

**INDIRA GANDHI NATIONAL OPEN UNIVERSITY
CONSTRUCTION & MAINTENANCE DIVISION
MAIDAN GARHI: NEW DELHI- 110 068**

NOTICE INVITING TENDER

1. Item Rate tenders are invited on behalf of Vice Chancellor, IGNOU from approved eligible contractors of CPWD/PWD/DOT/BSNL/MES for the work of Operation and routine maintenance of electric sub-station equipment in ESS-5, and ESS No.10 meant for block No.-15, at IGNOU Campus, Maidan Garhi, New Delhi.
2. The enlistment of the contractor should be valid on the last date of sale of tenders.
3. In case only the last date of sale of tender is extended, the enlistment of contractor should be valid on the original date of sale of tenders.
4. In case both the last date of receipt of application and sale of tenders are extended, the enlistment of contractor should be valid on either of the two date's i.e. original date of sale of tender or the extended date of sale of tenders.
5. The work is estimated to cost ₹ 14,40,206/- (Rupees Fourteen Lakh forty thousand two hundred six only). This estimate, however, is given merely as a rough guide.
6. The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NIT's for calling the tenders. He will also nominate Division, which will deal with all matters relating to the invitation of tenders. For composite tenders, besides indicating the combined estimated cost put to tender, should clearly indicate the estimated cost of each component separately. The eligibility of tender will correspond to the combined estimated cost of different components put to tender.
7. The tenders will be issued to eligible contractors provided they produce definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority of having satisfactorily completed similar works of magnitude as specified in the advertisement.
8. Agreement shall be drawn with the successful tender on prescribed Form No. CPWD-8, which is available as a Govt. of India publication. Tender shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.
9. The time allowed for carrying out the work will be one year from the date of start as defined in the Schedule 'F' or from the first date of handing over the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
10. The site for the work shall be made available in parts as specified below:
Site is available.
11. Applications for issue of forms shall be received by ----- (2.30 PM) and tender documents shall be issued by Executive Engineer (C) (upto 2.30 p.m.). Tender documents consisting of plans, specifications, the schedule of quantities of various classes of work to be done and the set of terms and conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents can be seen in the office of the Executive Engineer between hours of 11.00 a.m. & 4.00 p.m. from _____ to _____ everyday except on Saturdays/Sundays and Public Holidays. Tender documents, excluding standard form, will be issued from his office, during the hours specified above, on payment of ₹ 500/- in cash (non-refundable) as cost of tender.
12. Earnest Money of ₹ 28,804/- in shape of Pay Order/Demand Draft of a schedule Bank issued in favour of IGNOU, New Delhi should accompany the tender.

13. Tenders, which should always be placed in sealed envelope, with the name of work and due date written on the envelopes, will be received by the Executive Engineer (E) upto 3.00 p.m. on ----- and will be opened by him or his authorized representative in his office on the same day at 3.30 p.m.
14. The contractor, whose tender is accepted, will be required to furnish Performance Guarantee of 5% (Five percent) of the tendered amount within the period specified in Schedule 'F'. This guarantee shall be in the form of cash (in case guarantee amount is less than ₹ 10,000/-) or Deposit at call receipt of any scheduled bank/Banker's cheque of any scheduled bank/Demand draft of any scheduled bank/Pay order of any scheduled bank (in case guarantee amount is less than ₹ 1,00,000/-) or Government securities of Fixed deposit receipts or Guarantee bonds of any Scheduled bank or the State Bank of India in accordance with the prescribed form.
15. Description of work is given at Page No. 1 may be seen. Copies of other drawings and documents pertaining to the works will be open for inspection by the tender at the office of the above mentioned officer. Tender are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tender shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tender shall be responsible for arranging and maintaining at his own cost all materials, tools and plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tender implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plants etc will be issued to him by the IGNOU and local conditions other factors having a bearing on the execution of work.
16. The competent authority on behalf of Vice Chancellor, Indira Gandhi National Open University does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all tenders received without assignment of any reasons. All tenders in which any of the prescribed condition is not fulfilled or any conditions including that of conditional rebate is put forth by the tender shall be summarily rejected.
17. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractor who resorts to canvassing will be liable to rejection.
18. The competent authority on behalf of Vice Chancellor, Indira Gandhi National Open University reserves to himself the right of accepting the whole or any part of the tender and the tender shall be bound to perform the same at the rate quoted.
19. The contractor shall not be permitted to tender for work in IGNOU (responsible for award and execution of contracts) in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grade of Suptd. Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relative to any gazetted officer in the University. Any breach of this condition by the contractor would render him liable to be removed from the approved list of the contractors of this department.
20. No Engineer of gazetted rank or other gazetted officer employed in Engineering or Administrative duties in an Engineering deptt. of the University is allowed to work as a contractor for a period of one year after his retirement from service, without the previous permission of the University authorities in writing. The contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such person who had not obtained

