceptable to this office because of security risk, incompetence, conflict of interest and breach of confidentiality or improper conduct upon receiving written notice from office.
9. The transportation, food, medical and other statutory requirements in respect of each personnel of the Service Provider shall be the responsibility of the Service Provider.
10. The Service Provider shall provide a substitute well in advance if there is any probability of the person leaving the job due to his/her own personal reasons. The payment in respect of the overlapping period of the substitute shall be the responsibility of the Service Provider.
11. The Service Provider shall be contactable at all times and messages sent by phone /e- mail/ fax / special messenger from Buyer shall be acknowledged immediately on receipt on the same day. The Service Provider shall strictly observe the instructions issued by the Department in fulfillment of the Contract from time to time.

12. The Service Provider shall be required to keep the Buyer updated about the change of address, change of the Management etc. from time to time.
13. The Service Provider and/ or the personnel deployed at the Buyer location shall be responsible for its belongings and Buyer shall not be liable for any loss, damage, theft, burglary or robbery of any personal belongings, equipment or vehicles of the personnel of the Service Provider.
14. That the Service Provider on its part and through its own resources shall ensure that the goods, materials and equipment etc. are not damaged in the process of carrying out the Services undertaken by it and shall be responsible for acts of commission and omission on the part of its staff and its employees etc. If Buyer suffers any loss or damage on account of negligence, default or theft on the part of the employees/agents of the Service Provider, then the Service Provider shall be liable to reimburse to the Buyer for the same. This is subject to the limitation of each Contract.
15. The Buyer shall maintain an attendance register in respect of the staff deployed by the Service Provider in order to compute the wages/remuneration in respect of the staff at the approved rates.
16. The agreement can be terminated by either party by giving one month's notice in advance. If the Service Provider fails to give one month's notice in writing for termination of the Agreement then one month's fees and any amount due to the Service Provider from the Buyer shall be forfeited. However, the provisions mentioned herein can be superseded by the STC/ ATC of each Service Contract, as applicable.
17. That on the expiry of the Contract as mentioned above, the Service Provider will withdraw all its personnel and clear their accounts by paying them all their legal dues. In case of any dispute on account of the termination of employment or non-employment by the personnel of the Service Provider, it shall be the entire responsibility of the Service Provider to pay and settle the same.
18. The Service Provider shall provide complete details of the fees, all necessary material, tools, tackles, skilled manpower for proper execution of Services specified in the schedule of the quantities and as per drawings and specifications. If any extra cost is specified in the Contract the same may be authorized by the Buyer before utilizing the same. Any discrepancy on schedule of quantities and drawings shall be brought to notice of Buyer for decision, immediately.
19. Water and electricity shall be provided to the Service Provider. However, unavailability of water and electricity shall not be accepted as reasons for delay. Service Provider should make his own arrangements for the same.
20. **Mobilization Period:** - Mobilization Period shall be maximum 15 days from the date of award of Contract. However, the contractor shall not be made any payment as mobilization advance. This period shall only be provided so that the contractor may arrange the required manpower make ready various documents required under the contract like police verification, Gate pass, A- Register Entry etc. No penalty shall be applicable during the mobilization period. Upon completion of the mobilization period, the contractor shall give a letter of job commencement.

