

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).



Bharat Sanchar Nigam Limited
(Electrical Wing)

O/o the Sub Divisonal Engineer (E),
BSNL, Electrical Sub Division I
No:2, Kushkumar road,
Chennai-34.

TENDER DOCUMENT

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

NIT no: 59 /BSNL ED III/CH/2018-19

This tender document contains 37 pages (Thirty seven) pages only

Name of the Agency

Address

.....

.....

Telephone No. of agency:

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

INDEX

SL.No	Description	Page no.
1	Front cover and Index	2
2	Notice Inviting Tender form - BSNL EW6	6
3	General Instructions to the Bidders	11
4	Undertaking to abide by EW 6 & EW 8 (Form 'A')	13
5	Undertaking regarding EPF& ESI provisions (Form 'B')	14
6	Performance report of works (Form 'C')	15
7	No Near relative working certificate (Form 'D')	16
8	Model form of Bank Guarantee for EMD (Annexure-I)	17
9	Model form of Performance security Guarantee bond (Annexure-II)	18
10	Schedule of Quantities	22
11	Specification	32
13	List of Approved Makes	33
14	Proforma Schedules	35
15	BSNL EW – 8 form	36

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

INFORMATION AND INSTRUCTIONS FOR BIDDERS

The Sub Divisional Engineer (Elect), BSNL, **ESD-I, Chennai** on behalf of the CMD, BSNL invites Item rate bids from eligible bidders in Single bid system for the following work:

1	Name of work	Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).
2	Estimated cost put to tender	Rs 41290/-
3	Earnest Money	Rs.826/-
4	Period of completion	1 Month
5	Tender Fee(Non-refundable)	Rs.150/- + 18% GST
6	Last date & time for submission of tender	Up to 15:00 Hrs. on 06.07.2018
7	Date and time for opening of tender	15:30 Hrs. on 06.07.2018

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

ELIGIBILITY CRITERIA

The bidders satisfying the following conditions:

The Contractors satisfying the following conditions:

- 1.1 BSNL enlisted contractors in Electrical category of respective class as per their tendering limits.**

In addition to the above, the firm shall possess the following to be eligible to participate in the tender.

Registration with EPF, GST and Income tax(Wherever applicable),

The contractors shall submit and confirm

1. Valid Chartered accountant's certificate and registration certificate [Enlistment in BSNL (if Applicable),] with self attested copies along with application on their printed letterheads for purchase of tender.
2. List of works completed of requisite magnitude along with self attested copies of certificates, Testimonials of satisfactory completion from the department concerned obtained from an officer not below the rank of Executive Engineer.
3. . The tenderer shall submit the tenders in 2 sealed covers marked as cover Ist and 2nd . The Ist cover should contain the Earnest Money Deposited in the shape of Demand draft /Pay order of a Nationalized Bank or Scheduled Bank guaranteed by Reserve Bank of India drawn in favour of the **BSNL, Chennai Telephones**, and 2nd cover should contain the tender documents. **In case Ist cover is not annexed or Earnest Money is not in proper form, the 2nd cover containing tender document will not be opened at all.**

IMPORTANT INSTRUCTIONS TO BIDDERS DOWN LOADING THE TENDER DOCUMENT FROM WEB SITE

The bidders, who have down loaded the tenders from the web site, shall read the following important instructions carefully before quoting the rates and submitting the tender documents.

1. The tenderer should see carefully and ensure that the tender document containing all the pages as per the index has been down loaded for making required entries. The balance pages of Standard BSNL EW8 form will be attached with the agreement after the award of work.
2. A clear print out of tender document shall be taken on good quality A4 size paper and the printer settings, etc., shall be such that the document is printed as appearing in the web and without any change in format, number of pages, etc., and shall also ensure that no page is missing. Only original computer printout of the document shall be used. Photocopy shall not be accepted.
3. In case of any doubt in the downloaded tender, the same shall be got clarified from the Engineer in charge calling the NIT before submission.
4. The name of the bidder shall be filled on the relevant pages of tender document and all the pages shall be invariably signed. (With stamp)

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

5. The tenderer shall ensure that the downloaded tender document is properly stitched before submitting the document.
6. There shall be no correction / addition / alteration / omission made in the text of the downloaded tender document. If found otherwise, the same shall be treated as non-responsive and rejected.
7. The tenderer shall sign the declaration enclosed before submitting the tender.
8. The tenderer shall submit the tenders in 2 covers marked as No.1 and No.2. The tenderer shall submit the credentials for meeting the eligibility conditions along with the cost of the tender fee and EMD in the prescribed format as detailed in NIT, along with a covering letter on his printed letter head stating the details of enclosures in the **first cover**. The credentials shall be self-attested. The **second cover** shall contain the price bid. The rates and amounts should be filled in the schedule of work attached thereto.
9. The **cover-1** shall contain the following.
 - a. Tender Fee in the prescribed format
 - b. EMD in the prescribed format
 - c. Certificate of Financial Turnover from Chartered Accountant if applicable
 - d. Documents fulfilling Eligibility criteria (Please note that in case the bidder is authorised by the manufacturer, the original authorisation letter is to be scanned and uploaded)
 - e. Enlistment certificate issued by BSNL if applicable
 - f. Electrical license issued by TN Govt if applicable
 - g. GST Registration Number details
 - h. PAN Card
 - i. EPF and ESI Registration certificate if applicable
 - j. Certificate of work experience issued by client department (Form 'C') if applicable