the permission of the University as aforesaid before submission of the tender or engagement in the contractor's service.

21. The tender for the works shall remain open for acceptance for a period of ninety (90) days from the date of opening of tenders. If any tender withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the deptt, then the University shall, without any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further the tender shall not be allowed to participate in the re-tendering process of the work.
22. This Notice Inviting Tender shall form a part of the contract document. The successful tendered/contractor, on acceptance of his tender by the Accepting authority, shall, within 15 days from the stipulated date of start of the work, sign the contract consisting of :
 - (a) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
 - (b) Standard CPWD form 8.
23. For composite tenders
 - (i) The tender must associate with himself agencies of the appropriate class eligible to tender for the other components individually.
 - (ii) It will be obligatory on the part of the tender to sign the tender document for all the components. (The schedule of quantities, conditions and special conditions etc).
 - (iii) After the work is awarded, the contractor will have to enter into separate agreements for each component with the officer concerned.
 - (iv) Executive Engineer in charge of minor component shall make interim payments in respect of minor component of work. Executive Engineer Incharge of the major component shall make the payment against final bill of the composite work
 - (v) The Executive Engineer-In-charge of the major component will call tenders for the composite work. The cost of tender document and earnest money will be fixed with respect to the combined estimated cost put to tender for the composite tender. Security deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of woks. The earnest money will become part of the security deposit of the major component of work.
 - (vi) On acceptance of composite tender by the competent authority, the letter of award will be issued by the Executive Engineer-In-charge of the major component on behalf of Vice Chancellor, IGNOU, making it clear in the letter of award that the contractor will have to execute separate agreements for different components of work with the concerned officers of the respective discipline.

EXECUTIVE ENGINEER (ELECTRICAL)
Engineer-In-charge
For and on behalf of Vice Chancellor, IGNOU

**INDIRA GANDHI NATIONAL OPEN UNIVERSITY
CONSTRUCTION & MAINTENANCE DIVISION
MAIDAN GARHI: NEW DELHI- 110 068**

Item Rate Tender

(A) Tender for the work of Operation and routine maintenance of electric sub-station equipment in ESS-5 and ESS No.10 meant for block No.-15, at IGNOU Campus, Maidan Garhi, New Delhi.

- (i) To be submitted by 3.00 p.m. on _____
- (ii) To be opened in presence of tenderers who may be present at 3.30 p.m. _____ in the office of the Executive Engineer (E).

Issued to _____

Signature of the officer issuing the documents _____

Date of issue _____

TENDER

I/We have read and examined the Notice Inviting Tender schedule A, B, C, D, E & F. Specifications applicable, drawings and design, General Rules and Directions of contract, clauses of contract, special conditions, Schedule of Rate and other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the Vice Chancellor, IGNOU within the time specified in Schedule 'F' viz. schedule of quantities and in accordance in all respect with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and directions and in clause 11 of the conditions of the contract with such materials as are provided for, by, and in respect in accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for ninety (90) days from the due date of its opening and not to make any modifications in its terms and conditions.

A sum of ₹ 28,804/- has been deposited in Pay order/Demand Draft of a scheduled bank as earnest money. If I/We fail to furnish the prescribed Performance guarantee within prescribed period, I/We agree that the said Vice Chancellor, IGNOU or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that Vice Chancellor, IGNOU or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, upto maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in clauses of the tender form.

Further, I/We agree that in case of forfeiture of earnest money or both earnest money and Performance guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work. We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the satisfy of the state.

Dated:

Signature and address of the contractor

Witness:

Address:

Occupation

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Vice Chancellor, IGNOU for a sum of ₹_____ (Rupees

The letters referred to below shall form part of this contract Agreement.

