

# INDEX

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**Executive Engineer (E)**  
**CCW: AIR: PATNA**

**INFORMATION AND INSTRUCTIONS FOR CONTRACTORS FOR e-BIDDING  
FORMING PART OF NIT AND TO BE POSTED ON WEBSITE**

The Executive Engineer (E), Civil Construction Wing, All India Radio, Patna on behalf of President of India invites e-tender in two bid system [Stage-I: Pre-qualification of agencies as per eligibility criteria & Stage-II: Price bid] on line Item rate bids from approved and eligible contractors of appropriate list of C.P.W.D. /M.E.S. /B.S.N.L. /Railways /West Bengal State P.W.D. and specialized agencies/firms working in the relevant field for the work;

1. Replacement of old existing industrial type L.T. Panel and S.D.Bs etc. for All India Radio, Siliguri.
2. Replacement of the old existing piano type switch sockets with modular type switch & sockets, providing of ceiling fan / heavy duty exhaust fans, renovation of earthing system and service connection etc. for studio complex, All India Radio at Siliguri. SH:-I (Fans & Fittings.)
3. Replacement of the old existing aluminium wiring with copper wiring in the Studio cum Office block including the ancillary structure for All India Radio at Siliguri.

NIT No.	Name of work & Location	Estimated Cost put to tender	Earnest Money	Period of Completion	Last date & time of submission of Tender (ON LINE)	Time & Date of opening of Eligibility documents
1	2	3	4	5	6	7
SE (E)/CCW/AIR/Ko/NIT/04 of 2018-19	1. Replacement of old existing industrial type L.T. Panel and S.D.Bs etc. For All India Radio, Siliguri. 2. Replacement of the old existing piano type switch sockets with modular type switch & sockets, providing of ceiling fan / heavy duty exhaust fans, renovation of earthing system and service connection etc. for studio complex, All India Radio at Siliguri. SH:-I (Fans & Fittings.) 3. Replacement of the old existing aluminium wiring with copper wiring in the Studio cum Office block including the ancillary structure for All India Radio at Siliguri.	Rs. 20,60,365/-	Rs. 41,207/-	06 (Six) Months	26.12.2018 up to 23.59 Hrs.	27.12.2018 at 12.30 Hrs

1. Intending bidders

(a) Should have satisfactorily completed similar work as mentioned below during the last seven years ending last day of the month previous to the one in which the tender is invited. The work should have been done in some Central Govt./Central Autonomous body/ State Govt. / State Govt. Undertaking.

(i) Three similar work each of value not less than 40 % of the estimated cost put to tender

Or

(ii) Two similar work each of value not less than 60 % of the estimated cost put to tender

Or

(iii) One similar work of value not less than 80 % of the estimated cost put to tender

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7 % per annum, calculated from the date of completion to the last date of receipt of application for tender.

Similar work shall mean work of “**SITC of LT panel board, rewiring/IEI works etc.**”

2. The intending bidder must read the terms and conditions of CPWD-6 carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
3. Information and Instructions for bidders posted on website shall form part of bid document.
4. The bid document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website [www.tenderwizard.com/AIR](http://www.tenderwizard.com/AIR) free of cost.
5. But the bid can only be submitted after uploading the mandatory scanned documents such as Certificate of work experience/Credential, Demand Draft or Pay order or Banker's Cheque or Deposit at call Receipt or Fixed Deposit Receipts and Bank Guarantee of any Scheduled Bank towards EMD in favor of **Executive Engineer (E), Civil Construction Wing, All India Radio, Kolkata Payable at Patna** and Processing Fee in favour of **ITI Limited**, Goods & Service Tax registration and other documents as specified.  
**e-Tender Processing Fee – Rs.2431.00** to be paid through E-Banking to ITI Limited.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50 % of earnest money or Rs.20 lacs, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled bank having validity for 6 months or more from the last date of receipt of bids should be deposited either in the office of Executive



6. The “Eligibility documents” shall be opened first on due date and time as mentioned above. The time and date of opening of financial bid of contractors fulfilling the eligibility criteria shall be communicated to them at a later date.
7. Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website.
8. The intending bidder must have valid class-III digital signature to submit the bid.
9. On opening date, the contractor can login and see the bid opening process. After opening of bids he will receive the competitor bid sheets.
10. Contractor can upload documents in the form of JPG format and PDF format.
11. Contractor must ensure to quote rate of each item. The column meant for quoting rate in figures appears in pink colour and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as “0”. Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as “0” (ZERO).
12. SC/ST contractors enlisted under class V category are exempted from processing fee to ITI Limited.
13. Online bid documents shall be opened only of those bidders, whose Earnest Money Deposit, e-Bid Processing Fee and other documents are found in order.
14. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
15. The system of uploading the scanned documents for financial instrument such as Demand Draft or Pay Order or Banker’s Cheque or Deposit at call receipt or Fixed Deposit receipts and Bank Guarantee of any Scheduled Bank towards EMD in favour of respective Executive Engineer and processing fee in favour of ITI Limited is dispensed with immediate effect, since the available menu for financial instruments has been modified.
16. The intending bidder has to fill all the details of Demand Draft/Fixed Deposit Receipt/Pay Order/Bankers Cheque (banker’s name, amount, number and date) against bid processing fee.

**List of Documents to be scanned and uploaded within the period of bid submission:**

1. Receipt of deposition of EMD from the Executive Engineer inviting bids or from division office of any Executive Engineer, CCW, AIR.
2. Certificates of Work Experience issued by an officer of not below the rank of Executive Engineer/ project manager or equivalent/Credential & Enlistment order of contractor for agencies approved in appropriate list of C.P.W.D. / M.E.S. / B.S.N.L. / Railways and West Bengal State P.W.D. and specialized agencies/ firms working in the relevant field for similar work.
3. Certificate of Registration for Goods and Service Tax (GST) and acknowledgement of upto date return as per NIT stipulation. **(if the bidder has not obtained GST registration in the state in which the work is to be taken up, then in such a case the bidder shall upload following undertaking with the bid document “if work is awarded to me, I/we shall obtain GST registration certificate from the state where the work is to be carried out within one month from date of receipt of award letter or before payment of 1<sup>st</sup> R.A. bill.”)**
4. Any other Document as specified in the Press Notice.
5. Affidavit on non-judicial stamp paper of Rs. 100/- duly notarized as :-  
The certified copy of all the scanned and uploaded documents specified in the press tender notice shall be deposited by me/us with the Executive Engineer calling the tender in case I/We become the lowest tenderer with a week of the opening of the financial bid otherwise the department (CCW,AIR) may reject the Tender and take the action to Debar me/us from Tendering in CCW,AIR , for a period of three years and can write to the Competent Authority for cancellation of my/our enlistment (Original papers of the uploaded documents shall be shown for verification.

**17. NIT CONDITIONS:-**

- i. The GST has been implemented by the Government of India with effect from 1<sup>st</sup> July 2017. The rates quoted by the tenderer shall be firm and inclusive of all taxes including GST and nothing extra shall be payable.
- ii. Tenderer shall examine the various provisions of CGST Act, 2017, IGST Act, 2017/UGST Act 2017, SGST Act 2017 of the respective state and upto date amendments issued from time to time and other applicable taxes before bidding/tendering. The tenderer shall also confirm to the rules made under these Acts.
- iii. The tenderer shall ensure that benefit of input tax credit (ITC) likely to be availed by them is duly considered by them while quoting rates.
- iv. The contractor shall submit the invoice of the work executed as per Rule 46 of CGST rules. The taxes will be calculated as per Rule 35 of CGST Rules 2017.
- v. As contractor's rates are inclusive of all taxes, no reimbursement of any tax shall be made to the contractor. The clauses 37 of GCC of NIT/contract stands modified accordingly.
- vi. TDS on income tax, labour cess and other statutory deductions shall be made at source as per prevalent laws. TDS on GST as applicable will also be deducted as per relevant GST Act/rules/notification.

**Executive Engineer (Elect)**  
**C.C.W: A.I.R: Patna**

1. Item rate/~~percentage rate~~ tenders are invited on behalf of President of India from approved and eligible contractors of appropriate list of C.P.W.D./M.E.S. / B.S.N.L. /Railways /West Bengal State P.W.D. and specialized agencies/firms including working in the relevant field for the work -

**Name of Work:**

1. Replacement of old existing industrial type L.T. Panel and S.D.Bs etc. for All India Radio, Siliguri.
2. Replacement of the old existing piano type switch sockets with modular type switch & sockets, providing of ceiling fan / heavy duty exhaust fans, renovation of earthing system and service connection etc. for studio complex, All India Radio at Siliguri. SH:-I (Fans & Fittings.)
3. Replacement of the old existing aluminium wiring with copper wiring in the Studio cum Office block including the ancillary structure for All India Radio at Siliguri.

The enlistment of the contractors should be valid on the last date of submission of tenders.

In case the last date of submission of tender is extended, the enlistment of contractor should be valid on the original date of submission of tenders.

- 1.1 The work is estimated to cost **Rs. 20,60,365/-**. This estimate, however, is given merely as a rough guide.

**1.2.1 Conditions for CPWD / Non-CPWD contractors.**

Bidders will be eligible provided they produce definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority of magnitude specified below:

Should have satisfactorily completed similar works as mentioned below during the last seven years ending last day of the month preceding the month of opening of the tender. The work should have been done in some Central Govt./Central Autonomous body/ State Govt. / State Govt. Undertaking.

- (i) Three similar work each of value not less than 40 % of the estimated cost put to tender

Or

- (ii) Two similar work each of value not less than 60 % of the estimated cost put to tender

Or

- (iii) One similar work of value not less than 80 % of the estimated cost put to tender

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7 % per annum, calculated from the date of completion to the last date of receipt of application for tender.