Not submitting the above documents in Cover-1, the Cover-2 will not opened

2. The **Cover-1 and 2** shall be deposited in the tender box available in the office of tender opening authority, by all the bidders before **3:00 PM** on the tender opening date, failing which the tender shall not be opened.

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

BSNL EW-6

Bharat Sanchar Nigam Limited
Electrical Wing

Electrical Division: **ED-III, Chennai**

Sub Division: **ESD I**

Item rate tenders on single bid system are invited on behalf of CMD,BSNL for the work **Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).**from the eligible bidders as per NIT notification. The enlistment of the bidders should be valid on the opening date of tender. In case the date of opening of tender is extended, the enlistment of bidder should be valid on the original date of opening of tender.

1. Tenders which should always be placed in sealed covers with the name of the work written on the envelope will be received and opened by the tender opening authority as per the date and time mentioned in **INFORMATION AND INSTRUCTIONS FOR BIDDERS. Unsealed tenders will be summarily rejected.**
2. Intending bidder is eligible to submit the bid provided that he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority as per the eligibility conditions mentioned in the NIT notification page.
3. The work is estimated to cost **Rs.41290 / -** This estimate, however, is given merely as a rough guide.
4. Agreement shall be drawn with the successful bidder on prescribed form as amended up to the date of opening of tender. Bidder shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
5. The time allowed for carrying out the work will be **1 Month** from the 10th day after the date of written order to commence the work.
6. The site for the work is available / or the site for the works shall be made available in parts. The successful bidder shall execute the work in coordination with other agencies working in the campus.
7. The bid documents 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.tender.bsnl.co.in** at free of cost. The BSNL EW-8 document can be seen from the web site www.chennai.bsnl.co.in at free of cost.
8. The Tender Fee in the form of Demand Draft issued by the Nationalized / Scheduled bank authorized by the Reserve Bank of India, drawn in favour of **BSNL CHENNAI TELEPHONES** payable at **CHENNAI**. The validity of the tender cost in the form of DD shall be **60 days** from the date of opening.

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

9. The Earnest money deposit (EMD) in the form of Demand Draft / FDR / BG (BG is only for Air Conditioning, Diesel Engine Alternator, Lifts, and Sub Station works wherever the amount of EMD is more than Rs.20,000)/ CDR of a nationalized / scheduled bank authorized by the Reserve Bank of India, drawn in favour of BSNL CHENNAI TELEPHONES payable at CHENNAI. The validity of the EMD in the form of DD shall be 60 days from the date of opening. If the EMD is in the form of CDR/FDR/BG, the validity shall be 180 days from the date of opening. In case of L1 bidder, the validity of CDR/FDR/BG is to be extended up to the observation period as that of the Performance guarantee / Security deposit. Exemption from payment of Tender Fee, Earnest Money and Security Deposit by any other unit/ department shall not hold good for BSNL.
10. The last date for submission of bid is **06.07.2018** up to 3:00 PM and the bid submitted shall be opened at 03:30 PM on the day. If a holiday is declared on the tender opening day, the tender will be opened on the next working day.
11. **Performance Guarantee:** The bidder is required to furnish Performance guarantee for an amount equal to 5% of the contract value in the form of bank guarantee/CDR/FDR/DD (of a Nationalized/ Scheduled Bank in a standard format) within two weeks from the date of issue of acceptance letter. This period can be further extended by the Engineer-in-charge up to a maximum period of two weeks on written request of Bidder. The validity period of the performance security in the form of performance bank guarantee shall be: Three Months from the date of actual completion of work, for AMC works; and One year from the date of actual completion of work for all other works. **In case the bidder fails to deposit the said performance guarantee within the stipulated period, including the extended period if any, the Earnest Money deposited by the bidder shall be forfeited automatically without any notice to the bidder and the bidder will not be allowed to participate in the re tendering for the same work.**
12. **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 be deducted with the sum already deposited as earnest money, will amount to security deposit of 5% of the contract value of the work. **The security deposit shall be released after an observation period as follows: Three Months from the date of actual completion of work, for AMC works; and One year from the date of actual completion of work for all other works.**
13. If it is found at any stage of tender scrutiny after submission of tender that the bidder has made any correction/addition/alteration/omission intender documents vis-à-vis tender documents available on the website /original Draft NIT in office, the bid shall be treated as non-responsive and shall be summarily rejected and the BSNL shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid. Further, the bidder shall not be allowed to participate in the retendering process of the work.
14. The Tender documents shall not be sent through the Courier/Post. Tender documents received through Courier/post shall not be opened/considered at all. All communication with the bidders shall be in writing. Fax / E-mail shall be covered under this category and considered as adequate means of communication.

