

NAME OF THE TENDERER:

NAME OF WORK :Electrical works connected to shifting of NBSNL BTS site@ piler2

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O/oSub Divisional Engineer (E)
BSNL Electrical Sub Division,
2nd Floor, New Admin Building
Besides Head Post Office
Tirupati.
PhNos: 0877-2245600



भारत संचार निगम लिमिटेड
(भारत सरकार का उपक्रम)
BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)

Letter No: NIT/BSNL/ESD/TPT/19-20/ 63

Dated: 05.03.2020

NOTICE INVITING TENDER

(Sub Divn NIT No :05/NIT /BSNL/ESD/TPT/19-20 Dated : 05.03.2020)

(Divn NIT No: 17/NIT/BSNL/EDT/2019-20)

The Sub-Divisional Engineer (E), BSNL Electrical Sub Divn, Tirupati invites on the behalf of BHARAT SANCHAR NIGAM LIMITED sealed item rate tender for the works for from the contractors satisfying under mentioned eligibility conditions:-

Sr. No.	Name of work	Estimated Cost put to Tender Rs.	EMD Rs.	Tender Fees Rs.	Time allowed
1.	Electrical works connected to shifting of NBSNL BTS site@ piler2	41493/-	830/-	177/-	15 days

Last date of receipt of application	11.03.2020	16.00 Hrs
Last date of sale of tender documents	11.03.2020	16.00 Hrs
Last date of submission	12.03.2020	15.00Hrs
Date of opening	12.03.2020	15.30Hrs

1. Eligibility Conditions: -

- BSNL enlisted agencies by the Electrical wing (or)
- BSNL Ex-enlisted contractors / agency having Elec licence to carryout or supervise LT/MV /HT works (or)
- Firm/ Electrician who has authorized Electrical licence to carryout or supervise LT/MV /HT works (or)
- Agency who has successfully completed at least single work of similar nature in the last 3 years in BSNL. (Experience certificate shall be enclosed)

Other Conditions :-

- Documents in support of eligibility shall be enclosed with tender
- Eligible Agency/ contractor from the above, shall be GST registered, copy of GST registration shall be attached
- Rate quoted above shall be inclusive of all taxes and duties excluding GST , which shall be indicated separately in the schedule of work .

2. The tenderer shall submit the tenders in 2 sealed covers marked as 1st and 2nd. The first cover should contain the EMD in the shape of Demand Draft / FD/Pay Order of a scheduled Bank / Nationalized Bank / State Bank guaranteed by Reserve Bank of India (RBI) drawn in favour of "**ACCOUNTS OFFICER (Cash). O/o The GMTD, Tirupati**". The second cover should contain the tender documents. In case 1st cover is not annexed or EMD is not in the proper form the 2nd cover will not be opened at all.

3. Validity of Tender shall be for 90 DAYS from the date of opening of the Tender.

4. **(i) Performance Guarantee:** The Contractor is required to furnish performance guarantee for an amount equal to 5 % of the contract value in the form of bank guarantee (of Nationalized / Scheduled Bank in a standard format)/CDR/ FDR/DD within two weeks from the date of issue of award letter. The validity period of the performance security in the form of performance bank guarantee shall be one year from the date of actual completion of work.

(ii) Security Deposit: In addition to performance guarantee stated above, a sum @10% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum along with the sum already deposited as earnest money, will amount to security deposit of 5 % of the tendered value of the work.

5). The intending tenderer shall furnish the cost of Tender document in the form of Demand draft of Scheduled Bank or Nationalized Bank/ State Bank guaranteed by Reserve Bank of India. The DD for **177/-** (Inclusive of all Taxes) which is non-refundable, shall be drawn in favour of "**Accounts officer (cash), O/O GMTD, BSNL, TIRUPATI**".

6). The tenders to be received up to 3.00PM on the date of opening and opened at 3.30PM on the same day

7). The conditional tender shall be summarily rejected.

8). The company or the firm or any other person is not permitted to tender for works in BSNL unit in which his near relative (s) is (are) posted.

9). The tender documents shall not be sent through courier/post. The tender documents received through courier / post shall not be opened / considered at all.

10). Tender document can also be downloaded from the website www.ap.bsnl.co.in

11). The firm who quotes on the tender downloaded from website shall be strictly follow the following procedure: The tender shall be submitted in two envelopes.

i) First envelope shall contain tender application (If tender downloaded from WEB, tender fee, attested document proving fulfillment of eligibility criteria as per the tender notice and EMD in proper form. Separate DD should be attached for tender fee and EMD. All originals of eligibility criteria shall be produced for verification at the time of tender opening.

ii) Second envelope shall contain duly filled tender document.

iii) Separate Tender schedule & EMD shall be submitted for each work. The same shall be clearly written on the envelopes.

12).The second envelope shall not be opened in following cases:-

- a) Tender fee is not submitted in proper form
- b) EMD is not in proper form
- c) Firm fails to fulfill eligibility criteria on the basis of document submitted in the first envelope,

13). If any difference / discrepancies found between downloaded tender form, any hard copy issued from Sub Division office, the contents in Draft NIT issued from SDE (E)'s office will be final & binding.