(a)

(b)

(c)

For and on behalf of Vice Chancellor, IGNOU

Signature and Designation

SCHEDULE 'F'

Reference to General conditions of the contract.

Name of work: -Operation and routine maintenance of electric sub-station equipment in ESS-5 and ESS No.10 meant for block No.-15, at IGNOU Campus, Maidan Garhi, New Delhi.

Estimated cost of work	₹ 14,40,206/-
Earnest Money	₹ 28,804/-
Performance Guarantee:	5% of tendered value
Security deposit	5% of tendered value

General Rules & Directions

Officer Inviting tender	Executive Engineer (E), CMD
Maximum percentage for quantity of items of work to be Executed beyond which rates are to be determined in Accordance with Clauses 12.2 and 12.3	30%

Definitions

2(i) Engineer Incharge	Executive Engineer (E),CMD
2(ii) Accepting Authority	VC (IGNOU)
2(iii) Percentage on cost of material and labour to cover all overheads and profits	15%
2(iv) Standard Schedule of Rates	DSR-13 & Market Rates
2(v) Department	CMD (IGNOU)
9(vi) Standard CPWD contract form	CPWD form 8 as Modified upto date

Clause-1

(i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance	10days
(ii) Maximum allowable extension beyond the period provided in 1 (i) above	10 days

Clause-2

Authority for fixing compensation under clause-2	VC (IGNOU)
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Clause-2 A

Whether clause 2-A shall be applicable.

NO

Clause 5Number of days from the date of issue of letter of acceptance
For reckoning date of start

10 days

Mile stone (s) as per table given below:

Table of Mile Stone(s)

S.N.	Description of Milestone (Physical)	Time allowed in days (from dt of start)	Amount to be withheld in case of non-achievement of milestone
1.	NA	NA	NA
2.	NA	NA	NA
3.	NA	NA	NA

Time allowed for execution of work

One Year

Clause 6,6A

Clause applicable (6 or 6-A)

6

Clause-7Gross work to be done together with net payment/adjustment
of advances for material collected, if any, since the last
such payment for being eligible to interim payment

NA

Clause-10A

List of testing equipments to be provided by the contractor at site lab

1. _____NA_____

2. _____NA_____

3. _____NA_____

4. _____NA_____

Clause-10B

Whether clause 10-B (ii) shall be applicable

No

Cause-10 CA

Material covered under this clause	Nearest material for which All India wholesale price index is to be followed
1. NA	NA
2. NA	NA
3. NA	NA

Clause-10CC

Clause 10-CC to be applicable in contract with stipulated period of completion exceeding the period shown in next column

NA

Clause-11

Specification to be followed for execution of work

As Per CPWD Specifications for electrical part I&II amended up to date & special Conditions of tender

Clause-12

12.2 & 12.3 – Deviation limit beyond which clauses 12.2 & 12.3 shall apply for building work

30%

12.5 Deviation limit beyond which clauses 12.2 & 12.3 shall apply for foundation work.

N.A

Clause-16

Competent authority for deciding reduce rates

VC (IGNOU)

Clause-18

List of mandatory machinery, tools and plants to be deployed by the contractor at site.

As per site requirement

1. _____ 2. _____ 3. _____
4. _____ 5. _____ 6. _____

Clause- 36 (i)

Requirement of Technical Representative(s) and recovery rates

S.N	Minimum Qualification of Technical Representative	Discipline	Description (Principal Technical/ Technical Representative)	Minimum Experience	Number	Rate of recovery shall be made from the contractor in the event of not fulfilling provisions of clause 36(i)	
						Figure	Words
1	Graduate Engineer	Electrical		Nil	1	₹ 10,000/-	Ten Thousand
2	Or Diploma Engineer	-do		5Yrs	-do-	-do-	-do-

Assistant Engineers retired from Govt services that are holding Diploma will be treated at Par with Graduate Engineers.

Clause-42

Whether clause 42 shall be applicable

-No-

Notice Inviting Tender

Name of Work : **Operation and routine maintenance of electric sub-station equipment in ESS-5, and ESS No.10 meant for block No.-15, at IGNOU Campus, Maidan Garhi, New Delhi.**

Estimated Cost : **₹ 14,40,206/-**

Earnest Money : **₹ 28,804/-**

Performance Guarantee : **5% of tendered cost**

Security Deposit : **5% of tendered cost**

Time Allowed : **One Year**

Certified that this NIT contains_____ pages.

