

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

कोटेशन सं.: युसिल/तुरामडीह खान/२०२३-०५

दिनांक : - २५/०५/२०२३

अति अल्पकालीन निविदा आमंत्रण सूचना

निम्नलिखित कार्य के लिये सीलबंद कोटेशन आमंत्रित किये जाते हैं:

१	कार्य का नाम	33 kV Overhead Line Maintenance between Turamdih and Narwapahar for four months
२	अग्रधन की राशि	Nil
३	निविदा की राशि	Rs. 389780/- (Inclusive of GST)
४	परिमाण विपत्र का मूल्य	Nil
५	कार्य की अवधि	4 (Four) months
६	निविदा डाउनलोड करने की प्रारंभ तिथि	25/05/2023
७	निविदा डाउनलोड करने की अंतिम तिथि और समय	02/06/2023 up to 12:00 Noon
८	निविदा जमा करने की प्रारंभ तिथि और समय	25/05/2023 12:00 Noon
९	निविदा जमा करने की अंतिम तिथि और समय	02/06/2023 up to 12:00 Noon
१०	निविदा खोलने की तिथि और समय	02/06/2023 at 3.30 PM

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

कृते  
यूरेनियम कॉर्पोरेशन ऑफ इंडिया लिमिटेड

ह०/-  
अपर अधीक्षक (विद्युत)  
तुरामडीह खान

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

**INSTRUCTIONS TO BIDDERS (ITB)**

1. **Submission of Bids by Bidders:** - The bidders will submit their quotations offline. No conditional bid shall be allowed/ accepted. The financial bid should be sealed by the tenderer in covers duly marking these as 'QUOTATION' and marked with the address of Manager, Personnel, Turamdih Mine and the tender reference number “युसिल/तुरामडीह खान/२०२३-०५ दिनांक : - २५/०५/२०२३” on the envelopes. The quotation shall be submitted by the bidder well before the deadline (original or extended as the case may be) for submission.
2. The bidder must submit his bid strictly according to the price schedule format attached along with tender document.
3. 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.
4. Tenders (including all received by post/ courier and personal delivery) shall be deposited in a locked tender box kept at the office of Shri Sanjeev Ranjan Manager (Personnel) Turamdih Mine/ Shri H.N. Rajak A.A.O. (Admin) Turamdih. In cases when it is unavoidable to submit the tenders by hand due to the bulky size of the tender documents the above officers shall receive the tender by hand as per the time schedule as mentioned therein.
5. All tenders received within the prescribed time will be opened by the officers appointed for this task at the time stated in the tender notice. In cases where date of opening becomes a declared holiday, due date of tender opening shall be next working day.
6. The tender opening date may be extended sufficiently in advance in case of change in specification /scope of work or on request of the prospective bidder with an intent to increase the response. Once the due date and time is over, date/time extension shall not be allowed irrespective of number of offers/bids received. Late tenders (tenders received after due date, time & place) shall not be considered under any circumstances. In such cases tenders shall be processed based on the available response. Once the price bid is opened the tender shall be decided on merits.
7. In case any unsigned offer is received, written confirmation from the bidder for ascertaining genuineness of such bid shall be taken without any change in price or commercial terms. In case of refusal/no response within a specified time to sign the bid, UCIL reserves the right to forfeit the EMD, if any and/or reject the tender.
8. Even if no authorized representative of bidder is present during the time of opening of tender, the tender can be opened as per the specified date and time following normal procedures.

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**TECHNICAL SPECIFICATIONS**