Letter No: NIT/BSNL/ESD/TPT/19-20 / 63

Dated: 05.03.2020

Station: Tirupati

Dated: 05.03.2020

**Sub-Divisional Engineer(E)
BSNL Electrical Sub Division
Tirupati**

Copy To:

- 1.The SE(E),BSNL Electrical circle,Vijayawadafor information.
- 2.The Executive Engineer(E),BSNL Elec.Divn,Tirupatifor information.
- 3.Notice Boards of Divn office/sub Divn Office.
- 4.BSNL Internet Tenders portal.

SPECIAL CONDITIONS OF CONTRACT

1. DOWN LOADING OF TENDER DOCUMENTS FROM WEBSITE:

In case the tender documents are downloaded from web site,

i) The tenderer shall submit cost of tender documents(non-refundable) in the shape of Demand Draft / Pay Order of a scheduled Bank / Nationalized Bank / State Bank guaranteed by Reserve Bank of India (RBI) drawn in favour of "**ACCOUNTS OFFICER (Cash), O/o The GMTD, Tirupati**" & self attested copies of certificates / testimonials duly certified by any BSNL SUB DIVISIONAL OFFICER/ SDE[e] in first cover along with EMD, If not certified by BSNL SDE [e] , then original documents shall be produced at the time of tender opening. The Second cover shall be opened in such cases only when all the documents in first cover are found in order.

ii) The tenderer shall submit the downloaded original computer printouts of the document from the website and the photocopy shall not be accepted. If during the process of tender finalization, it is detected that the tenderer has submitted tender documents after making any changes / addition / deletion in tender documents downloaded from the website the offer shall be summarily rejected and the EMD deposited by the tenderer shall be forfeited in addition to any other action that may be taken as per prevailing rule.

iii) All the pages of tender documents must be serially numbered and signed with stamp by authorized signatory.

iv) The tenderer must give an undertaking that he has gone through all the clauses of BSNL PWD-6 and BSNL PWD-8 and shall abide by the same PWD-6 and PWD-8 are standard forms of contract available in the market and can be seen and inspected in any of the BSNL Electrical Division / Sub-division office.

2. **Taxes & Duties :** **The firm shall quote rates inclusive of all taxes and duties excluding GST.** The firm shall claim GST as applicable along with each bill clearly furnishing the complete detail of GST amount which shall be paid to him along with the bill. The firm shall submit necessary documents like GST along with the bill to enable the company to avail GST input credit as applicable.

4 Increase / Decrease in tender quantity:

BSNL will have the right to increase or decrease up to 25% of the contract value depending upon the requirement of goods and services specified in the schedule of items without any change in the unit price or other price or other terms and conditions at the time of award of contract.

In exceptional situation where the requirement is of an emergent nature and it is necessary to ensure continued maintenance from the existing vender's, the company reserves the right to place increase or decrease the quantity by 50% at the same rate or a rate negotiated (downwardly) with the existing vendors considering the reasonability of rates based on prevailing market conditions and the impact of reduction in duties and taxes etc.

5 Required T&P to be arranged by the firm.

2) Clause No.10-CC of the P.W.D.-8 shall not be applicable for this contract.



**BHARAT SANCHAR NIGAM LIMITED
(ELECTRICAL WING)**

BSNL ELECTRICAL DN.

:- Tirupati

SUB-DN. : - **Tirupati**

NOTICE INVITING TENDERS

1. Item rate tenders are hereby invited on behalf of the CMD of BSNL from eligible contractors for the work of :
Electrical works connected to shifting of NBSNL BTS site@ piler2 .
2. The enlistment of the contractors should be Valid on the last date of sale of tenders. 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.

In case both the last date of receipt of application and sale of tenders are extended, the enlistment of contractor should either of the two dates i.e. original date of sale of tender or n the extended date of sale of tenders.

The work is estimated to cost of 41493/-

this estimate, however, is given merely as a rough guide.

The authority competent to approve NIT for the combined cost and belongings to the major discipline will consolidate NITs for calling the tenders. He will also nominate Division, which will deal with all matters relating to the invitation of tenders.

For composite tender, besides indicating the combined estimated cost put to tender, should clearly indicate the estimated cost of each component separately. The eligibility of tenderer will correspond to the combined estimated cost of different components put to tender.

Criteria of eligibility of issue of tender documents : AS PER NIT

3. Agreement shall be drawn with the successful tenderer on prescribed Form No. CPWD – 7/ 8 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.
4. The time allowed for carrying out work will be **15 days** from the date of commencement of work as per agreement conditions.
5. The site for the work is available. OR
The site for the work shall be made available in parts as specified below:

6. Receipt of the application for issue of forms will be stopped by 1600 hrs ONE day before the date fixed for opening of tenders. Issue of tender forms will be stopped ONE day before the date fixed for opening of tenders.
Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms & 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 Sub Divisional Engineer (E), BSNL Electrical Sub Division- Tirupati** between hours of 11.00 A.M. & 04.00 P.M. from **as mentioned in above NIT** everyday except on Sundays and Public holidays. Tender documents, excluding standard form, will be issued from this office, during the hours specified above, on payment of the following:
 - i) **177/-** in cash as cost of tender.
 - ii) Earnest money deposit as mentioned in the above NIT in the shape of Demand Draft/BG/CDR/FDR/Pay Order of a scheduled Bank / Nationalized Bank / State Bank guaranteed by Reserve Bank of India (RBI) in favour of **Account officer(cash),%GMTD, BSNL, Tirupati** shall be submitted along with the tender.