Similar work shall mean work of “SITC of LT panel board, rewiring/IEI works etc.”

#### 1.2.2 Criteria of eligibility for CPWD as well as non-CPWD contractors.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at simple rate of 7 % per annum, calculated from the date of completion to the previous day of last date of submission of tender. **This is applicable for 1.2.1 as well 1.2.2.**

2. Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD 7/8 (or other Standard Form as mentioned) which is available as a Govt. of India Publication. Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **06 (Six) Months** from the date of start as defined in schedule ‘F’ or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
4. The site for the work is available.
5. The tender document consisting of plans, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents except Standard General Conditions of Contract Form can be seen from website [www.tenderwizard.com/AIR](http://www.tenderwizard.com/AIR) free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of tender as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of tender as notified.
8. When tenders are invited in two stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the tender submitted earlier shall become invalid.
9. Earnest Money **Rs. 41,207/-** in the form of Treasury Challan or Demand Draft or Pay order or Banker’s Cheque or Deposit at Call Receipt or fixed deposit receipt (drawn in favour of **Executive Engineer (E), Civil Construction Wing, All India Radio, Kolkata Payable at Patna** shall be scanned and uploaded to the e-tendering website within the period of bid submission.

A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs.20 lacs, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled bank having validity for 6 months or more from the last date of receipt of bids should be deposited either in the office of Executive Engineer inviting bids or division office of any Executive





The following affidavit shall also be uploaded by the intending bidders on non judicial stamp paper of Rs. 100/- duly notarized.

The certified copy of all the scanned and uploaded documents specified in the press tender notice shall be deposited by me/us with the Executive Engineer calling the tender in case I/We become the lowest tenderer with a week of the opening of the financial bid otherwise the department (CCW,AIR) may reject the Tender and take the action to Debar me/us from Tendering in CCW,AIR , for a period of three years and can write to the Competent Authority for cancellation of my/our enlistment (Original papers of the uploaded documents shall be shown for verification.

- 10 The “Eligibility documents” shall be opened first on due date and time as mentioned above.

The time and date of opening of financial bid of contractors fulfilling the eligibility criteria shall be communicated to them at a later date.

The eligibility document submitted shall be opened **at 12.30 Hrs. on 28.12.2018.**

- 11 The bid submitted shall become invalid if :

- (i) The bidder is found ineligible.
- (ii) The bidder does not upload all the documents (including Goods and service tax registration) as stipulated in the bid document including the receipt of deposition of EMD from the Executive Engineer inviting bids or from division office of any Executive Engineer, CCW, AIR.
- (iii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted **physically by the lowest bidder** in the office of tender opening authority.
- (iv) The lowest bidder does not deposit physical EMD within a week of opening of tender.
- (v) The contractor, whose tender is accepted, will be required to furnish performance guarantee of 5 % (Five Percent) of the bid amount within the period specified in Schedule F. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs. 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 of any scheduled bank (in case guarantee amount is less than Rs. 1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule ‘F’ including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited alongwith bid shall be returned after receiving the aforesaid performance guarantee.

The contractor whose bid accepted will also be required to furnish either copy of applicable licenses/registrations or proof of applying for obtaining labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including Provident Fund Code No. if applicable and also ensure the compliance of aforesaid provisions by the sub contractors, if any engaged by the contractor for the said work.

12. Intending Tenderers 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 is 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 tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & 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 tenderer 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 plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.
13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all the tenders received without the assignment of any reason. All tenders in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.
14. Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
16. The contractor shall not be permitted to tender for works in the C.C.W, A.I.R, Circle (Division in case of contractors of Horticulture/Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending 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 relatives to any gazetted officer in the Civil Construction Wing, All India Radio or in the Ministry of Information & B'casting. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

17. No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
18. The bid for the works shall remain open for acceptance for a period of ~~Ten/Fifteen/thirty/forty five/sixty~~ (10/15/30/45/60) days from the date of opening of bids ~~in case of single bid system/ sixty (60) days for the date of opening of technical bid in case bids are invited on 2 or 3 bid/envelop system (strike out as the case may be)~~. If any bidder withdraws his bid before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the bid which are not acceptable to the department, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50 % of the said earnest money as aforesaid. Further the bidders shall not be allowed to participate in the rebidding process of the work.
19. This notice inviting Tender shall form a part of the contract document. The successful tenderer/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 part of the tender as uploaded at the time of invitation of tender and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
  - b) Standard C.P.W.D. Form ~~7/8 or other Standard C.P.W.D. Form as mentioned~~
20. In case any discrepancy is noticed between the documents as uploaded at the time of submission of the bid online and hard copies as submitted physically in the office of Executive Engineer, then the bid submitted shall become invalid and the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50 % of the said earnest money as aforesaid. Further the tenderer shall not be allowed to participate in there tendering process of the work.
21. Tax applicable in respect of this contract shall be payable by the Contractor and Government will not entertain any claim whatsoever in respect of the same. However, "Deduction, if any, can be effected from bill as per GST Act 2017"

**Executive Engineer (E)**  
**C.C.W: A.I.R: Patna**

**PRASAR BHARATI  
CIVIL CONSTRUCTION WING : ALL INDIA RADIO**

STATE	:	West Bengal	CIRCLE	:	KOLKATA
BRANCH	:	E & M	DIVISION	:	PATNA
ZONE	:	EZ	SUB-DIVISION	:	SILIGURI

Item Rate Tender & Contract for Works

Tender for the work of:-

Name of Work:

1. Replacement of old existing industrial type L.T. Panel and S.D.Bs etc. For All India Radio, Siliguri.
2. Replacement of the old existing piano type switch sockets with modular type switch & sockets, providing of ceiling fan / heavy duty exhaust fans, renovation of earthing system and service connection etc. for studio complex, All India Radio at Siliguri. SH: I (Fans & Fittings.)
3. Replacement of the old existing aluminium wiring with copper wiring in the Studio cum Office block including the ancillary structure for All India Radio at Siliguri.

- (i) To be submitted by 23.59 Hrs. on 27.12.2018 to the **Executive Engineer (E), Civil Construction Wing, All India Radio, Doordarshan Kendra campus, Patna.**
- (ii) To be opened in presence of tenderers who may be present at 12.30 Hrs. on 28.12.2018 in the office of the **Executive Engineer (E), Civil Construction Wing, All India Radio, Doordarshan Doordarshan Kendra campus, Patna.**

Issued to : .....  
(Contractor)

Signature of officer issuing the documents .....  
Designation

**Executive Engineer (E)  
CCW, AIR, Patna**

Date of Issue .....

T E N D E R

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F, Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work. I/We hereby tender for the execution of the work specified for the President of India as per time schedule of mile stone(s) and within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all respects 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 contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for **60 (Sixty)** days from the due date of its opening/~~ninety~~ days from the date of opening of financial bid in case tenders are invited on 2/3 envelope system (Strike out as the case may be) and not to make any modifications in its terms and conditions.

A sum of Rs. .... is hereby forwarded in cash/receipt treasure Challan /deposit at call receipt of a scheduled bank/ fixed deposit receipt of scheduled bank/demand draft of a scheduled bank/~~bank guarantee~~ issued by 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 President of India 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 President of India 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, up to 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 Clause 12.2 and 12.3 of tender form. Further, I/we agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I/We shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar works (s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for tendering in CCW, AIR in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee”

I/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 safety of the state.

Dated

Signature of Contractor

Postal Address

Witness:  
Occupation:

Address:

**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 President of India for a sum of Rs. ....  
..... (Rupees .....  
.....)

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

i)

.....

ii)

iii)

For & on behalf of the President of India.

Signature.....

Designation .....

Dated.....

**SCHEDULES****SCHEDULE 'A'**

Schedule of quantities (Enclosed)(as per PWD-3) at page No. .... to .....

**SCHEDULE 'B'**

Schedule of materials to be issued to the contractor.

S.No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of Issue
1	2	3	4	5
-----NIL-----				

**SCHEDULE 'C'**

Tools and plants to be hired to the contractor.

Sl. No.	Description	Hire charges per day	Place of Issue
1	2	3	4
-----NIL-----			

**SCHEDULE 'D'**

Extra schedule for specific requirements/documents for the work, if any. NIL

**SCHEDULE 'E'**

Reference to General Conditions of contract.

**Name of Work:-**

- A. Replacement of old existing industrial type L.T. Panel and S.D.Bs etc. For All India Radio, Siliguri.
- B. Replacement of the old existing piano type switch sockets with modular type switch & sockets, providing of ceiling fan / heavy duty exhaust fans, renovation of earthing system and service connection etc. for studio complex, All India Radio at Siliguri. SH: I (Fans & Fittings.)
- C. Replacement of the old existing aluminium wiring with copper wiring in the Studio cum Office block including the ancillary structure for All India Radio at Siliguri.

Estimated cost of work: Rs. 20,60,365/-

Earnest money: Rs. 41,207/-

Performance Guarantee: 5 % of Tendered Value.

Security Deposit: 2.5 % of Tendered Value.

or

2.5 % of tendered value plus 50 % of PG for contracts involving maintenance of the building and services/other work after construction of same building and services/other work.



## SCHEDULE 'F'

## General Rules &amp; Directions:

Officer inviting tender

**Executive Engineer(E),**  
C.C.W : A.I.R : Patna

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3

see under Clause 12

Definitions:

2(v) Engineer-in-Charge

**Executive Engineer(E),**  
C.C.W : A.I.R : Patna

2(viii) Accepting Authority

**Executive Engineer(E),**  
C.C.W : A.I.R : Patna

2(x) Percentage on cost of materials and labour to cover all overheads and profits

15 %

2(xi) Standard schedule of Rates

DSR 2018 &amp; MR

2(xii) Department

Prasar Bharati, C.C.W, A.I.R.