Executive Engineer (E)

NOTE

In this Agreement wherever the word mentioned under Column 'A' appear the same may be construed to mean the word opposite to it in Column 'B' except for CPWD Contractor Labour Regulation, CPWD Safety Code, CPWD Specification and Delhi Schedule of Rates CPWD.

'A'

'B'

Central PWD, CPWD

Indira Gandhi National Open University

President of India

Vice –Chancellor, IGNOU

Chief Engineer

Chief Project Officer, IGNOU

Superintending Engineer

Chief Project Officer, IGNOU

Divisional Officer)
Engineer Incharge)

Executive Engineer (E), CMD, IGNOU

Sub-Divisional Officer

Assistant Executive Engineer (E), CMD, IGNOU

INDIRA GANDHI NATIONAL OPEN UNIVERSITY
CONSTRUCTION & MAINTENANCE DIVISION
MAIDAN GARHI, NEW DELHI
NOTICE INVITING TENDER

No. IG/CMD/EE(E)/NIT/2013-14/

Dated:

The Executive Engineer (E) Construction Maintenance Division invites on behalf of Vice-Chancellor, Indira Gandhi National Open University, sealed item rate Tenders for the following work from the approved and eligible contractors those of appropriate class of CPWD/PWD/DOT/BSNL/ MES who have already executed at least one similar work costing 80% or two similar works costing 60% each or three similar works costing 40% each of estimated cost during the last five years, from government or it's agency. The tenders will be sold only on production of Original Registration, Electrical licence, PAN No, TIN No, last paid challan of VAT and proof for satisfactory completion of similar works duly certified by the competent authority of the client department.

Name of Work	Estimated Cost (in Rs.)	Earnest Money (in Rs.)	Cost of Tender (in ₹) N/R	Last Date of Receipt & sale of Tender	Date of Opening of tender	Time Allowed
Operation and routine maintenance of electric sub-station equipment in ESS-5 & ESS No.10 meant for block No.-15 at IGNOU Campus, Maidan Garhi New Delhi-68.	14,40,206/-	28,804/-	500/-	13.06.2014	16.06.2014	One Year

Tender documents can be obtained from the office of the undersigned, Construction & Maintenance Division, Indira Gandhi National Open University, Maidan Garhi New Delhi-68 on any working day upto 2.30 pm on the date given above .The time for submission of Tenders are upto 3.00 pm which shall be opened on the same day at 3.30 pm on the date given.The undersigned reserves the right to accept or reject any or all tenders without assigning any reason.

Note:- The tender documents in the website are for information only. Downloaded tender documents will not be considered for bidding. The contractor shall quote their rates in the NIT issued by the department only. If rates quoted in other form will not be considered. Contractors/Agencies have to act as per above NIT.

(U. P. Sharma)
Executive Engineer (E)

Name of work:- Operation & routine maintenance of Electric sub-station equipment in ESS-5, and ESS No.10 meant for block no.-15 at IGNOU Campus, Maidan Garhi, New Delhi.

Scope of work:

The following works deemed to carryout by the contractor during the contract period within quoted rates:-