## **EMPLOYMENT OF PERSONS**

1. **Weekly day of rest:** - No person shall be allowed to work for more than 6 days in any one week. A day of rest for any person shall mean period of rest of at least 24 consecutive hours.
2. **Compensatory days of rest:** - If any person employed is deprived of any of the weekly days of rest he shall be allowed within the month in which such days of rest was due to him or within the two months immediately following that month, compensatory days of rest equal in number to the days of rest of which he has been deprived. The compensatory days of rest to be allowed shall be so spaced that in any one week not more than two such days shall be allowed to any one person.
3. No adult employed above ground in a mine shall be required or allowed to work for more than forty-eight hours in any week or for more than nine hours in any day. The periods of work of any such adult shall be so arranged that along with his interval for rest, they shall not in any day spread over more than twelve hours, and that he shall not work for more than five hours continuously before he has had an interval for rest of at least half an hour.
4. **Night shifts:** - Where a person employed in a mine works on a shift which extends beyond midnight, a weekly day of rest mean in his case a period of twenty-four consecutive hours beginning when his shift ends. The following day for him shall be deemed to be the period of twenty four hours beginning when such shifts end, and the hours he has worked after midnight shall be counted in the previous day.
5. **Extra Wages for overtime:** - Where in a mine a person works above ground for more than nine hours in any day or works below ground for more than eight hours in any day or works for more than forty-eight hours in any week whether above ground or below ground, he shall in respect of such overtime work be entitled to wages at the rate of twice his ordinary rate of wages the period of overtime work being calculated on a daily or weekly basis whichever is more favourable to him. Where any person employed in a mine is paid on piece rate basis, the time-rate shall be taken as equivalent to the daily average of his full-time earning for the days on which he actually worked during the week immediately preceding the week in which overtime work has been done, exclusive of any overtime, and such time-rate shall be deemed to be the ordinary rate of wages of such person. Overtime shall be paid at the end of each wage –period. In calculating overtime on any day, a fraction of an hour less than 30 minutes shall be ignored and a fraction of 30 minutes or more shall be counted as one hour. In calculating the ordinary rate of wages or earnings in the case of a person paid by the month, the daily wages shall be 1/26th of his monthly rate of wages; and in the case of any other person it shall be the ordinary rate of his daily wages or earnings as the case may be.
6. **Limitation of daily hours of work including over-time work:** - Save in respect of cases falling within clause 8 below no person employed in a mine shall be required or allowed to work in the mine for more than ten hours in any day inclusive of overtime.
7. In case of an emergency involving serious risk to the safety of the mine or of persons employed therein or in case of an accident, where actual or apprehended, or in case of any act of God or in case of any urgent work to be done to machinery, plant or equipment of the mine as the result of breakdown of such machinery, plant or equipment, the manager may in accordance with the clause 8 below permit persons to be employed in contravention of clause 1 or 3 work as may be necessary to protect the safety of the mine or of the persons employed therein.
8. **Exemption from hours and limitation of employment** - Male adults employed in a mine on any work specified in column 1 shall be exempted from the provisions of the clauses specified in column 2, subject to such conditions as are specified in column 3.

### *Exemption from Hours and Limitations of Employment*

Nature of work (1)	Extent of exemption (2)	Conditions attached to exemption. (3)
1. Emergency involving serious risk to the safety of the mine or of person employed therein such as accidental explosion, ignition of gas, spontaneous heating, outbreak of fire, influx of noxious gases, irruption of water,	1, 3	1. No person shall be employed on such work for more than 12 hours on any one day and 66 hours during each period of seven consecutive days commencing from his first

premature collapse of any part of a mine or failure of power supply		employment on such work.
[2] (a)Urgent work in case of -		
(i) an accident actual or apprehended in a mine involving work, such as clearing of falls of ground or erecting or withdrawing of support or completion of blasting operations; or	1, 3	(1) No person shall be employed beyond the limits of overtime specified in clause 7.
(ii) a breakdown of any machinery, plant or equipment in a mine involving repairs renewals or alteration necessary to avoid stoppage of normal mining operations.	1, 3	
(b) work of a preparatory or complementary nature such as repairs of shafts and roadways or of haulage track; arranging for ventilation; fitting or shifting of pump, which must necessarily be carried on for the purpose of avoiding serious interference with the ordinary working of the mine.	1, 3	
(3) Operation of continuously operated machinery including winding engines for hoisting and lowering of men.	1, 3	(1) Applicable only when the person succeeding him fails to report for duty without prior notice, so as to enable him to work the whole or part of the subsequent shift.