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

15. Intending bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders, 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 bidder 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 bidder 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 bidder 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 BSNL and local conditions and other factors having a bearing on the execution of the work.
16. The competent authority on behalf of the CMD does not bind himself to accept the lowest or any other tender and reserves to himself 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 bidder shall be summarily rejected. The competent authority on behalf of CMD reserves to himself the right of accepting the whole or any part of the tender and the bidder shall be bound to perform the same at the rate quoted.
17. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the bidders who resort to canvassing will be liable to rejection.
18. Agreement shall be drawn with the successful bidder on prescribed form. Bidder shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.
19. The bidder should give a certificate as per the following that none of his/her relative is employed in BSNL units as per **Form 'D'**. In case of proprietorship firm, certificate will be given by the proprietor and for partnership firm certificate will be given by all the Directors of the company.
 - a. Near relatives of all BSNL employees either directly recruited or on deputation are prohibited from participation in tenders and execution of works in the different units of BSNL. The near relatives for this purpose are defined as:
 - i. Members of a Hindu Undivided family.
 - ii. They are husband and wife.
 - iii. The one is related to the other in the manner as father, mother, son(s) & son's wife(daughter-in-law), Daughter(s) & daughter's

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

husband(son-in-law), brother(s) & brother's wife, sister(s) & sister's husband(brother -in-law).

- b. The company or firm or any other person is not permitted to tender for works in BSNL unit in which his near relative(s) is(are) posted. The unit is defined as SSA/Circle/Chief Engineer/Chief Archt./Corporate office for non-executive employees and all SSA in a circle including circle office/Chief Eng./Chief Archt./Corporate office for executive employees (including those called as Gazetted officers at present). The bidder should give a certificate that none of his/her such near relative is working in the units as defined above where he is going to apply for tender/work, for proprietorship, partnership firms and limited company certificate shall be given by the authorized signatory of the firm. Any breach of these conditions by the company or firm or any other person, the tender/work will be cancelled and earnest money/performance guarantee will be forfeited at any stage whenever it is so noticed. BSNL will not pay any damages to the company or firm or the concerned person. The company or firm or the person will also be debarred for further participation in the concerned unit.
- c. No employee in BSNL/ Govt. of India is allowed to work as a contractor for a period of two years of his retirement from service without the prior permission. The contract is liable to be cancelled if either the bidder or any of his employees is found at any time to be such a person who had not obtained the permission as aforesaid before submission of tender and engagement in the bidders service.
20. The tender for the work shall remain open for acceptance for a period of ninety (90) days from the date of opening of tenders. If any bidder withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the BSNL, then the BSNL 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 retendering process of the work.
21. The bidder has to comply with the provisions of EPF and miscellaneous provisions Act-1952 and employees provident fund scheme-1952 as amended up to date in respect of labours/employees engaged by them for this work. Any consequence arising due to non-complying of provisions as specified above shall be the sole responsibility of the firm only. The agency shall give an undertaking to this effect as per **Form 'B'**.
22. **Extension of Validity of tender:** In case, where the letter of award of work cannot be placed within the validity period of the tender, the BSNL can request the bidder to extend the validity of their respective tenders and the Earnest Money deposit by a reasonable period. In such cases, extension of validity of Earnest Money deposit by 30 days beyond the extended validity date of tender should also be asked for. While BSNL can make the request for extension, the tenderer is free to either extend the validity or refuse the request to extend the validity.

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

23. Rates quoted by the contractor shall be firm and shall be valid for the currency of contract. No cost escalation shall be permitted during the currency of contract.

24. This notice inviting tender shall form a part of the contract document. The successful bidder, 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, subsequent amendments issued and the rates quoted at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.