7. 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 Sub Divisional Engineer (E), BSNL Electrical Sub Division- Tirupati** up to 03.00 P.M. on the date **mentioned as per above NIT** and will be opened by him or his authorized representative in his office on the same day at 03.30 P.M.
8. The contractor shall be required to deposit an amount to 5% of the tendered value of the work as performance guarantee in the form of an irrevocable bank guarantee bond of any schedule bank or State Bank of India in accordance with the form prescribed or in cash or in the form of Govt. Security, Fixed deposit receipt etc. as in case of recovery of security deposit within prescribed number of days of the issue of letter of acceptance. This period can be further extended by the Engineer-In-Charge up to a maximum period of prescribed number of days on written request of the contractor.
9. The description of the work is as follows:-
Electrical works connected to shifting of NBSNL BTS site@ piler2
Copies of other drawings and documents pertaining to the works will be open for inspection by the tenderers at the office of the above mentioned officer.

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 inspect it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost of materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the works unless otherwise specifically provided for in the contract documents. Submission of tender by a tenderer implied 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 all 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.

10. 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 rebates is put forth by the tenderer shall be summarily rejected.

The competent authority also reserve its right to allow to the Central Government public sector enterprises, joint venture with CPSE holding 51% equity or more, a purchase preference to the lowest valid price bid, where the quoted price is within 10% of such lowest price in a tender, other things being equal, in case of tenders/ quotations whose date of receipt is (as mentioned above as per NIT) subject to the estimated cost being of Rs. Five Cores and above.

The Public enterprises who avail benefit of the purchase preference and should be subjected to adequate penalties for cost overruns etc.

11. Canvassing whether directly or indirectly, in connection with the tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
12. 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 tenderer shall be bound to perform the same at the rate quoted.
13. The contractor shall not be permitted to tender for works in CPWD Circle (responsible for award and execution of contracts) in which his near relatives is posted as Divisional Accountant or as 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 subsequently employed by him and who are near relatives to any gazetted officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.

14. No Engineer of gazetted rank or other Gazetted officer employed in Engineering of Administrative duties in an Engineering department of the Government of India is allowed to work as contractor for a period of two years after his retirement from Government services, 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.
15. The tender for the work shall be remain open for acceptance for a period of sixty days from the date of opening of tenders, if any tenderer withdraw 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 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 tenderer shall not be allowed to participate in the re-tendering process of the work.
16. This Notice Inviting Tender shall form 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 the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
 - b) Standard C.P.W.D. Form 7/8.

17. For Composite Tenders

The tender must associate with himself agencies of the appropriate class eligible to tender for the other components individually.

It will be obligatory on the part of the tenderer to sign the tender documents for all the components, (The schedule of quantities, conditions and special conditions etc.)

After the work is awarded, the contractor will have to enter into separate agreements for each component with the officer concerned.

Sub divisional Engineer in charge of minor components shall make interim payments in respect of minor component of work. Sub Divisional Engineer in charge of the major component shall make the payment against final bill of the composite contract.

The Sub Divisional Engineer in charge of the major component will call tenders for the composite work. The cost of the tender documents and Earnest Money will be fixed with respect to the combined estimated cost put to tender for the composite tenders. Security Deposit will be worked out separately for each component corresponding to the estimated cost of the respective component of works. The Earnest Money will become part of the security deposit of the major component of work.

On acceptance of the composite tender by the competent authority the letter of award will be issued by the Sub Divisional Engineer in-charge of the major component on behalf of the president of India, 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 (Designation to be given).

Signature of Sub Divisional Engineer (E)

BHARAT SANCHAR NIGAM LIMITED
(A Government of India Enterprise)

STATE : Andhra Pradesh
BRANCH : ELECTRICAL
ZONE : Andhra Pradesh

CIRCLE : Andhra Pradesh
Division :Tirupati
SUB – Division:TPT

ITEM RATE TENDER & CONTRACT FOR WORKS

(A) Tender for the work of:-

**Electrical works connected to shifting of NBSNL BTS site@ piler2
to be submitted by 15.00 Hrs. on 12.03.2020 to the O/o SDE(E), BSNL ESD- TPT, shall be opened in presence
of tenderers who may be present at 15:30 Hrs. on 12.03.2020 in the O/o SDE(E), BSNL ESD,- Tirupati .**

Issued to: _____
(Contractor)

Signature of officer issuing the documents _____

Designation : _____

Date of issue: _____

TENDER

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 BSNL 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 90 days from the due date of submission thereof and not to make any modifications in its terms and conditions.

A sum of **177/-** is hereby forwarded in the form of CDR of a Scheduled Bank/Fixed Deposit Receipt /Pay Order of a Scheduled Bank/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 BSNL 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 BSNL 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 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 the tender form.

Further, I/ We agree that in case of forfeiture 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 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/derailed 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 :

Name of Signatory :

Postal Address :

Seal of Agency if any :

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 BSNL for a sum of Rs. _____ (Rupees _____)

The Letters referred to below shall form part of this contract agreement :

1. _____
2. _____
3. _____

For and on behalf of the BSNL

Signatures _____
Designation _____
Dated _____

CERTIFICATE BY TENDERER

I / We Declare that:

1. I or any my partner(s) am / is / are neither working in any capacity in any of BSNL units in Gujarat.
2. In case of any changes of partners or changes or constitution of the firm, I shall bring to the same to the knowledge of S.E.(E) / Ex. Eng. Concerned.
3. I / We am / are aware that any breach of the condition would render the contract liable for termination and forfeiting of my / our earnest money deposit / security deposit at any stage whenever it is noticed.
4. The term 'relatives' means wife / husband / parents and grand parents / children / grand children / brothers/ sisters / uncles / cousins and their corresponding in- law.