1. Providing necessary trained and technically qualified staff for satisfactory operation of sub-station equipments as and when required for two sub-stations in three shifts with the following manpower:
 - a. Sub-Station cum D.G. Set Operator -2 nos. (In each shift for three shifts for two sub-station)- at above two locations viz (i) ESS-5 at down Campus and (ii) ESS-10 (Meant for block no.-15).
 - b. Khallasi/Helper – 01 no. (For general shift for each sub-station) at above two locations viz: (i) ESS-5 at down Campus (ii) ESS-10 meant for block no.-15.
 - c. Electrician-01 no. (Routine visit in a month is compulsory and in case of any emergency) – at above two locations viz: (i) ESS-5 at down Campus (ii) ESS-10 (meant for block no.-15)
2. Facilitating necessary T&P to carryout the work and providing & fixing petty items like HRC fuses, battery water, grease, cotton waste, duster, soap etc. for satisfactory day-to-day routine maintenance of electrical equipments in the sub-stations.
3. In addition to regular general cleaning & maintenance of sub-station areas, equipments and machineries, contractor has also to carryout two time internal cleaning of HT/LT panels, bus trunking and other allied equipments in the sub-station (one before ensuing of summer and second before ensuing of winter) in a year. If any shut down required for the purpose of cleaning/ maintenance, prior approval/notice of Engineer-in-charge is required.
4. The contractor shall ensure that record of all electrical parameters must be recorded in each hours of duration (HT, LT & DG sets) in the prescribed log books for all individual sub-stations by his deployed staff. The log books, registers etc. required for the purpose shall be arranged by the contractor only.
5. Periodical checking of functioning of electrical switch gears i/c terminations etc. also to be carried out by the contractor and record of the same has to be maintained. If any overheating/ malfunctioning of switch gears and their end terminations identified by the contractor staff then the same shall be immediately reported to the department.
6. Preventive maintenance of electrical protection systems and dehydration of transformers i/c servicing of ACB's, VCB's & OCB's etc. as in the tender shall be carried out by the agency at site in presence of Engineer-in-charge or his representative once during the contract period with prior approval of Engineer-in-charge. Record of such preventive maintenances and their parameters shall be maintained and submitted to the department. If any top up of oil in transformer, OCB noticed during the contract period the same shall be provided & filled by the contractor with in the quoted rates. Also, If any calibration/ testing of the protection devices required more than one time during the contract period as per site requirement, the contractor has to get them tested without any claim. The T&P required for this purpose to be arranged by the contractor only.
7. Contractor shall intimate the names of the agencies in the similar field for carrying out the items as in SUB-HEAD-II, III & IV Decision of Engineer-in-charge shall be final & contractor has to act accordingly.

Special Terms and Conditions

1. The work shall be carried out as per CPWD General Specifications for Electrical Works, part-I & part-II 2007 and part IV (sub-station) 1982 and amended upto date and shall comply with the Indian Electricity Rules/ Acts, BIS code of practice etc. as applicable in force amended upto date.
 2. The work has to be carried out at IGNOU Campus, Maidan Garhi, New Delhi and the contractor shall visit the site at his own cost, before quoting rates. Nothing extra shall be entertained beyond to his quoted rates.
 3. If any damage/ loss made to the equipments, buildings or any other parts or accessories of the system etc. during the execution of the work, the contractor shall be solely responsible and he has to rectify/ replace the damaged/ lost things at his risk & cost or else otherwise department will get it done at his risk & cost. Decision of Engineer-in-charge in this regard is full & final.
 4. Bad workmanship whenever noticed and conveyed to the contractor, verbal or expressed, shall be rectified by the contractor at his own cost and to the satisfaction of the Engineer-in-charge.
 5. The rates quoted shall be inclusive of all taxes and duties. No Service tax will be paid. ESI & EPF will be reimburse if contractor claims subject to deposit of paid challan to the department for the subject work along with detail of staff engaged.
 6. In case of any dis-obedience by the staff of the contractor with the authorities/ Engineer-in-charge and his authorized representatives, the contractor shall be responsible fully for such consequence and such staff shall be removed from the site immediately. The Engineer-in-charge reserves the right to re-deploy the staff of the contractor at any time without any notice.
 7. The contract can be terminated by the Engineer-in-charge at any time without assigning any reasons.
 8. All safety equipments & T&P shall be provided by the contractor to his deployed staff to avoid any untoward mishap/ accident for carrying out the work. If any mishap/ accident occurs then the contractor shall be held responsible for the same. No claim, what so ever will be entertained by the department on this account.
 9. The contractor shall deploy the number of manpower as mentioned in the scope of work clause-1. If any person found absent, penalty per shift per person shall be made from the bill as per the rate given below:
 - i. Sub-station cum DG set operator @ ₹550/- per shift per person
 - ii. Helper @ ₹350/- per shift per person
- The detail of engaged staff for the purpose shall be furnished by the contractor to the department with in 10 days of start of work.
10. Department may visit Sub-Station's randomly to check the record parameters and if the same are not as per actual then penalty @1000/- for each visit will levied from the contractor bill.
 11. The contractor shall fully responsible to comply labour laws for carrying out the subject work.
 12. Water & Electricity shall be provided to the contractor free of cost, if available for carrying out the subject work.
 13. The site of work shall be handed over by the contractor to the department after completion/ termination of contract on the same day with all equipments, machineries in functional and free from defects otherwise, a penalty @ ₹10,000/- per day will be levied if the agency fails on this account. The penalty shall be imposed and deducted from the final bill/ PBG.