b. Standard BSNL EW-8 form

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

General Instructions to the Bidders

1. The intending bidder must read the terms and conditions of BSNL-EW 6 carefully. He should only submit his bid, if he considers himself eligible and he is in possession of all the documents required.
2. Information and instructions for bidders posted on website shall form part of bid document.
3. Applicants are advised to keep visiting the above mentioned website from time to time (till the deadline for bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the applicant of his liabilities to submit the applications complete in all respect including updates thereof, if any. An incomplete application may be liable for rejection.
4. Even though any bidder may satisfy the above requirements, he would be liable to disqualification if he has:
 - a. Made misleading or false representation or deliberately suppressed the information in the forms, statements and enclosures required in the eligibility criteria document.
 - b. Record of poor performance such as abandoning work, not properly completing the contract, or financial failures / weaknesses etc.
5. If any information furnished by the bidder is found incorrect at a later stage, he shall be liable to be debarred from tendering/taking up of works in BSNL. The BSNL reserves the right to verify the particulars furnished by the applicant independently.
6. GST and any other tax applicable in respect of this contract shall be borne by the bidder himself. The bidder shall quote his rates considering all such taxes. The TDS as per the Govt. regulations will be recovered from the contractor.
7. **Tender Evaluation :**
 - (a) The evaluation and comparison of responsive bids shall be done on the basis of Net cost to BSNL on the prices offered inclusive of packing, forwarding, freight and insurance charges etc., but excluding GST. The bid with lowest net cost as elaborated above will be the L1 bidder.
 - (b) Vendors should furnish the correct GST Rate in the price schedule. If the Input Tax Credit is found to be not admissible at any stage subsequently owing to wrong furnishing of GST Rate, then the vendors will be liable to refund such non-admissible amount, if already paid, along with penalty if charged by the concerned authority.
8. However, pursuant to the constitution (Forty-sixth amendment) act, 1982, if any further tax or levy is imposed by statute, after the last date of receipt of tenders, and the contractors there upon necessarily and properly pays such taxes/ levies, the contractor shall be reimbursed the amount so paid, provided such payment, if

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

any, is not in the opinion of Superintending engineer (whose decision shall be final and binding) be attributable to delay in execution of work within the control of contractor.

9. The Contractor shall, within a period of 30 days of imposition of any further tax orlevy in pursuant to the constitution of (Forty sixth amendment) act 1982 give a written notice thereof to the Engineer-in-charge that the same is given pursuant to this condition, together with all necessary information relating thereto.

10. Bye laws Indemnity against liabilities:

- a. The bidder shall comply with all bylaws and regulations of the local and statutory authorities having jurisdiction over the works and shall be responsible for payment of all fees and other charges and giving and receiving all necessary notices and keep the Engineer –in-charge informed about the notices issued and received.
- b. The bidder shall indemnify the department against all claims in respect of patent rights design, trademark or name of other protected rights in respect of any plant, machine, work or materials used for or in connection with the works or temporary works and from and against all claims demands, proceedings, costs, charges and expenses whatsoever in respect of or in relation thereto.
- c. The bidder shall defend all actions arising from such claims and shall himself pay all royalties, License fees, damages, costs and charges of all and every sort that may be legally incurred in respect hereof shall be borne by the bidder.
- d. All liabilities / penal recoveries on matters arising out of tax /levies such as incorrect deductions, discrepancies in the filing of returns, revised assessments by the concerned authorities etc., shall be borne by the bidder.

11. Termination of contract on death of contractor :

Without prejudice of any of the rights or remedies under this contract, if the contractor dies, the Engineer in charge on behalf of the BSNL shall have the option of terminating the contract without compensation to the contractor.

12. Indulging of contractor in criminal /antisocial activities and cases under investigation/charge sheeted by CBI or any other government agencies etc. :

If the CBI/Independent External Monitor (IEM) /Income tax/ Sales Tax /GST/ Central Excise/Custom Departments recommend such a course - Action will be taken as per the directions of CBI or concerned department.

13. As a general notion, the terms and conditions/instructions contained in various pages of this document are addressed assuming the bidder as 'Male'. However, the same shall remain and assumed to be addressed in case of 'Female' bidder also, except for the gender centric words, which shall be 'female' centric at appropriate places.

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

FORM 'A'

Undertaking to abide by EW 6 & EW 8

"I..... Son/Daughter of
.....Resident of
..... hereby give an undertaking that I have read the complete bid document and I am aware of all the clauses and sub clauses of BSNL EW 6 & 8 forms and I confirm that I will abide by all the terms and conditions available in BSNL EW 6 & 8 forms.

(Seal of the firm)

(Signature of Bidder)

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

FORM 'B'

Undertaking regarding EPF provisions

"I..... Son /Daughter of
.....Resident of
..... hereby give an undertaking that

* I/We have employed only ----- persons in our establishment and hence the EPF and Miscellaneous provisions Act, 1952 is not applicable to my / our establishment.

* I/ We have registered as per the EPF and Miscellaneous provisions Act, 1952 and our registration no** is ----- . We undertake to keep it valid during the currency of contract.

In case at any stage, it is found that the information given by me is false / incorrect, BSNL shall have the absolute right to take any action as deemed fit/without any prior intimation to me".

* strike out whichever is not applicable

**Attach a self-attested photo copy of the above said EPF registration certificate.

(Seal of the firm)

(Signature of Bidder)

Undertaking regarding ESI provisions

"I..... Son of
.....Resident of
..... hereby give an undertaking that

* I/We have employed only ----- persons in our establishment and hence the ESI and Miscellaneous provisions Act,1948 is not applicable to my / our establishment.

* I/ We have registered as per the ESI and Miscellaneous provisions Act, 1948 and our registration no.** is ----- . We undertake to keep it valid during the currency of contract.

In case at any stage, it is found that the information given by me is false / incorrect, BSNL shall have the absolute right to take any action as deemed fit/without any prior intimation to me".