9(ii) Standard CPWD contract form

CPWD 8 Form modified  
corrected upto date.

Clause 1

i) Time allowed for Submission of performance guarantee from the date of issue of letter of acceptance

15 Days.

ii) Maximum allowable extension with Late fee @ 1 % per day of performance Guarantee amount beyond the period as provided in (i) above.

07 Days.

Clause 2

Authority for fixing compensation under clause 2.

**Superintending Engineer (E),**  
C.C.W : A.I.R : Kolkata

Clause

2A Whether clause 2A shall be applicable

No

Clause 5

Number of days from the date of issue of letter of acceptance for reckoning date of start

.....22 Days.....

Mile stone (s) as per table given below:-

TABLE OF MILE STONE(S)

S.LNO.	DESCRIPTION OF MILESTONE (PHYSICAL)	TIME ALLOWED IN DAYS (FROM THE DATE OF START)	AMOUNT TO BE WITHHELD IN CASE OF NON-ACHIEVEMENT OF MILESTONE.
----- NA -----			

Time allowed for execution of work :

04 (Four) Months.

Authority to Decide:

Extension of time

**Executive Engineer (E),**

C.C.W : A.I.R : Patna

Rescheduling of mile stones

NA

**Clause 6, 6A**

Clause applicable – (6 or 6A)

Clause 6

**Clause 7**

Gross 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.

**Clause 10A**

List of testing equipment to be Provided by the contractor at site lab

1. Megger

2. Continuity tester

3. Digital Multimeter

4. Earth tester

**Clause10B**

N.A.

**Clause 10C**

Component of labour expressed as percent of value of work

95 %

<b>Clause 10CA</b>	Whether clause 10CA shall be Applicable.	No
Materials covered under this clause	Nearest material for which All India Wholesale Price Index is to be followed	Base price of all material covered under Clause 10 CA
-----Nil-----	-----Nil-----	-----Nil-----
<b>Clause 10CC</b>	Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column :	18 Months (Eighteen Months)
<b>Clause 11</b>		The work shall be executed as per CPWD General Specifications for Electrical Works Part – I, II(Ext.) & IV (SUB - STATIONS) 2013 as amended upto date, relevant I.E. Rules, BIS/IEC and as per direction of Engineer-in-charge.
<b>Clause 12</b>		
12.2 & 12.3	Deviation limit beyond which clauses 12.2 & 12.3 shall apply for electrical work.	30 % on individual items
12.5	Deviation limit beyond which clauses 12.2 and 12.3 shall apply for foundation work.	100%
<b>Clause 16</b>	Competent Authority for deciding reduced rates.	<b>Superintending Engineer (E),</b> C.C.W : A.I.R : Kolkata
<b>Clause 18</b>	List of mandatory machinery, tools & plants to be deployed by the contractor at site.	As required for timely execution of work

**Clause 36 (i) Requirement of Technical Representative (S) and Recovery Rate.**

SL. No	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical / Technical representative)	Minimum experience (years)	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)	
						Figures	Words.
1.	Graduate Engineer or Diploma Engineer	Electrical/ Mechanical	Project manager cum planning/quality /site/billing Engineer	2 Or 5 respectively	1	Rs. 15000/- per month per person	Rupees Fifteen thousand only

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

**Executive Engineer (Elect),  
C.C.W: A.I.R: Patna**

## **COMMERCIAL AND ADDITIONAL CONDITIONS**

### **1.0 GENERAL**

- 1.1 This specification covers manufacture, testing of LT panel as may be necessary before despatch, delivery at site, all preparatory work for replacement of existing LT panel in a working installation, replacing of the old existing aluminium wiring by copper wiring, Replacing of the old existing piano type switch sockets by modular type switches & sockets, providing of ceiling fans, heavy duty exhaust fans, renovation of earthing system and service connection etc.
- 1.2 Location: All India radio, Siliguri.
- 1.3 The work shall be executed as per CPWD General Specification for Electrical Works Part-I, II & IV as amended up to date, relevant I.E. Rules, BIS/IEC and as per direction of Engineer-in-charge. These additional specifications/conditions are to be read in conjunction with above and in case of variations; specifications given in these additional conditions shall apply. However, nothing extra shall be paid on account of these additional specifications and conditions, as the same are to be read along with schedule of quantities for the work.
- 1.4 The tenderer should in his own interest visit the site and get familiarize with the site conditions before tendering.
- 1.5 No T&P shall be issued by the Department and nothing extra shall be paid on account of this.

### **2.0 COMMERCIAL CONDITIONS**

- 2.1 Type of Contract: The work be awarded by this tender shall be treated as indivisible works contract.
- 2.2 Submission and Opening of Tenders:
- 2.2.1 The tender is in two parts:  
Step-I: Pre-qualification of agencies &  
Step-II: Price bid
- 2.2.2 The tenderers are advised not to deviate from the technical specifications/items, commercial terms and conditions of NIT, like terms of payment, guarantee, arbitration clause, escalation etc.
- 2.2.3 Scrutiny/ evaluation of the Eligibility documents of agencies shall be done by the department. In case it is found that Eligibility document (Pre-qualification application) of a tenderer is not in line with NIT /requirements, the department reserves the right to reject the application of such firm(s) without making any reference to the tenderer(s).

- 2.2.4 Necessary clarifications required by the department shall have to be furnished by the tenderer within the time given by the department for the same. The tenderer will have to depute his representative to discuss with the officer(s) of the department as and when so desired. In case, in the opinion of the department a tenderer is taking undue long time in furnishing the desired clarifications his bid will be rejected without making any reference.
- 2.2.5 After approval on pre-qualification applications by competent authority, the department will intimate the tenderers whose Price bids are acceptable.
- 2.2.6 The price bids of only those tenderers shall be opened whose pre-qualification application has been accepted by competent authority. The time and date of opening of price bid shall be fixed after the pre-qualification application is accepted and intimated to them by post / fax / e-mail/phone.
- 2.2.7 The department reserves the right to reject any or all the price bids and call for fresh price bids / tenders as the case may be without assigning any reason.
- 2.2.8 The price part of the tender shall be indicated only in the tender schedule of work.

### 3.0 **RATES**

The work shall be treated as on works contract basis and the rate quoted by the tenderer shall be firm and inclusive of GST and all charges for packing forwarding, insurance, freight and delivery, installation, testing, commissioning etc. at site i/c temporary constructional storage, risks, over head charges general liabilities/obligations and clearance from local authorities. However, the fee for these inspections shall be borne by the department.

- 3.1 Income Tax, GST, TDS on GST, labour cess & other statutory deduction etc. shall be deducted at source as per prevalent laws. The deductions of security deposit, income- tax, Goods and Service tax etc. shall be done as per provisions.
- 3.2 Following modifications are made in CPWD GCC 2014 -- 7/8 to cater to Goods and Service Tax regime and shall be applicable with immediate effect. The modification in Clause 38 in respect of Building and other Construction Workers Welfare Cess shall apply only where the cess is to be deposited by the contractor and is to be reimbursed.

Sl. No.	Existing Provisions	Modified Provisions
1.	<b>CONDITIONS OF CONTRACT</b> No Provision	<b>CONDITIONS OF CONTRACT</b> 2(xvi) GST shall mean Goods and Service Tax – Central, State and Inter State.
2.	<b>CPWD – 6</b> <b>General Rules &amp; Directions</b> 15. Sales-tax/VAT ( except service tax), purchase tax, turnover tax or any other tax applicable in respect of this	<b>CPWD – 6</b> <b>General Rules &amp; Directions</b> 15. <b>GST</b> or any other tax applicable in respect of <b>inputs procured by the contractor for</b> this contract shall be payable by the

	<p>contract shall be payable by the contractor and Government will not entertain any claim whatsoever in respect of the same. However, in respect of service tax same shall be paid by the contractor to the concerned department on demand and it will be reimbursed to him by the Engineer-in-Charge after satisfying that it has been actually and genuinely paid by the contractor.</p>	<p>contractor and Government will not entertain any claim whatsoever in respect of the same. However, <b>Component of GST at time of supply of service ( as provided in CGST Act 2017) provided by the contract shall be varied if different from that applicable on the last date of receipt of tender including extension if any.</b></p>
3	<p><b>CLAUSE 37</b>  (i) Sales Tax/VAT (except Service Tax), Building and other Construction Workers Cess or any other tax or Cess in respect of this contract shall be payable by the contractor and Government shall not entertain any claim whatsoever in this respect. However, in respect of service tax, same shall be paid by the contractor to the concerned department on demand and it will be reimbursed to him by the Engineer-in-Charge after satisfying that it has been actually and genuinely paid by the contractor.</p>	<p><b>CLAUSE 37</b>  (i) <b>GST</b>, Building and other Construction Workers <b>Welfare Cess</b> or any other <b>tax, levy</b> or Cess in respect of <b>input for or output by</b> this contract shall be payable by the contractor and Government shall not entertain any claim whatsoever in this respect <b>except as provided under Clause 38</b></p>
4	<p><b>CLAUSE 38</b>  (i) All tendered rates shall be inclusive of all taxes and levies (except Service Tax) payable under respective statutes. However, if any further tax or levy or cess is imposed by Statute, after the last stipulated date for the receipt of tender including extensions if any and the contractor thereupon necessarily and properly pays such taxes/levies/cess, the amount so paid, provided such payments, if any, is not, in the opinion of the Superintending Engineer whose decision shall be final and binding on the contractor) attributable to delay in execution of work within the control of the contractor.</p>	<p><b>CLAUSE 38</b>  (ii) All tendered rates shall be inclusive of any tax, levy or cess applicable on last stipulated date of receipt of tender including extension if any. No adjustment i.e. increase or decrease shall be made for any variation in the rate of GST, Building and other Construction Workers Welfare cess or any tax, levy or cess applicable on inputs. However, effect of variation in rates of GST or Building and other Construction Workers Welfare Cess or imposition or repeal of any other tax, levy or Cess applicable on output of the works contract shall be adjusted on side, increase or decrease. Provided for building and other Construction Workers Welfare Cess or any tax (other than GST), levy of cess varied or imposed after the last date of receipt of tender including extension if any, any increase shall be reimbursed to the</p>

		contractor only if the contractor necessarily and properly pays such increased amount of taxes/levies/cess. Provided further that such adjustment including GST shall not be made in the extended period of contract for which the contractor alone is responsible for delay as determined by authority for extension of time under Clause 5 in Schedule F.
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#### 4.0 **CARE OF THE BUILDING**

Care shall be taken by the contractor while handling and installing the various equipments and components of the work to avoid damage to the building. He shall be responsible for repairing all damages and restoring the same to their original finish at his cost. He shall also remove at his cost all unwanted and waste materials arising out of the installation from the site of work.