1. Area Condition: - The specified work has to be carried out at various places along 33KV Narwa & Turamdih line from Narwapahar to Turamdih M.R.S.
2. All the workmen / Supervisor / Engineer should use safety equipment like, Gum Boots, Helmet, Cap Lamp, Safety Belt etc. Cap lamps will be supplied by UCIL for use free of cost during night hours. All the tools and tackles as required for 33KV line maintenance shall be arranged by Contractor.
3. The equipment / materials, which are to be supplied by UCIL on non-chargeable Basis /chargeable basis, will be issued from UCIL Stores, Turamdih. However, the rail poles (if to be used) have to be issued from UCIL Stores, Narwapahar. The Contractor has to transport the equipment to work site and take care of Storage and safe custody.
4. The Contractor has to complete the work within stipulated time frame i.e. within four months.
5. The scope of work includes scheduled and breakdown maintenance of 33KV Narwa Feeder # 1 / TMD Feeder # 2 between Turamdih & Narwapahar.
  - i. The work has to be carried out from Narwapahar to Turamdih MRS (almost 13 Kms.)
  - ii. The contractor should arrange a crew consisting of competent peronnels for the maintenance of the line.
  - iii. Replacement of pin insulator / Disc insulator / Cross arm / Back clamp / Earth clamp / stay clamp / X-bracing etc. means removing from existing Installation and replacing it with new one.
  - iv. Contractor has to arrange all kind of safety appliances before working on the line i.e discharging Rod, Hand glove, Gum boot, Helmet, Safety belt and any other safety appliances of required.
6. Erection tools and tackles for erection and commissioning:
  - i. The Contractor shall provide all tools, tackle, implements, tensioning equipments, scaffoldings, ladders, etc. which are required for transportation, handling and erection of the equipment and materials.
  - ii. The owner's tools and equipment may be made available on payment of charges if and when available.
  - iii. All instruments for testing like Megger, Ammeter, continuity tester etc. required for satisfactory commissioning shall be procured by the Contractor free of cost to the Purchaser.
7. Services: - Supply of cement required in the erection of the contract work shall be the responsibility of the Contractor. However, in case the owner supplies any cement to the contractor for the contractor work, the cost of the same will be deducted from the contractor's monthly progress bills at the owner's rate which would be intimated earlier.
8. This part of the contract work includes furnishing all labour (Semi skilled, Unskilled) & supervisory personnel inclusive of the services of any Experienced Engineer.
9. General Requirement:

- i. The electrical installation shall meet the requirements of Indian Electricity Act, 2003 and CEA Regulations 2010 as amended upto date and also the applicable section of the latest revision of the relevant IS Code of Practice.
- ii. In addition, any relevant regulation applicable to the work shall be followed. In case of any discrepancy, the decision of the Purchaser shall be final.
- iii. All material or accessories which may not have been specifically mentioned but which are necessary or usual for satisfactory operation shall be furnished without any extra charge.
- iv. The quantities shown on drawings and annexure are tentative for tendering purpose only. Any future variation will be taken into account for adjustment of contract price based on unit rates quoted in the tender.

10. Specific Requirement – Installation:

- i. Methods and Workmanship.
  - a. All work shall be installed in a first class, neat workman like manner by linemen / electricians skilled in the trade involved.
  - b. The erection work shall be supervised by competent supervisors holding relevant supervisory license from the Government.
  - c. All details on installation shall be electrically and mechanically correct.
  - d. The installation shall be carried out in such a manner as to preserve access of other equipment installed
- ii. Protection of Work.
  - a. The Contractor shall effectively protect his work, equipment and materials under his custody from theft, damage or tampering.
  - b. Finished work where required shall be suitably covered to keep it clean and free from defacement or injury.
  - c. Contractor shall be held responsible for any loss or damage to equipment and material issued to him until the same is taken over by the Owner according to contract.
- iii. Safety Measures
  - a. All safety rules and codes as applicable to work shall be followed without exception.
  - b. All safety appliance and protective devices including belts, hand gloves, aprons, helmets, safety belts, shields, goggles etc. shall be provided by the Contractor for his personnel.
- iv. Co-operation
  - a. The Contractor shall at all times work in close coordination with the Owner's supervising personnel and afford them every facility to become familiar with erection and maintenance of the equipment.
  - b. The Contractor shall arrange his schedule of work and the method of operation to minimize inconvenience to other Contractors working on the Project.
  - c. In case of any difference between Contractors, the decision of the Engineer shall be final and binding on all parties concerned.