* strike out whichever is not applicable

**Attach a self-attested photo copy of the above said ESI registration certificate.

(Seal of the firm)

(Signature of Bidder)

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

FORM 'C'

Performance report of works

1. Name of Agency
2. Name of work
3. Agreement no.
4. Final Value of Work Done
5. Date of start of work
6. Actual date of completion
7. Performance: Satisfactory / Not Satisfactory

Dated:

Executive Engineer or Equivalent

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

FORM 'D'

No Near relative working certificate

I..... Son /Daughter of Shri..... Resident of..... hereby certify that none of my relative(s) as defined in the tender document is/are employed in BSNL unit as per details given in tender document. In case at any stage, it is found that the information given by me is false/incorrect, BSNL shall have the absolute right to take any action as deemed fit/without any prior intimation to me.

(Seal of the firm)

(Signature of Bidder)

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

Annexure I

MODEL FORM OF BANK GUARANTEE FOR EMD

(For submitting EMD for Air Conditioning, Diesel Engine Alternator, Lifts, and Sub Station Works wherever the amount of EMD is more than Rs.20,000/-)

Whereas _____ (hereinafter called "the bidder(s)")
has submitted its Tender dated _____ for the work _____

_____ KN
OW ALL MEN by these presents that WE
_____ OF _____

having our registered office at _____ (hereinafter called "the Bank") are bound unto _____ (hereinafter called "the BSNL")
in the sum of _____ for which payment will and truly to be made of
the said BSNL, the Bank binds itself, its successors and assigns by these presents.

THE CONDITIONS of the obligation are:

1. If the Bidder(s) withdraws its Tender during the period of Tender validity specified on the Tender Form: or
2. If the Bidder(s) having been notified of the acceptance of its Tender by the BSNL during the period of Tender validity.
 - (a) Fails or refuses to execute the Contract.
 - (b) Fails or refuses to furnish security Deposit in accordance with the conditions of Tender document.

We undertake to pay to the BSNL up to the above amount upon receipt of its first written demand, without the BSNL having to substantiate its demand, provided that in its demand, the BSNL will note that the amount claimed by it is due to it owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force as specified in the Tender Document up to and including Thirty (30) days after the period of the Tender validity and any demand in respect thereof should reach the Bank not later than the specified date/dates.

Signature of the Bank

Signature of the Witness

Name of Witness

Address of Witness:

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

**ANNEXURE II
PERFORMANCE SECURITY GUARANTEE BOND**

In consideration of the CMD, BSNL (hereinafter called 'BSNL') having agreed to exempt _____ (hereinafter called 'the said bidder(s)') from the demand under the terms and conditions of an agreement/Advance Purchase Order No _____ dated _____ made between _____ and _____ for the supply of _____ (hereinafter called "the said agreement"), of security deposit for the due fulfilment by the said bidder (s) of the terms and conditions contained in the said Agreement, on production of the bank guarantee for _____ we, (name of the bank) _____ (hereinafter refer to as "the bank") at the request of _____ (bidder(s)) do hereby undertake to pay to the BSNL an amount not exceeding _____ against any loss or damage caused to or suffered or would be caused to or suffered by BSNL by reason of any breach by the said Bidder(s) of any of the terms or conditions contained in the said Agreement.

2. We (name of the bank) _____ do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the BSNL by reason of breach by the said bidder(s)' of any of the terms or conditions contained in the said Agreement or by reason of the bidders(s)' failure to perform the said Agreement. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee where the decision of BSNL in these counts shall be final and binding on the bank. However, our liability under this guarantee shall be restricted to an amount not exceeding _____.

3. We undertake to pay to the BSNL any money so demanded notwithstanding any dispute or disputes raised by the bidder(s)/supplier(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 valid discharge of our liability for payment there under and the bidder(s)/supplier(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 the BSNL under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till _____ (office/BSNL) BSNL certifies that the terms and conditions of the said Agreement have been fully or properly carried out by the said bidder(s) and accordingly discharges this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the expiry of TWO/TWO AND HALF/THREE YEARS (as specified in P.O) from the date hereof, we shall be discharged from all liabilities under this guarantee thereafter.

5. We (name of the bank)_____ further agree with the BSNL that the BSNL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said bidder(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the BSNL

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

against the said Bidder(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 Bidder(s) or for any forbearance, act or omission on the part of the BSNL or any indulgence by the BSNL to the said Bidder(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 Bidder(s)/supplier(s).

7. We (name of the bank) _____ lastly undertake not to revoke this guarantee during its currency except with the previous consent of the BSNL in writing.

Dated the _____ day of _____

for _____ (indicate the name of bank)

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

IMPORTANT INSTRUCTIONS TO THE TENDERERS

Please note that the offers, which do not comply the following, will not be considered and will be totally rejected. These instructions supersede the BSNL/EW 8 clauses in case of any Disparity.

1 (i) INCREASE /DECREASE OF TENDERED QUANTITY

a) 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 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 orders up to 50% of the quantity of goods and services contained in the running tender/contract within a period of 12 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.