Place : _____

Date : _____

Signature of tenderer with seal.*

*** to be signed by proprietor / all the partners / Directors of the company as the case may be.**

UNDERTAKING / DECLARATION

(In case only where the tender documents are downloaded from BSNL website.)

1. I/ We have submitted the tender in the Performa as downloaded directly from the website, which are same as available in the website and there is no change in the format, number of pages etc.
2. I/We have not made any changes / corrections / additions / alterations / deletions / omissions / modifications etc. in the tender documents downloaded from website.
3. I/We have checked that no page is missing and all pages as per the Index are available and that all pages of tender document submitted by me/us are clear and legible.
4. I/We have signed (with stamp) all the pages of the tender document before submitting the same.
5. Certified that I have gone through the terms & condition of standard CPWD-6 & CPWD-8 forms containing general conditions of contract and I shall abide by the same.
6. I hereby agree that CPWD-6 & CPWD-8 forms shall form part of the agreement in case the work is awarded to us.
7. In case at a later stage, it is noticed that there is any difference in my/our tender documents with the original documents, BSNL shall have the right to cancel the tender/work, forfeit the Earnest Money/Security Deposit, take appropriate action as per the prevailing rules in force and BSNL shall not be bound to pay any damage to me/us on this account.

Place: _____

Date : _____

Signature of tenderer with seal.

PROFORMA OF SCHEDULES

(Operative Schedules to be supplied separately to each intending tenderer)

SCHEDULE 'A'

Schedule of quantities: as enclosed in this NIT

SCHEDULE 'B'

Schedule of material to be issued to the contractor.

Sr. No.	Description of item	Quantity	Rates in figures and words at which the material will be charged to the contractor	Place of Issue
1	2	3	4	5
Annexed to the schedule of quantities				

SCHEDULE 'C'

Tools and plant to be hired to the contractor

Sr. No.	Description of item	Hire charges per day	Place of Issue
1	2	3	4
NIL			

SCHEDULE 'D'

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

I. Important Note for Contractors: ENCLOSED

SCHEDULE 'E'

Schedule of component of Cement, Steel, other materials, Labour etc. for price escalation.

SCHEDULE : F

Reference to General Conditions of contract

01	Electrical works connected to shifting of NBSNL BTS site@ piler2	41493/-
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- i) Performance Guarantee : 5% of the tendered value of the work
ii) Security Deposit : 5% of the tendered value of the work

GENERAL RULES and DIRECTIONS:	Officer in charge tender Sub Divisional Engineer (E) BSNL Electrical Sub Division, Tirupati 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.
Definitions:	See below
2(v) Engineer-in-Charge	Sub Divisional Engineer (E), BSNL Electrical Sub Division, Tirupati
2(viii) Accepting Authority	Sub Divisional Engineer (E), BSNL Electrical Sub Division, Tirupati
2(x) Percentage on cost of materials and labour to cover all overheads and profits.	10%
2(xi) Standard Schedule of Rates	DSR 2012
2(xii) Department	BSNL
9(ii) Standard CPWD contract Form	CPWD Form 8 as modified and corrected upto date.
Clause 1 i) Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance, in days ii) Maximum allowable extension beyond the period provided in i) above in days	2 weeks -----
Clause 2 Authority for fixing compensation under Clause 2.	Superintending Engineer (E), BSNL, Electrical Circle, Vijayawada
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 Milestone(s) as per table given below:-	10 days

Table of Mile Stone(s)			
Sl. No.	Description of Milestone (Physical)	Time allowed in days (from date of start)	Amount to be withheld in case of non achievement of milestone
1	NA		
2			
OR			
Sl. No	Financial Progress	Time allowed (from date of start)	Amount to be withheld in case of non achievement of milestone
1	1/8 th (of whole work)	1/8 th (of whole work)	NA
2	3/8 th (of whole work)	1/2 (of whole work)	
3	3/4 th (of whole work)	3/4 th (of whole work)	
4	Full	Full	
Time allowed for execution of each work. Authority to give fair and reasonable extension of time for completion of work.			As per NIT. EE(E)/SE(E)
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.			As Applicable.
Clause 10 CC Clause 10 CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column.			NA
Clause 11 Specifications to be followed for execution of work			Specifications as per Section I to III appended with Schedule of work.
Clause 12 12.2 & 12.3 Deviation Limit beyond which clauses 12.2 and 12.3 shall apply			25%
12.5 Deviation Limit beyond which clauses 12.2 and 12.3 shall apply for foundation work			NA
Clause 16 Competent Authority for deciding reduced rates.			Executive Engineer (E), BSNL, Electrical Division, Tirupati
Clause 36 (i) Minimum Qualifications and experience required for Principal Technical Representative.			
a) For works with estimated cost put to tender more than i) Rs. 10 lakhs for Civil work ii) Rs. 5 Lakhs for Elect/Mech. Works			Graduate or retired AE possessing at least recognized diploma

b) For works with the estimated cost put to tender more than i) Rs.5 lakhs but less than Rs.10 lakhs for Civil works ii) Rs.1 lakh but less than Rs.5 Lakhs for Elect./Mech. Works	Recognised diploma holder
c) Discipline to which the Principal Technical Representatives should belong.	Elect./Mech
d) Minimum experience of works	Three (3) years.
e) Recovery to be effected from the contractor in the event of not fulfilling provision of clause 36(1)	Rs.4,000/-p.m.for Graduate Rs.2,000/-p.m.for Diploma holder