- v. Excavation for foundation of poles.
  - a. The foundation shall be excavated in the direction of the overhead line.
  - b. The excavation size shall be 4' x 4' x 6' (depth) for rail pole and 3' x 2' x 4' (depth) for stay.
  - c. Before the above excavation, positioning of stay anchor shall be determined considering its distance from the foot of the pole to be not less than  $\frac{1}{4}$  th of the height of support from the ground to the point of attachment of stay.
- vi. Filling up of excavated holes. After the foundation concrete is fully matured and shuttering remove, the excavated area around the foundations shall be properly back filled with earth.
- vii. Cement Concrete works for pole / stay foundations.
  - a. The concrete mix for rail pole foundation shall be 1:3:6 and 1:2:4 for stay foundation. The concrete foundation shall not be less than 3' x 3' x 6' size for rail pole and 2'x2'x4' for stay. A precast concrete base square footing 1' x 1' x  $\frac{1}{4}$ " of 1: 2: 4 ratios should be provided for the rail pole.  
For cement concrete works, sand, cement, stone chips of approved quality shall be mixed in desired proportion approved by the purchaser. The purchaser, if requirement may supply cement at issue rate from the available stock. Proportioning and mixing shall be properly done. Vibrator shall be used for mixing. The purchaser may at his discretion take sample of the mix and test the compressive strength of the cube.
- viii. Setting of Stay
  - a. The angle between the pole and stay shall be normally 45 Degree but where it is not possible, the minimum angle of 30 Deg. must be maintained. It is important to ensure that when the stay is set the same must have correct inclination relative to the ground and the whole screwed portion of stay rod shall protrude 127 mm above the ground.
  - b. At the determined position, the stay rod shall be given correct inclination and the stay with anchor shall be embedded in concrete foundation.
- ix. Handling and erection of ACSR Conductor.
  - a. Special care shall be taken in handling and erecting ACSR conductor. Skilled workmen along with properly designed tools shall be employed for this job.
  - b. Aluminium conductor should be over tensioned initially and be maintained as long as convenient before adjusting to the final sag and binding in at insulator.
  - c. A tension of 5 to 8% for all ACSR conductors above the pre-determined erection values is recommended.
  - d. In all straining, tensioning, jaggging operation, it is essential that sag tables or charts should be consulted.
- x. Cross-Arm General Arrangement
  - a) At all intermediate positions except at strain points 'V' bracket having triangular configuration shall be employed and the positions other than stated above horizontal cross-arm may be employed. For heavy loads and different crossing, corners longer or double cross-arms shall be provided.

- b) It is important that the strain positions, cross-arms shall be so fixed that the pulling shall draw the arm to the pole and not away from the job.

xi. Insulator Binding Arrangement

- a) The binding of conductor to insulator shall be sufficiently firm and tight to ensure that no intermittent contacts develop. The ends of binding wire shall be tightly twisted in a close speed spiral around the conductor to ensure good electrical contact and to strengthen the conductor.
- b) The conductor shall be given a helical layer of round section of armour rod at the point of attachment to insulators and binding in with aluminium binding wire.

xii. Safety Devices

- a) Cradle Guards for power line: - To conform to regulators at road crossing and other crossing, the span lengths shall have to be provided with cradle guards, as per direction. The same shall be erected and fitted between the supporting structures.
- b) Anti climbing Devices on lines: - To guarded against unauthorised climbing barbed wire having 4 barbs per 76 mm of 12.4 Kg/m wrapped helically spaced 76 mm around the limb of supports, bracking, stays etc, shall be provided.
- c) Protection from moving road vehicles.
- d) Fire hazards.

11. Civil Work: - Any cutting of masonry/concrete work, which is necessary, shall be done by the Contractor at his own cost and shall be made good to match the original work. The Contractor shall obtain approval of the Purchaser before proceeding with any cutting of masonry/concrete work.

12. Excavation and Backfilling.

- i. The Contractor shall perform all excavation and back filling as required for ground connection.
- ii. Such sheeting and shoring shall be done as may be necessary for protection of the work.
- iii. The Contractor shall make use his own arrangements for pumping out any water that may be accumulated in the excavation.
- iv. All excavation shall be backfilled to the original level with good consolidation.
- v. Equipment Painting: -Touch up paint at site shall have to done, if necessary at no extra cost to the purchaser.
- vi. Methods and Workmanship:- All work shall be installable in a first class, neat, workmanlike manner by technicians Skilled in this trade involved.
- vii. The erection work shall be supervised by competent, supervisors holding relevant Supervisory licence from the Government.
- viii. All details of installation shall be electrically and mechanically correct.
- ix. The installation shall be carried out in such a manner as to preserve access to other equipment installed.

**URANIUM CORPORATION OF INDIA LIMITED**  
**TURAMDIH MINE**  
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**V**