1 (ii) CURTAILMENT OF QUANTITY:-

BSNL reserves the right to enforce curtailment in the assigned quantum of work for any contractor on the grounds of defaults/delay in regard to execution of the individual work assigned.

2) COMPLETION OF WORK:-

At the time of issuing NIT for a particular work, the time allowed for completion of work consistent with magnitude and urgency of work is specified. The time allowed for carrying out the work as entered in the contract is reckoned from the tenth day after the date on which the orders to commence the work are given to the Contractor. To ensure good progress of the work during the execution, the contractor is bound in all cases in which the time allowed for any work exceeds one month (except special jobs) to complete 1/8th of the whole of the work before 1/8th of the time allowed under the contract has elapsed, 3/8th of the work before half of the time has elapsed and 3/4th of the work before 3/4th of such time has elapsed. However, for special jobs, if a time schedule has been submitted by the Contractor and the same has been accepted by the Engineer-in-charge, the contractor shall comply with such time schedule. For Substation, the work is deemed to have been completed after clearance by Electrical Inspector.

3) EXTENSION OF TIME:-

If the contractor shall desire an extension of time for completion of work on the grounds of his having been unavoidably hindered in its execution or on any other grounds, he shall apply in writing to the Engineer in charge within 30 days of the hindrance on the account on which he desires such extension as aforesaid, and the Engineer in charge shall if in his opinion reasonable grounds to be shown therefore, authorize such provisional extension of time, if any as in his opinion be necessary are proper.

4) 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% per week for 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 forms stands modified accordingly. Flow chart of the Procurement process/ contract shall be supplied by the contractor and approved by Executive Engineer concerned.

5) TERMS OF PAYMENT:

Quarterly Payment shall be made after completion of maintenance period. With each bill, a

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

certificate from the Contractor that maintenance has been carried out properly and testing / drills etc. required during the period have been performed in addition to the penalty explicitly indicated under penalty clauses.

6) EPF PROVISIONS:-

The agency has to comply with the provisions of EPF and miscellaneous provisions Act-1952 and employees provident fund scheme-1952 as amended up to date in respect of labours /employees engaged by them for this work. Any consequence arising due to non-complying of provisions as specified above shall be the sole responsibility of the firm only. Agency has to observe all the labour rules & regulation in force. Agency shall be fully responsible for any violation observed at any time.

7) PROGRAMME FOR EXECUTION

The firm shall supply detailed programme to Engineer-in-Charge for execution of contract within fifteen days of award of work. The programme shall contain details about submission of drawing, supply of materials, tentative dates for installation and commissioning.

8) STORES AND SAFETY

All the stores and materials required for the satisfactory completion of the work shall be arranged at work site by the contractor from his own source. Space for storing the same materials may be provided on request from the contractor. However safe custody of the material stores at site will be responsibility of the contractor.

9) CO-ORDINATION AT SITE

At the site of work more than one agency may be working. Full cooperation shall be extended to other agencies during the progress of work. Further work shall be carried out in such a way so that it may not cause abnormal noise and hindrance to the officers of the BSNL engaged in erection as well as to normal routine work.

10) COMPLETION DRAWINGS

The firm shall supply three sets of drawings/documents after completion of the work but before the proposed date of completion of work.

- ❖ Schematic diagram of control wiring.
- ❖ Operation and maintenance manual.

11) CHANGES IN SPECIFICATIONS

The BSNL reserves the right to make changes in respect of specifications of work if in its opinion same is found necessary. However such alterations shall be made after mutual discussions and agreement between the BSNL and the contractor. Any price implications in this regard shall be mutually discussed and agreed upon in terms of clause 12 of EW forms. The BSNL as matter of principle will not permit modifications by the contractor in design /specifications of any document /material. However the same can be agreed upon by the BSNL under exceptional circumstances where a) The same is necessitated due to non-availability of material/components of certain specifications/make.

Or

b) Such alterations constitute an improvement in the opinion of BSNL.

Prior approval is necessary before undertaking any alteration/modification in the specifications of the equipment.

12) I.S. Standards:

The entire system shall conform to relevant BIS including safety standards as amended up to date. Where IS standards are not available the British standard(s) shall be followed. In case of conflict, the requirements of these specifications shall be given over-riding priority. The electrical and earthing work shall be carried out as per CPWD specifications for electrical works (internal) and electrical works (external) as amended up to date. A list of relevant

standards, approved makes of equipment is furnished and forms part of the tender document.2

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

Schedule of Quantities

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).													
SI No	HSN / SAC Code	Description of Item	Quantity	Unit	Rate per Unit excluding GST	Amount per Unit excluding GST	CGST		SGST		IGST		Total Amount including GST
							%	Amount	%	Amount	%	Amount	
1	2	3	4	5	6	7 = (4 x 6)	8	9	10	11	12	13	14
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 medium class PVC conduit,with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.(Group B)	4 Pts	Pt									
2.		Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper											