Clause 42

i) (a) Schedule/ statement for determining theoretical quantity of cement and bitumen on the basis of Delhi Schedule of Rates _____ printed by **C.P.W.D.** NA

ii) Variations permissible on theoretical quantities

a) Cement for works with estimated cost put to tender not more than Rs.5 lakhs.

for works with estimated cost put to tender more than Rs.5 lakhs.

b) Bitumen All works.

c) Steel Reinforcement and structural steel sections for each diameter, section and category.

d) All other materials

3% ±
2% ±
2.5% ± only and nil on minus side
2% ±
NIL

NA

IMPORTANT INSTRUCTIONS TO ALL TENDERERS

All tenderer should read the following important instructions carefully before actually quoting rates:-

01. The tenderers should read carefully & understand all the Conditions for the contract, Schedule of quantity etc attached with the tender document before actually quoting for the work.
02. The tenderers who have downloaded the tender document from the web should read the important instructions & declaration given in pages carefully before submitting the tenders.
03. Earnest Money & tender shall be placed in separate sealed covers marked "EMD" & "TENDERS" respectively. The EMD cover shall be attached to the main sealed cover containing the tender documents. The tenders of Tenderers who do not enclose the EMD in a separate cover or if the EMD is not appropriate form for encashment, tender shall not be considered for opening and will be rejected.
04. Any tender in which any of the prescribed conditions is not fulfilled or any conditions including that of conditional rebates is put forth by the tenderer shall be summarily rejected. However any unconditional rebate offered before the opening of the tenders shall be considered.
05. Near relatives of the BSNL employees shall not be permitted to tender and all the intending tenderers will have to give a certificate that none of his / her near relatives as defined in para 14 of BSNL W-6 in the format enclosed.
06. The rates quoted shall include all taxes, royalty, signiorage charges that are applicable from time to time as per statutory rules of State / Central Government.
07. The rates shall invariably be written in figures and words and amount for each item worked out and filled in the schedule. All corrections made while filling shall be signed and seal affixed.

ESSENTIAL CONDITIONS BROUGHT TO THE ATTENTION OF CONTRACTOR

- 1 Please note that the offers, which do not comply the following, will not be considered and will be totally rejected.
- 2 The firm shall quote the rate of each item on lump sum basis inclusive of all taxes & levies excluding GST as applicable including loading, unloading and transportation of the material etc. up to site .
- 3 No octroi exemption certificate shall be issued by the department nor the octroi duty paid by the contractor will be reimbursed. Hence octroi charges shall be included in the offer.
- 4 The rates during the entire period of the contract shall remain firm and final except for variation in Taxes & duties. No claim under clause 10cc shall be entertained.
- 5 No advance payments shall be made. The payment is governed by the normal department practice and a stipulation like levy of interest if payment is not made in a specified time is not acceptable.
- 6 The bidder or by a person or persons duly authorised by the bidder to the contract shall submit the tender document duly signed on all pages as token of acceptance of terms & conditions specified on each page of the tender documents. The letter of authorization shall be indicated by written power of attorney accompanying the bid.
- 7 No exemption certificate for payment of EMD is acceptable.
- 8 **COMPENSATION FOR DELAY :**
If the contractor fails to maintain the required progress or complete the work and clear the site on or before the contract or extended date of completion, he has to pay the compensation for delay which is limited to 0.5% per week of the tendered value for the first 10 weeks and 0.7% for the next 10 weeks and thereafter subject to a maximum of 12% of the tendered value for the location where the work is delayed and the firm is found responsible for the same. **The clause 2 of BSNL - 8 form stands modified accordingly.**
- 9 All the material will be under the charge of contractor till it is completed and handed over. Safe custody of material shall be the firms responsibility even if any running payments have been made for material brought at site or installed. However, no material shall be removed from site without written permission of Engineer in charge.
- 10 **INCREASE / DECREASE OF TENDER QUANTITY:**
 - a) BSNL will have the right to increase or decrease upto 25% of the contract value depending upon the requirement of goods and services specified in the schedule of items without any change in the unit price or other terms and conditions at the time of award of contract.
 - b) In exceptional situation where the requirement is of an emergent nature and it is necessary to ensure continued supplies from the existing vendors, the purchaser reserves the right to place repeat order upto 50% of the quantities of goods and services contained in the running tender / contract within a period of Six months from date of award of work at the same rate or a rate negotiated (downwardly) with the existing vendors considering the reasonability of rates based on prevailing market conditions and the impact of reduction in duties and taxes etc.