#### 5.0 **ACCEPTABLE MAKES OF VARIOUS EQUIPMENTS**

The acceptable makes of various equipment/ components/accessories have been indicated in “Recommended makes of materials” at page No. .... The tenderer shall work out the cost of the offer on this basis.

#### 5.1 **Use of Quality materials**

Only quality materials of reputed make as specified in the tender shall be used in work.

#### 5.2 **Fabrication in reputed Workshop**

Switch board and LT panels shall be fabricated in factory/workshop having modern facilities like quality fabrication, seven tank process, powder /epoxy paint plant, proper testing facilities, manned by qualified technical personnel.

Followings are the approved list of fabricator for fabrication of Switch board and LT panels. However the successful tenderer may opt for other fabricator for fabrication of Switch board and LT panels meeting the requirements of sl. no. 13.1 above, subject to approval of Engineer- in – charge.

- i) SUNNY Equipment Manufacturing Company,  
Mohan Ghosh Road, P.O. Narendrapur,  
Kolkata – 700103
- ii) Adroit Power Equipment Private Limited  
Gujrat Mansiion, 14, Bentinck Street,  
Room no. 16(1<sup>st</sup>. Floor), Kolkata – 700 001
- iii) J.D Electrical Products Pvt. Ltd.  
Samali Bakrahat Road, P.O. Nahazari,  
Kolkata – 700 104
- iv) Dynamic Control,  
7, Mangoe Lane, Dalhousie, Gr. Floor, Room no. 7B,  
Kolkata – 700001
- v) MANUFACTURING & SERVICING  
Iskcin Road, Near Himalayan English School,  
Siliguri- 737001.





- vi) DEEPAK ELECRICAL WORKS  
Iskcon Mandir Road,  
Siliguri-734001
- vii) SHARMA ELECRICAL IRON WORKS  
Iskcon Road, Siliguri-734001
- viii) Shila electrical Works  
Iskcon Road, Siliguri-734001

## 6.0 **After Award of Work**

The successful tenderer would be required to submit the following drawings within 15 days of award of work for approval before commencement of installation.

- (a) General arrangement drawing of the equipments like LT panels.
- (b) Any other drawings necessary for the job.

## 7.0 **EXTENT OF WORK**

7.1 The work shall comprise of entire labour including supervision and all materials necessary to make a complete installation and such tests and commissioning as may be required by the department and in a working installation/running station. The term complete installation shall not only mean major items of the plant and equipments covered by the specifications but all incidental sundry components necessary for complete execution and satisfactory performance of installation.

7.2 In addition to supply, installation, testing and commissioning of LT panel, following works shall be deemed to be included within the scope of work to be executed by the tenderer as this is a trunkkey job:  
Minor building works necessary for installation of equipments, foundation, making of opening in walls or in floors and restoring them to their original condition / finish and necessary grouting etc. as required.

## 8.0 **EXCLUSION AND WORK TO BE DONE BY OTHER AGENCIES**

Major dismantling of any existing building work.

## 9.0 **INSPECTION AND TESTING**

9.1 All major equipments i.e. LT panel etc. shall be offered for initial inspection at manufacturer's works. The contractor will intimate the date of testing of equipments at the manufacturer's works before dispatch. The successful tenderer shall give advance notice of minimum two weeks regarding the date proposed for such tests to the department's representative to facilitate his presence during testing. The Engineer-in-charge may witness such testing. The cost of the Engineer's visit to the factory will be borne by the department. Equipments will be inspected at the manufacturer/fabricator's premises before dispatch to the site by the contractor if so desired by the Engineer-in-charge.

9.2 After completion of the work in all respect, the contractor shall offer the installation for testing and operation.

**10.0 VALIDITY**

Tenders shall be valid for acceptance for a period of **60 (sixty)** days from the date of opening.

**11.0 COMPLIANCE WITH REGULATIONS AND INDIAN STANDARDS**

All works shall be carried out in accordance with relevant regulation both statutory and those specified by the Indian Standards related to the works covered by this specification. In particular, the equipment and installation will comply with the following:

- (i) Factories Act.
- (ii) Indian Electricity Rules.
- (iii) B.I.S. & other standards as applicable.
- (iv) Workmen's Compensation Act.
- (v) Statutory norms prescribed by local bodies like CEA, Power Supply Co., etc.

**12.0 INDEMNITY**

The successful tenderer shall at all times indemnify the department, consequent on this works contract. The successful tenderer shall be liable, in accordance with the Indian Law and Regulations for any accident occurring due to any cause and the contractor shall be responsible for any accident or damage incurred or claims arising there from during the period of erection, construction and putting into operation the equipments and ancillary equipments under the supervision of the successful tenderer in so far as the latter is responsible. The successful tenderer shall also provide all insurance including third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful tenderer on account of the above.

**13.0 ERECTION TOOLS**

No tools and tackles either for unloading or for shifting the equipments for erection purposes would be made available by the department. The successful tenderer shall make his own arrangement for all these facilities.

**14.0 COOPERATION WITH DEPARTMENT**

The work shall be carried out with least disturbance during replacement of LT panels, rewiring & shut down taken in consultation with the Station authority, Siliguri.

**15.0 MOBILIZATION ADVANCE**

No mobilization advance shall be paid for this work.

**16.0 VERIFICATION OF CORRECTNESS OF EQUIPMENT AT DESTINATION**

The contractor shall have to produce all the relevant records to certify that the genuine equipments from the manufacturers has been supplied and erected.

**Executive Engineer (E)  
CCW: AIR: PATNA**

## **TERMINATION OF CONTRACT ON DEATH**

Without prejudice to any of the rights or remedies under this contract if the contractor dies the Divisional Officer on behalf of the President of India shall have the option of terminating the contract without compensation to the contractor.

Whenever any claim, against the contractor from the payment of sum money arises out or under the contractor, Government shall be entitled to recover such by appropriating. In part or whole, the security deposit of the contractor and he shall any Government promise notes etc. forming the whole or part of such security. In the event of the security being insufficient or if no sum recoverable as the case may be shall be deducted from any sum then due which at any time where after may become due from the contractor under this or any other contract with Government should this sum be not sufficient to cover the full amount recoverable the contractor shall be to Government on demand the balance remaining due.

Government shall have the right to cause any audit and technical examination of the works and the bill of the contractor including all supporting vouchers, abstracts etc. to be made after payment of the final bill and if as a result of such audit and technical examination any sum is found to have been overpaid in respect of any work done by him under contract and found not to have been executed the contractor shall be liable to refund the amount cover the same from him the manner prescribed in sub-clause(1)of this clause or in any manner legally permissible and if as result of audit and technical examination it is found that the contractor was paid less than that was due to him under if the amount of such under payment shall be fully paid by the Government to the contractor.

Provided the Government shall not entitled to recover any such overpaid, nor the contractor shall be entitled to payment of any such paid short where as payment has been agreed upon between the Superintending Engineer or Executive Engineer on the one hand and the contractor on the other hand any term of the contract permitting payment of work after assessment by the Superintending Engineer or the Executive Engineer.