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

3.	<p>conductor, single core cable in surface/ recessed medium class PVC conduit asrequired 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire</p>	5 mtrs	mtr										
4.	<p>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 insulatedcopper conductor single core cable for loop earthing as required.</p>	10 mtrs	mtr										
4.	<p>Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulatedopper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 2 Nos 4 sq. mm FRLS PVCinsulated copper conductor single core cable</p>												

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

		for loop earthing as required.	10 mtrs	mtr									
5		Supplying and fixing 5A piano type switch & socket on the existing switch box/ cover including connections etc. as required.	1No	each									
6		Supplying and fixing metal box of 180mmx 100mm x60mm deep (nominal size) on surface or in recess with suitable size phenolic laminated sheet cover in the front including providing and fixing 3 pin 15/16 amps. Socket outlet and 15/16 amps. piano type switch, connections, painting etc. as required. (For power plugs)	1No	each									
7		Supplying and Installation, testing and commissioning of pre-wired,box type fluorescent fitting / compact fluorescent fitting of all											

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

		types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	1No	each									
8		Suppling and fixing bulk head fitting on surface of wall i/c S/f 1no 18W CFL lamp complete with interconnection etc s etc as reqd	1No	each									
9		Supplying and fixing 5 amps to 32 amps rating, 240 volts, 'B' series, mininature circuit breaker suitable for lighting and other loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc as required. (MK: Havells or SS make)											
		a) Single pole	3 nos	each									

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

		b) Triple pole 63A	1No	each									
10		Removing of all EI from the dismantled shelter & Re-installation of existing DB, fittings & isolator in the newly commissioning shelter including giving connections, testing & commissioning etc as required.	1Job	Job									
11		Supplying and fixing of electronic choke in the existing fluroscent fitting replacing the faulty one complete with connections, testing and commissioning etc as required.	2Jobs	Job									
12		Supplying and fixing of 36w fluroscent tube in the existing fluroscent fitting replacing the faulty one, testing and commissioning	2 Jobs	Job									

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

		etc as required.											
13		Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 A, "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc as required.	1No	each									
14		Providing and fixing 6SWG dia GI wire on surface or in recess for connections etc.as reqd	16mtrs	mtr									
15		Re-routing of 4 core 25 sq.mm PVC sheathe armoured aluminium conductor UG cable in following manner as required											

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

(a)	Existing pipe/open duct	3 mtrs	mtr										
(b)	on wall surface as required	3 mtrs	mtr										
16	Supplying and making end termination with brass compression gland and aluminium lugs for 4X25sqmm of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required	2 Sets	Set										
17	Supplying and fixing of 600mm dia Wind driven Rooftop turbo ventilator System made up of aluminium i/c providing base plate made up of 0.71mm Aluminium plain sheet (1200mm x 1200 mm) with cylindrical arrangment (40cm height with 600mm Dia) on an existing BTS shelter roof, including removing the												

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

	corrugated sheet, making a opening in the roof of the shelter, making weather proof arrangment in the corrugated after fixing the turbo ventilator above the shelter etc as reqd.	1 Job	Job										
18	Supplying and fixing of louvers madeout of 16/18SWG MS sheet of size 950mmx650mm alongwith dust filter for fixing in the existing opening in the side wall of the prefabricated shelter for fresh air arrangement etc., complete as required	1 Job	Job										
19	Transportation of existing spacemaker AC from Elanthanur GSM site to Perambur stores including loading and unloading at both ends etc as required.	1 Job	Job										

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

20	Providing and fixing of Meter box suitable for 415 V AC fabrication along with Supplying and fixing of lockable arrangement and see through glass i/c service connection board suitable size 9 mm thick hylam sheet,63 A Neutral link, made out of 16 SWG MS sheet including cutting, drilling, welding, powder coating etc. complete as required	1 Job	Job										
	TOTAL AMOUNT												

IMPORTANT NOTES:-

1	The firm shall be responsible to ensure that GST shown in the above columns is correct & Input Tax Credit for the amount shown above is admissible as per GST Act as amended up to date".
2	Invoice /Bill should be pre-printed as per the GST format.

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

3	The evaluation and comparison of responsive bids shall be done on the basis of Net cost to BSNL on the prices offered inclusive of packing, forwarding, freight and insurance charges etc., but excluding GST
4	The rates for all items of work shall, unless clearly specified otherwise, include cost of all labour, materials and other inputs involved in the execution of the terms as specified in the scope of work.
5	No advance payments can be made. Stipulations like levy of interest if payment is not made in a specified time are also not acceptable and the payment is governed by the normal BSNL practice.

