

Bharat Sanchar Nigam Limited

(Electrical Wing)

Office of

Executive Engineer (E)
BSNL Electrical Division III,
Ground Floor, Kelleys Telephone Exchange
Kelleys, Chennai-10
Ph.No.044-26474545,26476767

TENDER DOCUMENT

Name of Work :- Replacement of scrapped Automatic Wet Riser System for Haddows Road TE Building, Chennai. (SW: Providing LT cabling and El works)

NIT No. 14/EEE/ED-III/BSNL/CH/21-22

Telephone No. of agency:

Τŀ	nis tender	document	contains	29 pages	(Twenty nine	nages only

	(To be filled in by the Contractor)
Name of the Agency	
Address	

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INFORMATION AND INSTRUCTIONS FOR BIDDERS

The Executive Engineer (Elect), BSNL,ED-III, 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	Replacement of scrapped Automatic Wet Riser System for Haddows Road TE Building, Chennai. (SW: Providing LT cabling and El works)
2	Estimated cost put to tender	Rs.1,91,405/-
3	Earnest Money	Nil*
4	Period of completion	One month
5	Tender Fee(Non- refundable)	Rs.500/- (+) GST 18%=590/-
6	Last date & time for submission of tender	Up to 15:00 Hrs. on 26-07-2021
7	Date and time for opening of tender	15:30 Hrs. on 26-07-2021

ELIGIBILITY CRITERIA

BSNL enlisted contractors in Electrical category of respective class as per their tendering limits

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^{*} In accordance with the instructions contained in Department of Public Enterprises' letter no. DPE/7(04)/2017-Fin. (Part-I) dated 19.11.2020 and MM Cell, BSNL Corporate Office's letter no. BSNLCO-MMT/12(15)/1/2020-MMT dated 05.12.2020, Bid Security (EMD) is discarded and Performance Guarantee is reduced from 5% to 3%. The above changes are applicable for the tenders which are opened upto 31.12.2021. However, a Bid Security declaration shall be given by the Bidder as per Form 'E'.

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)
- 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
 - 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
 - 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

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 26/07/2021 the tender opening date, failing which the tender shall not be
opened.

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BSNL EW-6

Bharat Sanchar Nigam Limited Electrical Wing

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

Item rate tenders on single bid system are invited on behalf of CMD,BSNL for the work of "Replacement of scrapped Automatic Wet Riser System for Haddows Road TE Building, Chennai. (SW: Providing LT cabling and EI works)" 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.

- 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.1,91,405/-** 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 **One 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 **Chennai.bsnl.co.in** at free of cost. The BSNL EW-8 document can be seen from the web site **Chennai.bsnl.co.in** at free of cost.
- 8. The Tender Feein 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.
- 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

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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 **26-07-2021 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.
- **Performance Guarantee:** The bidder is required to furnish Performance guarantee for an amount equal to 3%* 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. In case the bidder fails to deposit the said performance guarantee within the stipulated period, including the extended period if any, BSNL will be at liberty to disqualify the bidder from bidding for any contract with BSNL for a period of one year from the date of disqualification as may be notified by BSNL (without Prejudice to BSNL's rights to claim damages or any other legal recourse.
 - 11. 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.
 - 12. 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.
 - 13. 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.

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^{*} In accordance with the instructions contained in Department of Public Enterprises' letter no. DPE/7(04)/2017-Fin. (Part-I) dated 19.11.2020 and MM Cell, BSNL Corporate Office's letter no. BSNLCO-MMT/12(15)/1/2020-MMT dated 05.12.2020, Bid Security (EMD) is discarded and Performance Guarantee is reduced from 5% to 3%. The above changes are applicable for the tenders which are opened upto 31.12.2021. However, a Bid Security declaration shall be given by the Bidder as per Form 'E'.