GENERAL RULES AND DIRECTIONS

- 1 All work proposed for execution by contract will be notified in a form of invitation to tender pasted in public places and signed by the officer inviting tender or by publication in news papers as the case may be.
This form will state the work to be carried out, as well as the date for submitting and opening tenders and the time allowed for carrying out the work, also the amount of earnest money to be deposited with the tender, and the amount of the performance guarantee and security deposit to be deposited by the successful tenderer and the percentage, if any, to be deducted from bills. Copies of the specifications, designs and drawings and any other documents required in connection with the work signed for the purpose of identification by the officer inviting tender shall also be open for inspection by the contractor at the office of officer inviting tender during office hours.
- 2 In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power of attorney authorising him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act, 1952.
- 3 Receipts for payment made on account of work, when executed by a firm, must also be signed by all the partners, except where contractors are described in their tender as a firm, in which case the receipts must be signed in the name of the firm by one of the partners, or by some other person having due authority to give effectual receipts for the firm.
- 4 Any person who submits a tender shall fill up the usual printed form, stating at what rate he is willing to undertake each item of the work. Tenders, which propose any alteration in the work specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort, including conditional rebates, will be summarily rejected. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit separate tender for each. Tender shall have the name and number of the works to which they refer, written on the envelopes.
The rate(s) must be quoted in decimal coinage. Amounts must be quoted in full rupees by ignoring fifty paise and considering more than fifty paise as rupee one.
- 5 The officer inviting tender or his duly authorised assistant, will open tenders in the presence of any intending contractors who may be present at the time and will enter the amounts of the several tenders in a comparative statement in a suitable form. In the event of a tender being accepted, a receipt for the earnest money forwarded therewith shall thereupon be given to the contractor who shall thereupon for the purpose of identification sign copies of the specifications and other documents mentioned in Rule-1. In the event of a tender being rejected, the earnest money forwarded with such unaccepted tender shall thereupon be returned to the contractor remitting the same, without any interest.
- 6 The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest or any other tender.
- 7 The receipt of an accountant or clerk for any money paid by the contractor will not be considered as any acknowledgement or payment to the officer inviting tender and the contractors shall be responsible for seeing that he procures a receipt signed by the officer inviting tender or a duly authorised Cashier.
- 8 The memorandum of work tendered for and the schedule of materials to be supplied by the department and their issue-rates, shall be filled and completed in the office of the officer inviting tender before the tender form is issued. If a form is issued to an intending tenderer without having been so filled in and incomplete, he shall request the officer to have this done before he completes and delivers his tender.
- 9 The tenderers shall sign a declaration under the official Secret Act, 1923 for maintaining secrecy of the tender documents drawings or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them.
- 10 In the case of Item Rate Tenders, only rates quoted shall be considered, Any tender containing percentage below/above the rates quoted is liable to be rejected. Rates quoted by the contractor in item rate tender in figures and words shall be accurately filled in so that there is no discrepancy in rates written in figures and words. However, if a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall unless otherwise proved be taken as correct. If the amount of an item is not worked out by the contractor or it does not correspond with the rates written either in figures or in words, than the rates quoted by the contractor in words shall be taken as correct. Where the rates quoted by the contractor in figures and in words tally but the amount is not worked out correctly, the rates quoted by the contractor will unless otherwise proved be taken

as correct and not the amount.

- 11 In the case of any tender where unit rate of any item / items appear unrealistic, such tender will be considered as unbalanced and in case the tenderer is unable to provide satisfactory explanation, such a tender is liable to be disqualified and rejected.
- 12 All rates shall be quoted on the tender form. The amount for each item should be worked out and requisite totals given. Special care should be taken to write the rates in figures as well as in words and the amount in figures only, in such a way that interpolation is not possible. The total amount should be written both in figures and in words. In case of figures, the word 'Rs' should be written before the figure of rupees and word 'P' after the decimal figures, e.g. 'Rs. 2.15P' and in case of words, the word, 'Rupees' should precede and the word 'Paise' should be written at the end. Unless the rate is in whole rupees and followed by the word 'only' it should invariably be upto two decimal places. While quoting the rate in schedule of quantities, the word 'only' should be written closely following the amount and it should not be written in the next line.
- 13 (i) The contractor whose tender is accepted, will be required to furnish performance guarantee of 5% of the tendered amount within specified period. This guarantee shall be in the form of government securities or fixed deposit receipt of any Scheduled bank, guarantee bonds of any scheduled bank or State Bank of India.
(ii) The contractor whose tender is accepted, will also be required to furnish by way of Security Deposit for the fulfillment of his contract, an amount equal to 5 % of the tendered value of the work. The Security deposit will be collected by deductions from the running bills of the contractor @ 10% of the gross amount of the bill and the earnest money if deposited in cash at the time of tenders, will be treated as a part of the Security Deposit. The Security amount will also be accepted in cash or in the shape of Government Securities, Fixed Deposit Receipt and Guarantee Bonds of a Scheduled Bank or State Bank of India will also be accepted for this purpose provided confirmatory advice is enclosed.
- 15 Sales tax, purchase tax, turnover tax or any other tax on material in respect of this contract shall be payable by the Contractor and BSNL will not entertain any claim whatsoever in respect of the same.
- 16 The contractor shall give a list of both gazetted and non-gazetted BSNL employees related to him.
- 17 The tender for the work shall not be witnessed by a contractor or contractors who himself / themselves has/ have tendered or who may and has / have tendered for the same work. Failure to observe this condition would render, tenders of the contractors tendering, as well as witnessing the tender, liable to summarily rejected.
- 18 The contractor shall submit list of works which are in hand (progress) in the following form:

Name of Work	Name and particulars of Divn where work is being executed	Value of work	Position of works in progress	Remarks
1	2	3	4	5

- 19 The contractor shall comply with the provisions of the Apprentices Act- 1961 and the rules and orders issued thereunder from time to time. If he fails to do so, his failure will be a breach of the contract and the Superintending Engineer / Executive Engineer may in his discretion, without prejudice to any other right or remedy available in law, cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