#### 9. Leave with Wages:-

- a. Leave defined: - Leave shall not include weekly days of rest or holidays or festivals or other similar occasions whether occurring during or at either end of the period.
- b. Calendar year defined: - A calendar year shall mean the period of twelve months beginning with the first day of January in any year.
- c. Annual leave wages: -
  - i. Every person employed in a mine who has completed a calendar year's service therein shall be allowed, during the subsequent calendar year leave with wages, calculated –
    - 1. In the case of a person employed below ground, at the rate of one day for every fifteen days of work performed by him, and
    - 2. In any other case, at the rate of one day for every twenty days of work performed by him.
  - ii. A calendar year's service referred to in sub-section (i) shall be deemed to have completed:-
    - 1. In the case of a person employed below ground in a mine, if he has during the calendar year put in not less than one hundred and ninety attendances at the mine; and
    - 2. In the case of any other person, if he has during the calendar year put in not less than two hundred and forty attendances at the mine.

**Explanation –** For the purpose of this sub-section: -

- i. The leave earned in the year prior to that in which the leave is enjoyed shall be deemed to be the days on which the employee has worked in mine for the purpose of computation of the attendances but he shall not earn leave for these days.
- iii. A person whose service commences otherwise than on the first day of January shall be entitled to leave with wages in the subsequent calendar year at the rates specified in sub-section (i), if –
  - 1. In the case of a person employed below ground in a mine, he has put in attendances for not less than one half of the total number of days during the remainder of the calendar year; and
  - 2. In any other case, he has put in attendances for not less than two-thirds of the total number of days during the remainder of the calendar year.

- iv. Any leave not taken by a person to which he is entitled in any one calendar year under sub-section (i) or sub-section (iii) shall be added to the leave to be allowed to him under sub-section (i) during the succeeding calendar year. Provided that the total number of days of leave which may be accumulated by any such person shall not at any one time exceed thirty days in all.
- v. Any such person may apply in writing to the manager of the mine not less than fifteen days before the day on which he wishes his leave to begin, for all leave or any portion thereof then allowable to him under sub-section (i), (iii) and (iv). Provided that the number of times in which leave may be taken during any one calendar year shall not exceed three.
- vi. An application for such leave made in accordance with sub-section (v) shall not be refused unless the authority empowered to grant the leave is of opinion that owing to the exigencies of the situation the leave should be refused.
- vii. If a person employed in a mine wants to avail himself of the leave with wages due to him to cover a period of illness he shall be granted such leave even if the application for leave is not made within the time specified in sub-section (v)
- viii. If the employment of a person employed in a mine is terminated by the owner, agent or manager of the mine before he has taken the entire leave to which he is entitled up to the day of termination of his employment, or if such person having applied for and having not been granted such leave, quits his employment before he has taken the leave, the owner, agent or manager of the mine shall pay him the amount payable under clause d below in respect of the leave not taken and such payment shall be made where the employment of the person is terminated by the owner, agent or manager, before the expiry of the second working day after such termination, and where a person himself quits his employment, on or before the next pay day.
- ix. The unavailed leave of a person employed in mine shall not be taken into consideration in computing the period of any notice required to be given before the termination of his employment.
- x. Where the person employed in a mine is discharged or dismissed from service or quits his employment or is superannuated or dies while in service, he or his heirs or wages in lieu of leave due to him calculated at the rate specified in sub-section (i), if
  - 1. In the case of a person employed below ground in a mine, he has put in attendance for not less than one-half of the total number of days from the date of his employment to the date of his discharge or dismissal or quitting of employment or superannuation or death, and
  - 2. In any other case, he has put in attendance for not less than two thirds of the total number of days from the date of his employment to the date of his discharge or dismissal or quitting of employment or superannuation or death, and payment of such wages shall be made by the owner, agent or manager of the mine at the rate specified in clause d below, where the person is discharged or dismissed from service or quits employment or is superannuated, before the expiry of the second working day after such discharge dismissal, quitting of employment or superannuation, as the case may be and where the person employed dies while in service within a period of two months of his death.
- d. Wages during leave period: - For the leave allowed to a person employed in a mine under clause c above, he shall be paid at a rate equal to the daily average of his total full-time earnings for the days on which he was employed during the month immediately preceding his leave, exclusive of any overtime wages and bonus but inclusive of any dearness allowance and compensation in cash including such compensation, if any accruing through the free issue of food grains and other articles as persons employed in the mine may, for the time being, be entitled to: Provided that if no such average earnings are available, then the average shall be computed on the basis of the daily average of the total full time earnings of all persons similarly employed for the same months.