**SPECIAL CONDITIONS**

1. The Contractor has to arrange his own welding / gas cutting set or any other accessories required.
2. The Contractor shall depute supervisors skilled enough to supervise the works. The Supervisor should have license to work on High Tension Lines (up to 33KV). Besides supervisor contractor has to obtain insurance for 3 semiskilled and 3 unskilled persons. Qualification of semi-skilled should be able to climb at least 11 m high rail pole and should have experience of at least three years of working on 33 kV line maintenance/ erection. Certificate from any contractor having experience in 33 kV or above line erection/ maintenance will be required.
3. **Payment Terms:** Maximum four running account bills and final bill will be allowed.
4. **L1 decision:** Party who quotes lowest on overall basis shall be declared as L1 bidder.
5. **Safety and Security of UCIL's Materials :**Tenderer will be responsible for safe keeping of materials issued by UCIL on free of cost / chargeable basis and on completion of work or during the course of work all materials issued to the tenderer shall be accounted for.
6. Contractor has to arrange his own vehicle to transport the men, materials, tools and tackles to various sites. However, in case of a sudden breakdown of 33KV line the vehicle can be provided by UCIL subject to availability for shifting of light materials excluding rails and ACSR Conductor on chargeable basis if so desired by the Contractor.
7. The contractor shall cover all materials at site with requisite insurance against theft, larceny, dacoity, fire, tempest, flood etc.
8. The special conditions given in this section shall supersede the conditions given elsewhere in this document.
9. Power supply if required will be provided free at one point where electric supply is available.
10. Any material required for the work will be issued to the contractor by UCIL at our site stores and contractor shall make own arrangement for lifting, shifting of the same to work site.
11. Period of Contract - Four Months.
12. The Contractor shall have to co-ordinate with J.B.V.N.L. and J.U.S.N.L. for shutdown and any other related work. The Contractor shall co-ordinate with PWD, local Bodies of Government for any related work.
13. 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.
14. Regarding payment of royalty towards use of mining minerals, the rules already in vogue and amended from time to time shall be applicable.
15. The nature of work is scheduled as well as breakdown maintenance of the 33 KV line. Therefore, the Contractor should ensure that one supervisor and group of at least 3(Three) semiskilled / unskilled labours are always available at call on short notice so that they can be deployed to site immediately after breakdown.

16. 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.
17. 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.
18. 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.
19. The contractor has to enter the materials to be supplied by the contractor in UCIL Turamdih through challan duly certified by CISF at main gate.
20. The quantity of items in the schedule is only tentative. As the nature and severity of breakdown during the period of contract is not beforehand so the items in the schedule can vary to any extent and may be excluded altogether based on nature of breakdowns and subsequent maintenance required.
21. Penalty Clause: - The contractor has to supply the patrolling gangue on intimation of breakdown. The gangue should start patrolling within one hr. of intimation else penalty at the rate of 0.5% of the awarded value will be deducted per instance. Payment for fault finding will be made only if the patrolling is completed and line gets charged. Else the contractor will have to do the patrolling again without any additional cost. Non-charging of line within three hours of breakdown from Turamdih to Narwapahar (if the fault is clear up to Narwapahar) will attract a penalty of 0.5% of total awarded value.
22. **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 parson 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. **All the persons** who are required **to be imparted vocational training** under the Mines Vocational Rules, 1966 will have to be imparted vocational training at the Group VTC, Narwapahar **before engaging them in the actual operations.**
  - iv. 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



23. The bidder must quote only in the format given in the schedule.
24. Following mandatory things to be done by successful tenderer before deployment of manpower for this job:
- a) All the employee of successful tenderer will have to undergo Initial Medical Examination (IME) that would be conducted by UCIL at UCIL Hospital, Turamdih/ Narwapahar. Those who are found medically fit in above mentioned test; will be deployed by contactor for execution of this job.
  - b) As per Mines Vocational Rules 1966, it is mandatory to impart Vocational Training to all employees under the contractor before deployment at site. This training would be conducted by UCIL at VTC, Narwapahar Mines.
  - c) All the expenditure incurred in above mentioned test and training would be taken care by the contactors.
25. 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.

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**TURAMDIH MINE**  
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**Schedule – ‘A’**

**Materials for the free issue to the contractor:**

Sl. No.	Particulars	Quantity
1.	Cross Arm	As per Requirement
2	Pin Insulator	As per Requirement
3	Disc Insulator	As per Requirement
4	PG Clamp	As per Requirement
5	Packing Pieces	As per Requirement
6	GI Wires	As per Requirement
7	Dog Conductor	As per Requirement
8	All Types of Clamps	As per Requirement
9	Nuts and Bolts	As per Requirement
10	Channels	As per Requirement
11	Rail Pole	As per Requirement
12	Lightening Arrester	As per Requirement
13	AB Switch	As per Requirement
14	Stay Set	As per Requirement
15	Cross Bracing	As per Requirement

**PRICE FORMAT**

निविदा आमंत्रित करने वाले अधिकारी का पदनाम -:	अपर अधीक्षक) विद्युत(, तुरामडीह खान
कार्य का नाम	33 kV Overhead Line Maintenance between Turamdih and Narwapahar for four months
निविदा संख्या	युसिल/तुरामडीह खान/२०२३-०५ दिनांक - : २५/०५/२०२३
निविदादाता के फर्म का नाम	