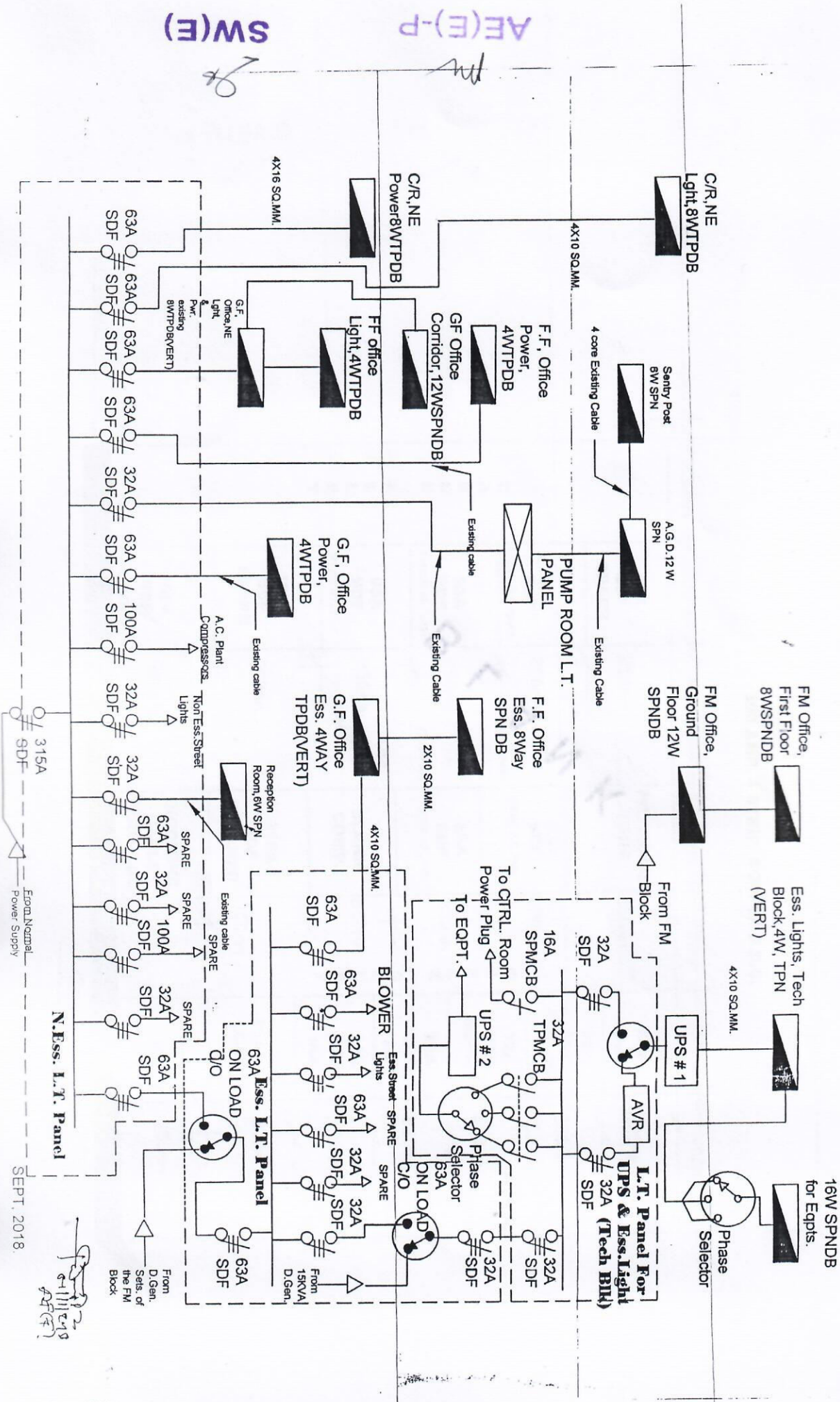
**Executive Engineer (E)**  
**CCW AIR Patna**

**RECOMENDED MAKES OF MATERIALS**

<b>Sl. no.</b>	<b>Description of material with Specification</b>	<b>Make</b>
1	SDFUs/ FSUs	L&T/C&S/ Havells
2	DBs and MCBs	Legrand/L&T/C&S/Havells/ Anchor Panasonic
3	FRLS PVC insulated single core copper conductor cable	Finolex/Havells /RR Kable
4	Meters	Secure / L&T / Schneider / Siemens
5	11 KV grade insulation mat	Sintex/other superior approved make
6	GI box for modular switches, modular switch, socket and other accessories, cover plates	Anchor Panasonic/ Legrand (Myrius)/ Hager (Insysta)
7	Celling/exhaust fan BEE certified	Panasonic/ Usha/ Havell's/ Crompton
8	LED fitting	Phillips/ Jaquar/ Crompton
9	GI pipe	TATA/Jindal/Bansal
10	PVC pipe and accessories (ISI marked)	Precession/AKG
11	MS conduit and accessories (ISI marked)	BEC/ AKG
13	XLPE insulated armored aluminium conductor cable of 1100 Volt grade as per IS 7098(Part –I)	Polycab/ V-Guard/ Finolex/ Havells

**Executive Engineer (E)**  
**CCW: AIR: PATNA**

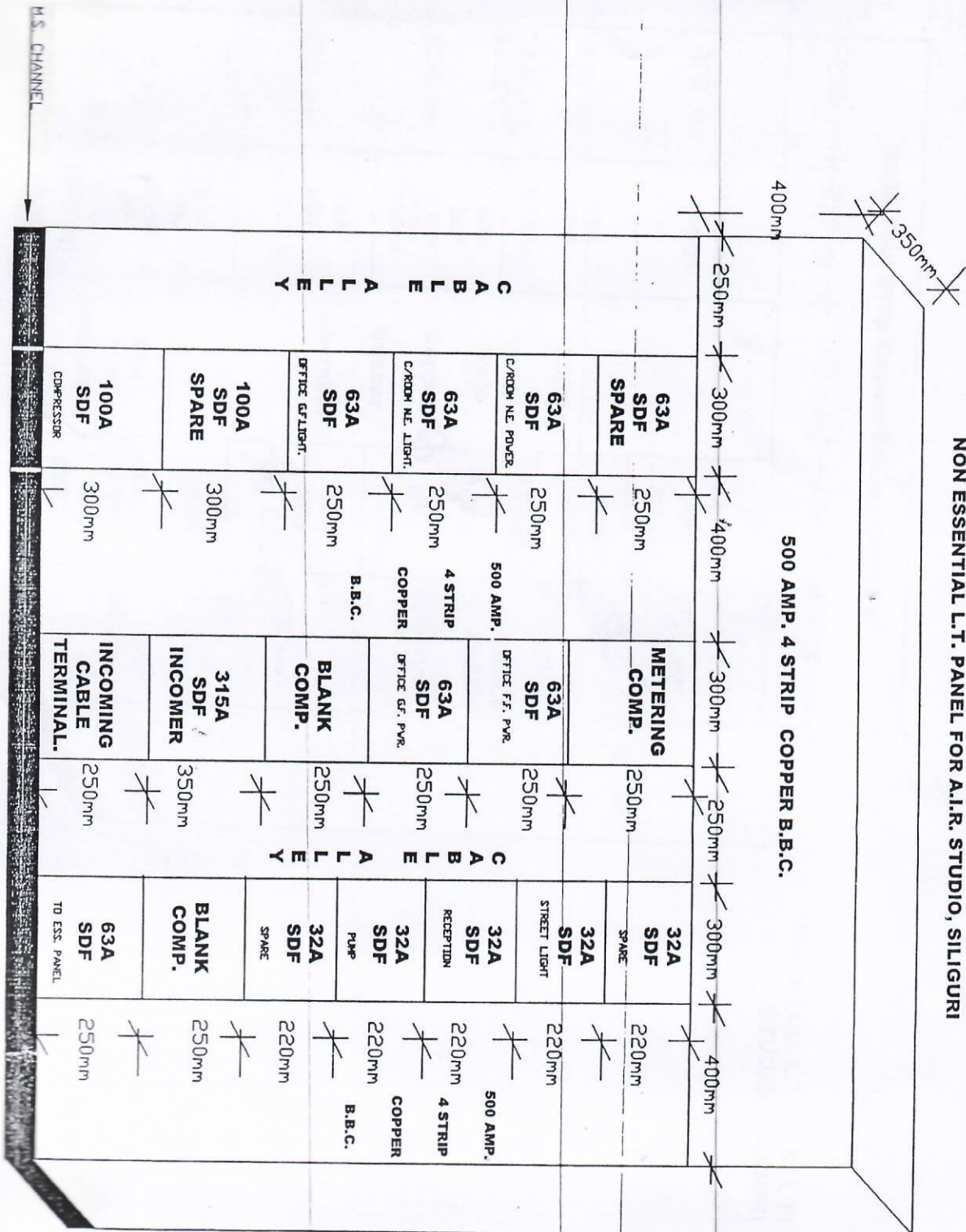
OFFICE OF THE ASSISTANT ENGINEER(E), C.C.W, ALL INDIA RADIO, SILIGURI



AE(E)-P  
SW(E)

SEPT. 2018  
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**OFFICE OF THE ASSISTANT ENGINEER (E), CCW, A.I.R, SILIGURI**  
**NON ESSENTIAL L.T. PANEL FOR A.I.R. STUDIO, SILIGURI**