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

SPECIFICATIONS

1. The work shall be carried out as per the current CPWD specifications.
2. The work shall be supervised by a qualified supervisor from the contractor side.
3. The layout of the work will be given by the Engineer-in-charge or his duly authorized representative.
4. Entire materials intended for use shall be got approved by the Engineer-in-charge before its actual use. The rejected/ worn out material shall be removed immediately from the site of work.
5. Any damage done to the building or equipment during the execution of work has to be made good by the contractor at his own risk and cost. If he does not do it, himself within a reasonable time, determined by the engineer in charge, then the same will be got done by BSNL at the contractors risk and cost.
6. The work shall be guaranteed for a period of 6 months from the date of completion.
7. Work such as replacement of filters, oil and other consumables which cannot be measured at a later stage shall be carried out in the presence of the duly authorized representative of Engineer- in- Charge.
8. If any item not falling in the scope of the agreement is needed as per site requirements, the agency shall obtain approval of E-in-C as per laid down procedure.
9. Agency shall carryout the work , in coordination with the operation agency , operating the EA sets for timing of shut down, taking up the work.
10. Filters used shall be suitably rated and preferably as prescribed by the OEM.
11. If in the opinion of the service firm, it is felt that, this replacement/servicing will prove to be waste, considering the condition of the equipment and that good performance after this work is not expected, the agency shall bring to the notice of the Engineer in charge with due suggestions/modifications/curtailment of work.
12. The firm shall guarantee that the set will be working reasonably well for a period of six months. However, routine faults/unexpected faults is not covered in this guarantee. ALL MATERIALS SHALL BE "ISI" MARKED OR APPROVED BY THE BSNL.

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

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/SF6)	Biecco Lawrie / 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/ KWHr meter	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

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

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

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

PROFORMA OF SCHEDULES

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

SCHEDULE 'A'

Schedule of quantities : Attached

SCHEDULE 'B'

Schedule of materials to be issued to the bidder: Nil

SCHEDULE 'C'

Tools and plants to be hired to the bidder: Nil

SCHEDULE 'D'

Extra schedule for specific requirements/documents for the work, if any: Nil

SCHEDULE 'E'

Schedule of components of Materials, Labour etc. for escalation: Nil

SCHEDULE 'F'

Reference to General Conditions of contract :

Name of work:	As per NIT notification page
Estimated cost of work:	
Earnest money:	
Security Deposit and performance Guarantee	

General Rules & Directions: Officer inviting tender: Sub Divisional Engineer (E)
Electrical Sub Division-I, Chennai

Definitions:

- 2(v) Engineer-in-Charge **Executive Engineer (E), ED-III, Chennai**
- 2(vi) Accepting Authority **SDE (E), BSNL Electrical Sub Division -I, Chennai**
- 2(x) Percentage on cost of materials and labour to cover all overheads and profits **10%(TEN)**

CLAUSE 5

Time allowed for execution **One Month**

Authority to give fair and reasonable extension of time

for completion of work: **SE (E),EC-II, Chennai**

Competent Authority for deciding reduced rates :**SE (E),EC-II, Chennai**

Clause 25

Competent authority for conciliation: **SE (E) not in-charge of the work.**

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

BSNL EW-8

Bharat Sanchar Nigam Limited
Electrical Wing

Electrical Division: **ED-III, Chennai**

Sub Division: **ESD I**

1. I/we have read and examined the notice inviting tender, schedule, specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, special conditions, Schedule of Rates and other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.
2. I/We hereby tender for the execution of the work specified for BSNL within the time specified, schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions and other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.
3. I/We agree to keep the tender open for ninety (90) days from the due date of submission thereof and not to make any modifications in its terms and conditions.
4. If I/We, fail to commence the work specified, I/We agree that the said BSNL shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely and the same may at the option of the competent authority on behalf of BSNL be recovered without prejudice to any other right or remedy available in law out of the deposit in so far as the same may extend in terms of the said bond and in the event of deficiency out of any other money due to me/us under this contract or otherwise.
5. Should this tender be accepted, I/We agree to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered upto maximum of percentage mentioned in clause 12.3 of the tender form and those in excess of that limit at rates to be determined in accordance with provisions contained in clause 12.2.
6. I/we agree to furnish to BSNL, Deposit at Call receipt/FDR/ Bank guarantee of a Nationalized/ Scheduled Bank for an amount equal to 5% of the contract value in a standard format within two weeks from the date of issue of award letter. I/We agree to keep the performance bank guarantee valid as per the BSNL terms and conditions.
7. 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 to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety or interest of BSNL.

Name of Work : Comprehensive Maintenance of electro Mechanical Services for GSM Sites under DGM (NWO-III).(SW: Providing EI, installation of Rooftop air ventilator and Extension of EB supply to shelter at GSM BTS site Elanthanur, ID:140 after replacement of shelter).

<p>Signature of Witness (required in the cse of bidder's thumb impression is given by the bidder in place of signature) Occupation of Witness :</p>	<p>(Signature of bidder) (Name & Postal address)</p> <p>Seal of Bidder</p> <p>Date:</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------

Acceptance of Tender

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of BSNL for a sum of Rs. _____ (Rupees_____)

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

- a)
- b)

For & on behalf of BSNL

Dated
Signature :

Designation :