**Schedule of Quantities**

क्रम संख्या	सामग्री का विवरण	माप	इकाई	मूल दर रुपये में) अंकों में( जी .एस .टी. सहित	मूल दर रुपये में) शब्दों में ( जी .एस .टी .सहित	कुल राशि) जी . एस .टी . सहित (अंकों में
१	Replacement of 33KV Pin insulator including supply of necessary fixing materials. This includes binding of ACSR DOG Conductor also.	10	Nos.			
२	Replacement of 33KV disc insulator including supply of necessary fixing materials in existing 33KV line.	3	Sets			
३	Replacement of 33KV cross arm including supply of necessary fixing materials.	2	Nos.			
४	Replacement of packing pieces in existing cross arms.	16	Nos.			
५	Replacement of PG clamp for DOG conductor including supply of necessary fixing materials.	7	Nos.			
६	Installation of GI wire 7/10 SWG for stay including supply of necessary fixing materials.	70	Kg.			
७	Installation of GI wire 8 SWG for guard wire.	70	Kg.			
८	Installation of GI wire 7/14 SWG for earth wire including supply of necessary fixing materials.	165	Kg.			

୧	Replacement of back clamp for cross arm and top bracket (50mm x 10mm Flat) including supply of necessary fixing materials.	6	Nos.			
୧୦	Installation of D.P. channels (100mm x 50mm x 6mm) 1 x 3 mtrs. Including supply of necessary fixing materials.	1	Sets			
୧୧	Installation of D.P. channel support clamps including supply of necessary fixing materials.	4	Pairs			
୧୨	Replacement of earth clamps for earth wire including supply of necessary fixing materials.	8	Nos.			
୧୩	Replacement of side stay clamp including supply of necessary fixing materials.	3	Pairs			
୧୪	Replacement of angle stay clamp including supply of necessary fixing materials.	2	Pairs			
୧୫	Replacement of cross bracing for D.P. structure including supply of necessary fixing materials.	1	Sets			
୧୬	Replacement of clamp for X-bracing including supply of necessary fixing materials.	13	Nos.			
୧୭	Installation of earthing pit using pipe earth electrode as per drawing including connection to earth wires and supply of necessary materials required it.	1	Nos.			
୧୮	Laying & tensioning of ACSR DOG Conductor including fixing / binding at insulators in the 33KV line (Per KM consist 3 Conductor of RYB phases).	0.33	KM			

१९	Tensioning of DOG Conductor and supporting & fixing on insulators including binding as required in the section (Per KM consist 3 Conductor of RYB phases).	0.33	KM			
२०	Cutting & removal of hages, trimming of trees / branches of size more than 4" dia and disposal of un-serviceable materials to UCIL canteen building as per direction of Engineer-in-charge.	300	Nos.			
२१	Cutting & clearing jungle / grass including uprooting of rank kegetation, long grass, bush wood, trees and saplings upto 4" dia measured at a height of 1 mtr. above ground level as per direction of Engineer-in-charge.	75000	m2			
२२	Erection of M.S. Rail pole 105 lbs, 13 mtrs. long including drilling of 2 Nos. holes of 5/8" dia as required at one end of rail pole for fixing of F- clamps.	1	Nos.			
२३	Installation of AB switches on double pole structure. This includes fixing of required channels / clamps and other fixing as required and for proper operation. This includes connection of DOG Conductor also.	1	Nos.			
२४	Installation of 33KV lighting arrestor on double pole/Single pole completed with line and earth connections.	2	Sets			
२५	Maintenance of AB Switch on double pole structure.	8	Sets			
२६	Numbering on Rail Poles including supply of paints.	23	Nos.			

२७	Supplying and erection of galvanised stay set for 33 KV over head lines complete with 19/ 20 mm dia X 1.8 metres long stay rod, anchor plate of size 45 cm X 45 cm X 7.5 mm thick, thimble, stay clamps, turn buckle ( 20 mm X 600 mm ), 7/ 4.00 mm dia G.I. stay wire and 33 KV strain insulator etc in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size ) foundation including excavation and refilling etc. as required.	4	Sets			
२८	Providing and making Rail pole collar with cement concrete (1 cement: 3 coarse sand: 6 stone aggregate 20mm) of specified size and shape including form work, plastering if required, curing etc as required. (volume of pole/ pipe not to be deducted).All materials will be supplied by the contractor.	3	cum			
२९	33 kV Overhead Line Fault finding patrolling.(Patrolling report of both the circuit should be communicated to Engineer in charge and his representative within two hours from the time of information of breakdown received).	10	Time s			
कुल राशि अंकों में						
कुल राशि शब्दों में						