AE(E)-P

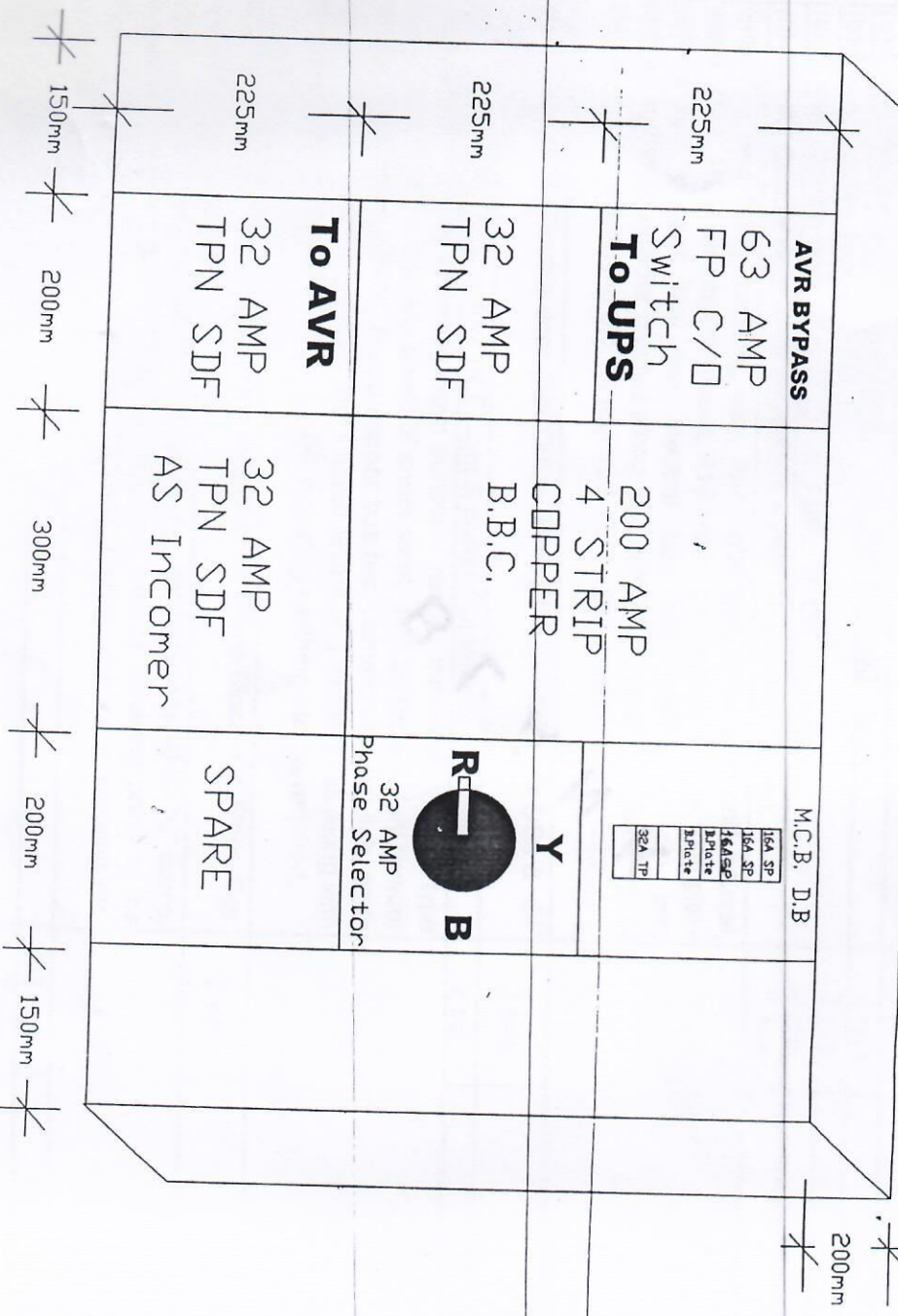
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**PANEL FOR AVR BYPASS ARRANGEMENT**  
**REF: LETTER NO. AIR/SIL/DDGE/623. DATED: 03.08.2018.**



AE(E)-P  
 SW(E)

*[Signature]*  
 11/11/18  
 P. P. P.

# SCHEDULE OF QUANTITY

**Name of Work : - Replacement of old existing industrial type L.T. Panel and S.D.Bs etc. For All India Radio, Siliguri.**

**NAME OF THE FIRM**

S.No.	Description of Items	QTY	Unit	Rate in figures	Rate in words	Amount
1	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted along with wire loop box for the full width of the DB including earthing etc. as required. (But without MCB/RCCB/Isolator)					
a	6 way, Double door (Sentry post x1 no, Reception x1 no).	2	Each			0.00
b	8 way, Double door. (FF FM, FF O/B ).	2	Each			0.00
c	12 way, Double door. (For AGD, GF FM & GF O/B Corridor).	3	Each			0.00
d	16 way, Double door. (For equipment points DB in control room).	1	Each			0.00
2	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted along with wire loop box for the full width of the DB including earthing etc. as required. (But without MCB/RCCB/Isolator)					

S.No.	Description of Items		QTY	Unit	Rate in figures	Rate in words	Amount
3	a	4 way Double door (For Office Block FF Light & Power DBs & GF Power DB)	3	Each			0.00
	b	8 way Double door (N.E. light & power Control Room)	2	Each			0.00
	Supplying and fixing following ways surface / recess mounting, vertical type 415V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200A, tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as along with wire loop box for the full width of the DB including earthing etc. as required.						
	a	4 way Double door (For Ess. Lights in Office Block- Gr. Floor, Ess. Light in Control Room.)	2	Each			0.00
4	Supplying and fixing 6 amps to 32 amps rating, 240/415 volts, "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.						
	a	Single pole	132	Each			0.00
	b	Double pole.	7	Each			0.00
5	Supplying and fixing following rating, four pole, 415 volts, MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required.						
	a	40Amp.(GF office Ess DB, FF office Light DB, Ess Light DB C/R)	3	Each			0.00

S.No.	Description of Items		QTY	Unit	Rate in figures	Rate in words	Amount
6	b	63Amp.(C/R NE light & Power, O/B FF Power.)	3	Each			0.00
		Supplying & fixing of single pole blanking plates in the existing MCB DBs etc. as required.	10	Each			0.00
7		Shifting & re-routing of the existing recessed steel conduits for one no. 4 way TPN & one no. 8 way TPN MCB DBs from their current position on the wall to the adjacent wall ,within a lead of 2 mtrs(max) including cutting the wall and making good the same etc. and installation of one no. existing 8 way TPN MCB DB on the wall on surface/recess i/c making connections etc. complete as required.	1	Job			0.00
8	Supplying, installation, testing & commissioning of cubical type LT panel board suitable for 415 V, 3 phase 4 wire 50 Hz AC supply system conforming to CPWD general specifications for electrical work (Part-IV, Sub-station) having size of 2200 mm x 2000 mm x 350 mm (approx.) fabricated in compartmentalized design from CRCA sheet steel of 2 mm thick for frame work and covers i/c cleaning and finishing complete with powder coating having 500 amps capacity extensible type copper busbars of high conductivity, DMC/SMC bus bar supports, bottom base channel of MS section of size 40 mm x 75 mm x 40 mm x 3 mm thick, fabrication shall be done in transportable sections, entire panel shall have a common copper earth bar two nos.of size 20 x 5 mm copper protection earth strips laid internally throughout the body connected to 2 nos incoming earth strips,copper busbar connecting clamps for outgoing wires and providing of 4 way connector studs of suitable rating for cable termination etc. as required and control with suitable size FRLS PVC insulated copper wires alongwith danger notice plate etc as required (Non-Essential Panel) i/c providing of the following switchgears:-						
<b>Incoming :-</b>							
a	315 Amp TPN SDFU similar to L&T's Cat no. SK95461 complete with 3 nos 315 Amp HRC fuses.		01 no.				
<b>Outgoing :-</b>							
a	100 Amp TPN switch disconnecter fuse units similar to L&T's Cat no. SK95568 with 3 nos. 100 A HRC fuses.		2 nos.				
b	63 Amp TPN switch disconnecter fuse units similar to L&T's Cat no. SK95421 with 3 nos. 63 A HRC fuses.		7 nos.				
c	32 Amp TPN switch disconnecter fuse units similar to L&T's Cat no. SK95518 with 3 nos. 32 A HRC fuses.		5 nos.				
d	3 nos LED type pilot lamp sets(L&T /similar superior approved make) alongwith 3 sets toggle switches & sliding type fuses etc.						

S.No.	Description of Items		QTY	Unit	Rate in figures	Rate in words	Amount
	e	LED Multifunction Meter having facility to measure voltage, current, Frequency, Power factor, Load, Energy consumed etc. (similar to L&T's Cat no. WL4405100000 ) complete with C.T.s of suitable rating.	1 set.				
	f	Pilot lamps with toggle switch.	1 set.				
	g	Danger notice plate.	1 no.	1	Job		0.00
9	<p>Supplying, installation, testing &amp; commissioning of cubical type LT panel board suitable for 415 V, 3 phase 4 wire 50 Hz AC supply system conforming to CPWD, general specifications for electrical work (Part-IV, Sub-station) having size of 1300 mm x 1650 mm x 300 mm (approx.) fabricated in compartmentalized design from CRCA sheet steel of 2 mm thick fro frame work and covers i/c cleaning and finishing complete with powder coating having 200 amps capacity extensible type copper busbars of high conductivity, DMC/SMC bus bar supports, bottom base channel of MS section of size 40 mm x 75 mm x 40 mm x 3 mm thick, fabrication shall be done in transportable sections, entire panel shall have a common copper earth bar two nos.of size 20 x 3 mm copper protection earth strips laid internally throughout the body connected to 2 nos incoming earth strips,copper busbar connecting clamps for outgoing wires and providing of 4 way connector studs of suitable rating for cable termination etc. as required and control with suitable sized FRLS PVC insulated copper wires alongwith danger notice plate etc as required (Essential Panel) i/c providing of the following switchgears:-</p> <p><b>Incoming :-</b></p> <p>a 63 Amp TPN SDFU similar to L&amp;T FN 63 TPN Cat no. SK95421 with 3 nos. 63 A HRC fuses. 01 no.</p> <p><b>Outgoing :-</b></p> <p>a 63 Amp TPN SDFU similar to L&amp;T FN 63 TPN Cat no. SK95421 with 3 nos. 63 A HRC fuses. 03 nos.</p> <p>b 32 Amp TPN SDFU similar to L&amp;T FN 32 TPN Cat no.SK95518 with 3 nos. 32 A HRC fuses. 04 nos.</p> <p>c 3 nos LED type pilot lamp sets (similar to L&amp;T make) alongwith 3 nos. toggle switches &amp; bakellite kit-kats etc.</p> <p>d 63 A Change over switch.L&amp;T Cat no. CO106300000 02 nos.</p> <p>e LED Multifunction Meter having facility to measure voltage, current, Frequency, Power factor, Load, Energy consumed etc. (L&amp;T Cat no. WL4405100000 ) with suitable C.T.s etc. 1 set.</p> <p>f Pilot lampset with toggle switch. 1 set.</p>						
	a	63 Amp TPN SDFU similar to L&T FN 63 TPN Cat no. SK95421 with 3 nos. 63 A HRC fuses.	01 no.				
	a	63 Amp TPN SDFU similar to L&T FN 63 TPN Cat no. SK95421 with 3 nos. 63 A HRC fuses.	03 nos.				
	b	32 Amp TPN SDFU similar to L&T FN 32 TPN Cat no.SK95518 with 3 nos. 32 A HRC fuses.	04 nos.				
	c	3 nos LED type pilot lamp sets (similar to L&T make) alongwith 3 nos. toggle switches & bakellite kit-kats etc.					
	d	63 A Change over switch.L&T Cat no. CO106300000	02 nos.				
	e	LED Multifunction Meter having facility to measure voltage, current, Frequency, Power factor, Load, Energy consumed etc. (L&T Cat no. WL4405100000 ) with suitable C.T.s etc.	1 set.				
	f	Pilot lampset with toggle switch.	1 set.				