14. The contract can be extended for next period of one year on same rates, terms and conditions w.r.t. satisfactory work performance of the agency.
15. Payment will be released to the contractor quarterly after receipt of reports & status of sub-station equipments etc.
16. P.G. @ 5% shall be deposited to the department on the tendered amount by the agency before award of work. S.D. @5% will be with hold while releasing of payment & same will be refund after expire of warranty/defect liability period.
17. If the lowest agency back out then the EMD deposited will be forfeited as per rule. Also the agency will be debarred in participating IGNOU Works for period of 3 years.
18. After Completion of work, the site shall be handed over by the agency to the department with in a period of one week failing which recovery @ Rs. 5000/- per day will be levied and such recovery will be made from the final dues of the agency.

(U.P.SHARMA)
Executive Engineer (E)

SCHEDULE OF QUANTITY

Estimated Cost: 14,40,206/-

Earnest Money Deposit: 28,804/- (Demand Draft/Pay order only in favour of IGNOU)

Issued to:-

Time Allowed: One Year

Date of opening:-

Name of work: Operation and routine maintenance of Electric sub-station equipment in ESS-5, and ESS No.10 meant for Block no.15 at IGNOU Campus, Maidan Garhi, New Delhi-68.

S.no	Description	Qty.	Unit	Rate	Amount
1.	SUB-HEAD-I (Operational Staff)				
	Operation and routine maintenance round the clock basis of sub-station equipments, transformers, HT and LT panels with switch gears, bus trunking, DG set (only operation) i/c their AMF/manual panels, emergency LT panels with switch gears & other electrical equipments installed in sub-station No. 5 and sub-station for block no. 15 at IGNOU Campus by deputing necessary technical qualified as per scope of work & terms and conditions.	02 job (for 12months)	Per Job/ Per month		
2.	SUB-HEAD-II (Preventive maintenance of Electrical Protection System)				
	Testing, Calibrating, Setting of IDMT (Disc operated), relays installed in HT/LT panel with secondary injection test i/c overhauling, removal of minor defect & co-ordination of relay settings etc. as required.	04 Nos.	Each		
3.	Testing, Calibrating of Auxiliary relays/meter trip relays installed in HT panel for transformer protection i/c wiring of transformers, etc. required.	02 Nos.	Each		
4.	Servicing of 11 KV HT OCB i/c dehydration of oil i/c cleaning, checking & greasing of mechanical parts/system for smooth and trouble free functioning, measuring contact resistance and closing tripping time etc. as req. Make CG Make/400A	04 Nos.	Each		
5.	Servicing of LT ACB i/c cleaning, checking & greasing of mechanical parts/system for smooth and trouble free functioning, measuring contact resistance and closing tripping time (ACB, EDO, 1600A) etc. as req.	03 Nos.	Each		
6.	Servicing of LT ACB i/c cleaning, checking & greasing of mechanical parts/system for smooth and trouble free functioning, measuring contact resistance and closing tripping time (ACB, EDO, 800A) etc. as req.	02 Nos.	Each		
7.	Dehydration/filteration of transformers oil with providing filteration machine at site and				

	checking of oil break down value at site complete as required.				
	Tranformer 11 KV/433 V-750 KVA-1 nos and				
	1000 KVA-1 No. oil qty in litres (605+660)=1265 litres	1265 litre	Per Litre		
8.	Testing, calibrating of CT's in the HT panels along with tripping CKT by primary injection method etc. complete as required.	05 Nos.	Each		
9.	Checking/Testing of earth resistance of earth strips/electrodes of sub-stations No. 5 by digital earth resistance method (Earth resistance to be checked for all earth electrodes/available earth strips in sub-station) etc. complete as required.	01 Job	Per Job		
10.	Servicing of change over switches complete etc. as required.	02 Nos.	Each		
11.	Servicing of switch fuse units etc. complete as required.	23 Nos.	Each		

(U.P.SHARMA)
Executive Engineer (E)