PROFORMA - PERFORMANCE SECURITY GUARANTEE BOND

- 1 In consideration of the CMD, BSNL (hereinafter called 'BSNL') having offered to accept the terms and conditions of the proposed agreement between _____ and _____(hereinafter called the said contractor(s)') for the work _____ (hereinafter called "the said agreement"),having agreed to production of a irrevocable Bank Guarantee for Rs._____(Rupees_____ only) as a security / Guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement .
We, (name of the bank) _____(hereinafter referred to as "the bank") hereby undertake to pay to the BSNL an amount not exceeding Rs._____ (Rupees_____only) on demand by the BSNL.
- 2 We (name of the bank)_____ do hereby undertake to pay the amounts due and payable under this guarantee without any demure, merely on a demand from the BSNL stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs._____ (Rupees _____ only)
- 3 We, the said bank further undertake to pay to the BSNL any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.
- 4 We, (name of the bank) _____ further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of BSNL under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-Charge on behalf of the BSNL certified that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee.
- 5 We, (name of the bank)_____ further agree with the BSNL that the BSNL shall have fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time from time to time any of the powers exercisable by the BSNL against the said Contractor(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on the part of the BSNL or any indulgence by the BSNL to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
- 6 This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s).
- 7 We, (name of the bank)_____lastly undertake not to revoke this guarantee except with the previous consent of the BSNL in writing.
- 8 This guarantee shall be valid upto _____ unless extended on demand by the Government. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. _____ (Rupees _____ only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the _____ day of _____

for _____
(indicate the name of bank)

SCHEDULE OF QUANTITY

Name of work : Electrical works connected to shifting of NBSNL BTS site@ piler2						
S.No	Description of Item	Qty		Rate in Rs.	Unit	Amount in Rs
1	Supplying & laying of 4x25 Sqmm PVC insulated single core aluminium cable for service connection in existing PVC pipe/ in open etc as required.	25.0	Mtr		Mtr	
2	Supplying & laying of 10Sqmm PVC insulated copper conductor cable in existing PVC pipe/ in cable chamber etc as required	50	Mtrs		mtr	
3	Supplying & making end termination with suitable copper lugs to 10 Sqmm copper wires as required	22	nos		each	
4	Supplying & laying of 20mm dia PVC pipe on surface of wall / in recess for covering Electrical cables/ wires as required	3	mtr		mtr	
5	Supplying & laying of 40mm dia PVC pipe on surface of wall / in recess for covering Electrical cables/ wires as required	26	mtr		mtr	
6	Supplying & fixing of following electrical items etc as required.					
	a) 12Way SPN MCB DB	1	nos		each	
	b) 40A FP isolator	1	nos		each	
	c) 40A FP MCB	1	nos		Each	
	d) 6 to 32A SP MCBs	3	nos		each	
	e) 4way MS enclosure	1	nos		Each	
7	Supplying & fixing of 40W florescent tube light fitting (normal patti type) with electronic choke I/c 40W Flouroscent lamp on surface of wall etc as required	2	nos		each	
8	Supplying & fixng 50mm x10mmx 600mm GI Bus bar (for Earth Bus bar) on surface of wall with suitable insulators etc as required	1	nos		each	
9	Supplying & Fixing of Outdoor PVC enclosure for housing fuse cutouts, neutral link on surface of wall as required	1	job		job	
10	Supplying & fixing of 100A Fuse cutouts in the existing Fuse box as required	3	nos		each	
11	Supplying & fixing of 100A neutral link in the existing Fuse box as required	1	nos		each	
12	Removing of SPDCL 3 PH Energy meter by removing cable connections from Old BTS site , fixing the same at new location on surface of wall , making cable connections, testing etc complete by co ordinating the SPDCL authorities as required	1	job		Job	
		Net value of work				
		Add CGST_____%				
		Add SGST_____%				
		Add IGST_____%				
		Gross value of work I/c GST				

Note: The contractor has to furnish GST invoice clearly indicating CGST / SGST / IGST payable on the total value of work done. BSNL will make above tax payment to contractor and will avail "Input tax credit" on such payment. The Contractor should upload the CGST / SGST / IGST details of invoice into GST network to enable BSNL to avail input tax credit.

SDE(E)

Signature of the Agency

SPECIFICATION FOR THE WORK

1. The work shall be carried out as per current CPWD specifications for electrical works as amended from time to time and Indian Electricity Rules as amended upto date.
2. The work shall be supervised by a qualified technical staff.
3. Layout of the work will be given by the Engineer-in-Charge or his duly authorized representative at the site of work.
4. Earthing sets work shall be carried out in the presence of the Engineer-in-charge or his authorized representative .
5. Samples of all the materials, fittings, accessories, switchgears etc., shall be approved from the Engineer-in-charge before using the same in the work. Rejected material shall be removed immediately from the site of work.
6. The contractor will have to carryout following test at his cost and intimate test results before final bills are paid. Nothing extra will be paid to him on this accouts.
 - a)Earth test
7. Any damages done to the building by the contractor during the execution of work shall have to be made good at his cost and risk. If it is not done within a reasonable time determined by the Engineer-in-charge, then the same will be got done at his cost departmentally after giving notice to him.
8. The contractors will have to make arrangements to take the materials to the site of work at his own cost and risk. Octrai paid by the contractor for the materials supplied by the department can be claimed by him against the original vouchers.