S.No.	Description of Items			QTY	Unit	Rate in figures	Rate in words	Amount
	g	Danger notice plate.	1 no.	1	Job			0.00
10	<p>Supplying, installation, testing &amp; commissioning of cubical type LT panel board suitable for 415 V, 3 phase 4 wire 50 Hz AC supply system conforming to CPWD, general specifications for electrical work (Part-IV, Sub-station) having size of 1000 mm x 875 mm x 200 mm (approx.) fabricated in compartmentalized design from CRCA sheet steel of 2 mm thick fro frame work and covers i/c cleaning and finishing complete with powder coating having 200 amps capacity extensible type copper busbars of high conductivity, DMC/SMC bus bar supports, bottom base channel of MS section of size 40 mm x 75 mm x 40 mm x 3 mm thick, fabrication shall be done in transportable sections, entire panel shall have a common copper earth bar two nos.of size 20 x 3 mm copper protection earth strips laid internally throughout the body connected to 2 nos incoming earth strips,copper busbar connecting clamps for outgoing wires and providing of 4 way connector studs of suitable rating for cable termination etc. as required and control with suitable sized FRLS PVC insulated copper wires alongwith danger notice plate etc as required.(To be located near UPS in service room.)</p>							
<b>Incoming :-</b>								
a	32 Amp TPN switch disconnecter fuse units similar to L&T Cat no. SK95518 with 3 nos. 32 A HRC fuses.		01 no.					
<b>Outgoing :-</b>								
a	32 Amp switch disconnecter fuse units similar to L&T Cat no. SK95518 with 3 nos. 32 A HRC fuses.		02 nos.					
b	40A, 1 pole, 3 way phase selector switch with OFF position (similar to L&T)		01 no.					
c	63 A Change over switch similar to L&T Cat no. CO106300000		01 no.					
d	16 Amp SPMCB		03 nos.					
e	32 Amp TPMCB		01 no.					
f	Pilot lampset with toggle switch.		1 set.					
	g	Danger notice plate.	1 no.	1	Job			0.00
11	<p>Supplying and fixing of 40 A ,1P, 3W with OFF position phase changeover rotary switch including providing and fixing of dust and vermin proof metal enclosure of size 200 mm x 200 mm x100 mm deep with hinged type cover and locking arrangement duly painted with powder coating including interconnection, testing and commissioning etc. as required. (To be provided in Control Room).</p>			1	Each			0.00



# SCHEDULE OF QUANTITY

**Name of Work : - Replacement of the old existing piano type switch sockets with modular type switch & sockets, providing of ceiling fan / heavy duty exhaust fans, renovation of earthing system and service connection etc. for studio complex, All India Radio at Siliguri.**

**NAME OF THE FIRM**

S.No.	Description of Items	QTY	Unit	Rate in figures	Rate in words	Amount
<b>S. H. - I (Fans and Fitting)</b>						
1	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
a	5/6 amps switch	338	Each		#NAME?	0.00
b	15/16 amps switch	16	Each		#NAME?	0.00
c	3 pin 5/6 amp socket outlet	14	Each		#NAME?	0.00
d	3 pin 15/16 amp socket outlet	16	Each		#NAME?	0.00
e	Telephone socket outlet	9	Each		#NAME?	0.00



S.No.	Description of Items		QTY	Unit	Rate in figures	Rate in words	Amount
2	f	TV antenna socket outlet	2	Each		#NAME?	0.00
	g	Bell push.	34	Each		#NAME?	0.00
	h	10/25A Socket. (for Split type AC.)	17	Each		#NAME?	0.00
	Supplying and fixing 2 module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.		51	Each		#NAME?	0.00
3	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.		88	Each		#NAME?	0.00
4	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.						
	a	1 or 2 Module (75mm x 75mm).	119	Each		#NAME?	0.00
	b	3 Module (100mm x 75mm)	23	Each		#NAME?	0.00
	c	4 Module (125mm x 75mm)	31	Each		#NAME?	0.00
	d	6 Module (200mm x 75mm)	21	Each		#NAME?	0.00

S.No.	Description of Items		QTY	Unit	Rate in figures	Rate in words	Amount
5	e	8 Module (125mm x125mm)	4	Each		#NAME?	0.00
	f	12 Module (200mm x150mm)	3	Each		#NAME?	0.00
	Supplying and fixing following modular base and cover plate on the existing modular metal boxes etc. as required.						
	a	1 or 2 Module.	13	Each		#NAME?	0.00
	b	3 Module.	22	Each		#NAME?	0.00
	c	4 Module.	1	Each		#NAME?	0.00
6	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required. (For light plugs to be used in non residential buildings).		67	Each		#NAME?	0.00
7	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.		65	Each		#NAME?	0.00
8	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 Nos. 3 pin 5/6 A modular socket outlet and 2 Nos. 5/6 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings).		3	Each		#NAME?	0.00
9	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 25 Amp modular starter ( Similar to Havells crabtree, Athena cat no. ACASMXW251 ) including connection, testing and commissioning etc. as required.		17	Each		#NAME?	0.00

S.No.	Description of Items	QTY	Unit	Rate in figures	Rate in words	Amount
10	Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.	34	Each		#NAME?	0.00
11	Supplying and fixing brass batten/ angle holder including connection etc. as required.	15	Each		#NAME?	0.00
12	Supplying and fixing call bell / buzzer suitable for D.C. / A.C. single phase, 230 volts, complete as required.	34	Each		#NAME?	0.00
13	Providing and fixing plain 16/0.20mm (0.50sqmm) twin flexible, FRLS PVC insulated, copper cable, in PVC sleeve of suitable size on the floor/ wall, or side of the table/ door etc. as required.	100	Metre		#NAME?	0.00
14	Providing of hanging bell push switch to be provided near the table including connection etc. as required.	34	Each		#NAME?	0.00
15	Dismantling of all existing MS switch boards including 6A/ 16A plug points 160nos.(approx) of the internal E.I. consisting of light/fan/exhaust fan/call bell point approx group A -7 points, group B - 25 points and group C - 326 points i/c handingover the dismantled materials to the station authority within the compound etc. as required.	1	Job		#NAME?	0.00
16	Providing of temporary by-pass power supply to different parts of existing lighting loads, power loads and equipments etc. by making a substitute arrangement using suitable size of conductors and protective/controlling switchgears etc during execution of renovation work of internal electrical installation of buildings at All India radio studio campus having approximately 40 KW of Connected load etc as required.	1	Job		#NAME?	0.00
17	Replacement of existing old ceiling fan with 5 star rated, 1200mm ceiling fan including installation, testing and commissioning etc as required. ( As per Usha cat no : Energia Star (5 Star rated )	47	Each		#NAME?	0.00
18	Painting of the existing following items using 2 coats of good quality synthetic enamel paint etc. as required:-					
	(i) Exhaust fan 300/450mm sweep	15	Each		#NAME?	0.00

S.No.	Description of Items	QTY	Unit	Rate in figures	Rate in words	Amount
19	Supplying & Installation of heavy duty exhaust fan of size 300mm sweep, 900 rpm in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	2	Each		#NAME?	0.00
20	Supplying & fixing of the louvers/ shutters complete with frame for an exhaust fan of 300mm sweep.	2	Each		#NAME?	0.00
21	Making of a hole on the existing brick wall of the building suitable for installation of a 300 mm sweep exhaust fan including proper plastered finish etc. as required.	2	Job		#NAME?	0.00
22	Supplying and fixing gong bell suitable for 230V, 1Ø A.C. supply i/c connection complete etc. as required.	2	Each		#NAME?	0.00
23	Supplying & fixing of surface mounted 15 watt LED down lighter suitable for 220V AC supply i/c making connections etc. as reqd.(similar to Philips, cat. No. 919215850519 )(For entrance Foyer)	3	Each		#NAME?	0.00
<b><u>S.H. - II (Earthing &amp; Lightning Arrestor.)</u></b>						
1	Earthing with G.I. earth pipe 4.5 meter 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.	9	Set		#NAME?	0.00
2	Earthing with G.I. earth plate 600 mm x 600 mm x 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	4	Set		#NAME?	0.00
3	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	45	Metre		#NAME?	0.00
4	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	60	Metre		#NAME?	0.00
5	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.	6	Each		#NAME?	0.00
6	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.	40	Each		#NAME?	0.00
7	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)	100	Metre		#NAME?	0.00