## **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, Turamdh 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- through their contracting officer for 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 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 of the Contractor, 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 immediately but not later than 3 (three) working days after the occurrence of accident in the Form – A (see Appendix - 2)

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 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 by the 7<sup>th</sup> 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 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 hospitalization.
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 hospitalization.

(FORM – A)

ACCIDENT INVESTIGATION REPORTS

Name of contractor and project : .....

Nature of contract : .....

Name of Engineer-In-charge : .....

of the contractor

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.

Contractor's Safety representative/ supervisor's remarks with signature and date

### (APPENDIX – 3)

**(FORM -B)**

**SUMMARY OF ACCIDENT FOR THE MONTH OF** .....

Name of the contractor :  
Name of project :  
Name of the sub – contractor (if any) :  
Name of safety representative :  
of the project  
Total nos. of persons : Male Female  
working in the project  
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, Turamdih Mine

## **SPECIAL CONDITIONS FOR SAFETY**

### **Important Instructions to Contractors**

1. After getting work order, contractor will have to submit their supervisor's contact number to the following officials of UCIL for better co-ordination.
  - a) Safety officer (Turamdihi Mine),
  - b) Respective Engineer-In-charge or his representative and
  - c) Mine Manager, Turamdihi Mine.
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. The Contractor is required to submit the Affidavit as per the format given before starting the job.
4. All workers of contractor shall report to the SOP Training Room for SOP training on weekly basis.
5. For electrical maintenance jobs, the contractor's supervisor shall take Electrical Shutdown permit from the section and return the permit as and when required.
6. After issue of Electrical Shutdown permit, Contractor's supervisor / safety personnel shall check all the safety related aspect.

**URANIUM CORPORATION OF INDIA LIMITED**  
**(A Government of India Enterprise)**  
**Department of Atomic Energy**  
**CIN: U 12000 JH 1967 GOI 000806**

**DOCUMENTS TO BE FURNISHED BY THE BIDDER**

<b>Sl. No.</b>	<b>Details of Documents</b>	<b>Submitted (Yes/ No)</b>
1	Scanned copy of instrument for Earnest Money Deposit/ valid exemption certificate (if any).	
2	Scanned copy of PAN	
3	Scanned copy of valid EPF	
4	Scanned copy of valid ESI	
5	Scanned copy of valid GSTN	
6	Scanned Copy of cancelled cheque	
7	Documentary evidence in support of past experience of the Bidder in similar nature of completed job in any Central/ State Govt Organization/ PSU/ Public Listed Company	
8	Documentary evidence in support of average turnover.	
9	Documentary Evidence in support of at least one (01) income-tax return filed during the last three years ending on 31st March of the previous financial year	
10	Documentary evidence of Geographic Presence	
11	Undertaking that if the information/ declaration/ scanned documents furnished in respect of eligibility criteria are found to be wrong or misleading at any stage, they will be liable to punitive action	
12	Undertaking (Format given in Forms Section), to the effect that the bidder will not provide any gift and/ or influence any employee of the company in connection with securing any decision in its favour	
13	Copy of Valid Electrical Contractor License Issued by the state licensing board	
14	Scanned Copy of Signed and Stamped Pre Contract Integrity Pact (Attached with this bid)	