LIST OF APPROVED MAKES- BSNL ELECTRICAL WING

S. No.	Item	Makes
1	Engine	Ashok Leyland /Cummins/ Cater pillar / KOEL/ Volvo Penta / Mahindra & Mahindra (up to 40 KVA) /Escorts (up to 30 KVA)/ Eicher (up to 20 KVA)
2	Alternator(Brushless)	Crompton Greaves (AL. series) / KEC / Leroy Somer / Stamford/Jyoti Ltd
3	Battery (Lead Acid / Mntc. Free)	Amara Raja / AMCO / Farukawa / Hitachi / Exide/ Prestolite / Standard
4	HV Switchgear (Vacuum Circuit Breaker/SF ₆)	BieccoLawrie / Crompton / Kirloskar / MEI / Jyoti Ltd
5	Transformer (Oil filled / Dry type)	ABB / Schneider Electric / Andrew Yule / Bharat Bijlee / Crompton / EMCO / Kirloskar / Siemens
	a) Above 400 KVA	
	b) Up to 400 KVA	In addition to above makes, Uttam/Automatic Electric Gear(AEG)/Patson/Rajasthan Transformer and Switchgear
6	Air Circuit Breaker	L&T/ Schneider Electric / Siemens
7	MCCB(Ics=Icu)	L&T/ Schneider Electric / Siemens
8	SDF units	L&T/ Schneider Electric / Siemens/ HPL/Havells
9	Power Contactors	L&T/ Schneider Electric / Siemens/ Lakshmi(LECS)
10	Change Over Switch	HPL / Havells / H-H Elcon
11	Intelligent APFC Relay	L&T/EPCOS(Siemens)/ Schneider Electric / Neptune Ducati/Syntron/ABB
12	Bus Bar Trunking/ Sandwiched Bus Duct	Moeller/L&T/Schneider Electric/ABB/Legrand/Zeta
13	Power Capacitors (MPP/APP)	L&T/EPCOS(Siemens)/ABB/Crompton/ Schneider Electric/Neptune Ducati
14	Digital/ KWHmeter	Schneider Electric/ AE/ Digitron / IMP/ Meco / Rishabh / Universal/HPL/L&T/ABB
15	Cold shrink HT/LT Cable Joint	Denson / 3M(M-Seal)/ Raychem
16	Rubber Matting	ISI mark
17	MCB/ Isolator /ELCB/RCCB/ Distribution Board	Crompton / Havells / Indokopp / MDS Legrand/ L&T / Schneider Electric/ Siemens / Standard/ C&S/ABB/HPL
18	MS/ PVC Conduit	ISI mark
19	Cable Tray	MEM/Bharti/Ratan/Slotco/Profab
20	HT/LT Cables	ISI mark
21	PVC insulated copper conductor wire	ISI mark
22	Centrifugal Pump	Amrut / BE / Beacon / Batliboi / Crompton / Jyoti / Kirloskar / KSB / Mather &platt / WASP/Grundfos
23	Submersible Pump	Crompton/Amrut / BE / Calama / Kirloskar / KSB
24	Motors	ABB/ Bharat Bijlee / Crompton Greaves / Schneider Electric / HBB / KEC / Siemens/Jyoti Ltd

25	Fresh Air Fans	GE / Khaitan/Almonard/Crompton
26	Starter	ABB / BCH / Schneider Electric / L&T / Siemens /
27	Single Phase Preventer	L&T / Minilec / Siemens / Zerotrip
28	GI/MS Pipe	ATC / ATL / BST / GSI / ITC / ITS / IIA / JST / Jindal /TTA / Tata/Zenith
29	Foot Valve	ISI mark
30	Gate Valve	Advance/Audco/Johnson Controls/Zoloto/Annapurna / Fountain / Kirloskar / Leader / Sant / Trishul
31	Compressors	Carrier/Emerson copeland/York/Danfoss (for chillers only)
32	Resin Bonded Glass wool	Fibre Glass / Pilkington / UP Twiga
33	Expanded Polystyrene	BASF(India) Ltd.
34	Gauge	Feibig / H.Guru / Pricol
35	Controls	FLICA / Honeywell / Indfoss / Penn-Danfoss / Ranco / Ranutrol / Sporland
36	Fine Filters	Anfiltra Effluent / ARW / Athlete/ Airtake/ Dyna / Kirsloskar/ Puromatic/ Purafill/ Purolator / Tenacity
37	GI Sheet	HSU Jindal / National / Nippon Denro / Sail / Tata
38	Heat Detector	Appollo / Chemtron/ Edward / Fenwal/ Hochiki / Nitton /System Sensor/ Wormald/Honeywell Essar/Notifier
39	Ionization Detector	Appollo / Cerebrus / Edward/ /Fenwal / Hochiki / Nitton / System Sensor / Wormald
40	Photo Electric Smoke Detector	Appollo / Cerebrus / Edward / Fenwal/ Hochiki / Nitton / Wormald
41	Fire Panel (Microprocessor based)	Agni Instruments / Agni Devices/ Aruna Agencies/ Carmel Sensor / Ravel Elect./Honeywell Essar/Notifier/Navin Systems
42	Sprinkler/ Hose Reel & Hose Pipe	ISI mark
43	Fire Extinguisher	ISI mark
44	Lift	OTIS, Kone, Mitsubishi , Schindler,Johnson

Sub Divisional Engineer (E)