S.No.	Description of Items	QTY	Unit	Rate in figures	Rate in words	Amount
8	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)	55	Metre		#NAME?	0.00
9	Fixing of copper/ G.I. tape 20 mm x 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	25	Metre		#NAME?	0.00
10	Fixing of copper/ G.I. tape 20 mm x 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	10	Metre		#NAME?	0.00
11	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.	5	Each		#NAME?	0.00
12	Providing and laying G.I. tape 32 mm x 6 mm from earth electrode directly in ground as required.	30	Metre		#NAME?	0.00
13	Providing & fixing of 200mm x 200mm x 100mm(nominal) metallic First Aid Box on the wall containing the medical items like Dettol, Burnol, Marbromine,Cotton,Band Aid, gauge, adhesive bandage etc. as required.	1	Each		#NAME?	0.00
14	Renovation of the damaged chamber of the existing earth pit with brickwork, plastering and providing MS cover plate with locking arrangement including painting etc as requird.	6	Job		#NAME?	0.00
15	Providing and fixing of the following sizes of Poly Carbonate legend plates of suitable thickness, with required inscriptions using coloured vinyl Stickers, including cutting and pasting / fixing on the existing earth pits or walls etc. complete as required.					
	a 10 inches x 8 inches (nominal) [ for earth pits identification].	17	Each		#NAME?	0.00
16	Providing & fixing of the Electrical Shock Treatment chart on the existing wall made out of 2 feet x 3 feet standard sunboard with eco solvent vinyl including lamination etc. complete as required.	2	Each		#NAME?	0.00
<b>S. H. - III (Service Connection Cable)</b>						
1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size upto 35 sqmm in the existing masonry open duct as required.					

S.No.	Description of Items		QTY	Unit	Rate in figures	Rate in words	Amount
	a	4x10 Sqmm.(From Ess. L.T. Panel to AVR by-pass panel, from AVR to UPS & N.E. Light DB, C/Room from S.G. room )	12	Metre		#NAME?	0.00
2	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size upto 35 sqmm (clamped with 1mm thick saddle) size on wall surface as required.						
	a	4x10 Sqmm..(From Ess. L.T. Panel to AVR by-pass panel, from AVR to UPS & N.E. Light DB, C/Room from S,G,room )	28	Metre		#NAME?	0.00
3	Supplying & Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size conforming to IS IS:7908(Part-I)1998 with uptodate ammendments direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.						
	a	2x6 Sqmm ( For Gong bell from Sentry post to control room ).	25	Metre		#NAME?	0.00
	b	4x10 Sqmm. ( For Ess S/C to Office Block)	25	Metre		#NAME?	0.00
4	Supplying and Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size conforming to IS IS:7908(Part-I)1998 with uptodate ammendments, in the existing RCC/ HUME/ METAL pipe as required.						
	a	2x6 Sqmm ( For Gong bell from Sentry post to control room).	16	Metre		#NAME?	0.00
	b	4x10 Sqmm. ( For Ess S/C to Office Block)	8	Metre		#NAME?	0.00
5	Supplying and Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following sizeconforming to IS IS:7908(Part-I)1998 with uptodate ammendments in the existing masonry open duct as required.						

S.No.	Description of Items	QTY	Unit	Rate in figures	Rate in words	Amount	
	a	2 x 6 Sqmm ( For Gong bell from Sentry post to control room).	2	Metre		#NAME?	0.00
	b	2 x10 Sqmm ( For Ess SDB GF to FF ).	2	Metre		#NAME?	0.00
	c	4x10 Sqmm. ( For Ess S/C to Office Block & C/O to AVR in S/R)	11	Metre		#NAME?	0.00
	d	4x16 Sqmm. ( For NE power in control Room)	8	Metre		#NAME?	0.00
	e	3½ x 25 Sqmm ( N.E. Panel to Ess. Panel)	6	Metre		#NAME?	0.00
6	Supplying, Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size conforming to IS IS:7908(Part-I)1998 with uptodate ammendments,on wall surface as required.(clamped with 1mm thick saddle)						
	a	2x6 Sqmm ( For Gong bell from Sentry post to control room).	100	Metre		#NAME?	0.00
	b	2x10 Sqmm. ( For Ess SDB GF to FF).	6	Metre		#NAME?	0.00
	c	4x10 Sqmm. ( For Ess S/C to Office Block & C/O to AVR in S/R)	60	Metre		#NAME?	0.00

S.No.	Description of Items		QTY	Unit	Rate in figures	Rate in words	Amount
	d	4x16 Sqmm. ( For NE power in control Room)	20	Metre		#NAME?	0.00
7	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.						
	a	2 x 6 sq. mm	10	Set		#NAME?	0.00
	b	2 x 10 sq. mm	2	Set		#NAME?	0.00
	c	4 x 10 sq. mm	15	Set		#NAME?	0.00
	d	4 x 16 sq. m	2	Set		#NAME?	0.00
	e	3½ x 25 Sqmm	2	Set		#NAME?	0.00
	f	3½ x 50 Sqmm	1	Set		#NAME?	0.00
	g	3½ x 120 Sqmm	1	Set		#NAME?	0.00
8	Supplying and laying 40mm dia. G.I. pipe (Med) ISI marked for road crossing/vertical drop on wall & making good the same etc. complete as required.		24	Metre		#NAME?	0.00



S.No.	Description of Items	QTY	Unit	Rate in figures	Rate in words	Amount
	<b>TOTAL AMOUNT:-</b>				#NAME?	0.00
				<b>Executive Engineer (E)</b>		

# SCHEDULE OF QUANTITY

**Name of Work : - Replacement of the old existing aluminium wiring with copper wiring in the Studio cum Office block including the ancillary structure for All India Radio at Siliguri.**

**NAME OF THE FIRM**

S.No.	Description of Items	QTY	Unit	Rate in figures	Rate in words	Amount
<b>Sub - Head : I (Wiring)</b>						
1	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 steel 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.					
a	Group A (Sentry post & Reception room.)	6	Point			0.00
b	Group B (AGD except dormitory.)	14	Point			0.00
c	Group C (2 nos in corridor, 2 nos exhaust fan and 5 points in TDL, 1 no in old Hindi room).	10	Point			0.00
2	Wiring for twin control light point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable etc. as required. (Staircase at Canteen.)	2	Point			0.00
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required					

S.No.	Description of Items		QTY	Unit	Rate in figures	Rate in words	Amount
	a	2 x 2.5 sq.mm + 1 x 2.5 sq.mm earth wire. (Office block essential light points only.)	50	Metre			0.00
	b	2 x 6 sq.mm + 1 x 6 sq.mm earth wire. (For new A/C points in Office block.)	40	Metre			0.00
	c	4x2.5 sq.mm+2x2.5 sq.mm earth wire. (Office block essential light points only.)	130	Metre			0.00
	d	4 x 6 sq.mm + 2 x 6 sq.mm earth wire. (For new A/C points in Office block.)	80	Metre			0.00
4	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.						
	a	2 x 2.5 sq.mm + 1 x 2.5 sq.mm earth wire. (AGD except dormitory)	22	Metre			0.00
	b	4x2.5 sq.mm+2x2.5 sq.mm earth wire. (AGD except dormitory)	6	Metre			0.00
5	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.		32	Metre			0.00
6	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 2 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.		18	Metre			0.00
7	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel conduit including dismantling as required.						

S.No.	Description of Items		QTY	Unit	Rate in figures	Rate in words	Amount
8	a	Group B	13	Point			0.00
	b	Group C	358	Point			0.00
	Rewiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required. (Staircase office block)		4	Point			0.00
9	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.						
	a	3 x 1.5 sq.mm	150	Metre			0.00
	b	3 x 2.5 sq.mm	975	Metre			0.00
	c	3 x 4 sq.mm	1095	Metre			0.00
	d	6 x 2.5 sq.mm	150	Metre			0.00
	e	6 x 4 sq.mm	50	Metre			0.00

S.No.	Description of Items		QTY	Unit	Rate in figures	Rate in words	Amount
	f	3X6 Sqmm.	50	Metre			0.00
10	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.						
	a	20 mm	300	Metre			0.00
	b	25mm.	125	Metre			0.00
	c	32mm	200	Metre			0.00
11	Dismantaling of all old wires of ckt/submain wiring of the internal E.I. consisting of light/fan/exhaust fan/call bell points, approximately, Group A = 07 pts, Grop B= 25 pts and Group C=326 pts. , 6A/16A plug points=160 nos (approx) except the recessed steel conduit. i/c handing over the said dismantled materials to the station authority within the compound etc. as required.		1	Job			0.00
<b>TOTAL AMOUNT:-</b>							0.00
					<b>Executive Engineer (E)</b>		

# SCHEDULE OF QUANTITY

## ABSTRACT OF COST

**NAME OF THE FIRM**

<b>S.No.</b>	<b>Name of Works</b>	<b>Qty</b>	<b>Ref.</b>	<b>Rate in figures</b>	<b>Rate in words</b>	<b>Amount</b>
1						
1	Replacement of old existing industrial type L.T. Panel and S.D.Bs etc. for All India Radio, Siliguri.	1	SOQ01 Siliguri		#NAME?	0.00
2	Replacement of the old existing piano type switch sockets with modular type switch & sockets, providing of ceiling fan / heavy duty exhaust fans, renovation of earthing system and service connection etc. for studio complex, All India Radio at Siliguri.	1	SOQ02 Siliguri		#NAME?	0.00
3	Replacement of the old existing aluminium wiring with copper wiring in the Studio cum Office block including the ancillary structure for All India Radio at Siliguri.	1	SOQ03 Siliguri		#NAME?	0.00
<b>TOTAL AMOUNT:-</b>					#NAME?	0.00
				<b>Executive Engineer (E)</b>		