- 14. 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.
- 15. 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.
- 16. 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.
- 17. 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.
- 18. 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 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

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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.
- 19. 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.
- 20. 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'**.
- 21. 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.
- 22. 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.
- 23. 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

c. 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.
- 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 Ratein 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 nonadmissible 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 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 or levy in pursuant to the constitution of (Forty sixth amendment) act 1982 give a written notice there of to the Engineer-in-charge that the same is given pursuant to this

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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.

FORM 'A'

Undertaking to abide by EW 6 & EW 8

here and I am aware of all	
(Seal of the firm	(Signature of Bidder)

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FORM 'B'

Undertaking regarding EPF provisions

"IResident ofResident ofhereby 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 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 pricintimation 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
"IResident of hereb 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 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)

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FORM 'C'

Executive Engineer or Equivalent

Performance report of works

Name of Agency
 Name of work
 Agreement no.
 Final Value of Work Done
 Date of start of work
 Actual date of completion
 Performance: Satisfactory / Not Satisfactory

Dated:

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FORM 'D'

No Near relative working certificate

I	Son	/Daughter	ofShri	Resident						
of hereby	certify	that none of	my relative(s)	as defined in the tender						
document is/are employed	l in BS	SNL unit as per	details given in	tender document. In case						
at any stage, it is found th	at the i	information give	n by me is false	/incorrect, BSNL shall have						
the absolute right to take a	he absolute right to take any action as deemed fit/without any prior intimation to me.									
(Seal of the firm)			(Si	ignature of Bidder)						

Bid Security/EMD DECLARATION (As per the BSNL CO Ltr No.

Form 'E'

BSNLCO-

MMT/12(15)/1/2020-MMT dated 05-12-2020)	
BID SECURITY / EMD UNDER	R/o
have read, understood and agree with all the documents for participation in the tender of work hereby undertake and declare that:	terms and conditions included in the tender k/supply of vide tender No do
 If I/We fail to enter in to the agreement & com If any loss or damage caused to or would be of breach by the bidder(s) of any of terms document or by reason of the bidder(s) failure to 	caused to or suffered by the BSNL by reason or conditions contained in the said tender
3. If anything is found false and / or incorrect a time.	nd / or reveals any suppression of fact at any
4. if the bidder either registered with body specific Enterprise or Non MSE bidder claiming any country and subsequently fails to obey any of the contra	ncessional benefits is awarded work by BSNL
I hereby undertake that under any/all the debar our tender offer / cancel the LO suspend/Debar/Ban for a period of one year frodebar my/our firm from any further work/contractor of such order.	om the date of such order/instance. BSNL can

In lieu of EMD/Bid Security, this declaration is submitting.

Date:	Signature of the tenderer
Place :	Name of tendererAlong with date & Seal

^{*} In accordance with the instructions contained in Department of Public Enterprises' letter no. DPE/7(04)/2017-Fin. (Part-I) dated 19.11.2020 and MM Cell, BSNL Corporate Office's letter no. BSNLCO-MMT/12(15)/1/2020-MMT dated 05.12.2020, Bid Security (EMD) is discarded and Performance Guarantee is reduced from 5% to 3%. The above changes are applicable for the tenders which are opened upto 31.12.2021. However, a Bid Security declaration shall be given by the Bidder as per Form 'E'.

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 datedfor the	work
	KNOW
ALL MEN by these presents that WE	OF
having our regis	tered office at
(hereinafter called "the Bank") are bound unt	o (hereinafter
called "the BSNL") in the sum of	
to be made of the said BSNL, the Bank binds presents.	s itself, its successors and assigns by these

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 BSML during the period of Tender validity.
 - (a) Fails or refuses to execute the Contract
 - (b) Fails of the second of the conditions of Tender doc in the conditions of the con

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:

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ANNEXURE II PERFORMANCE SECURITY GUARANTEE BOND

		on of the CMD (herei								
terms	and cond	ditions of an agr	reemen	nt/Advance	e Purch	hase	Order I	No		dated
		made betweer	າ				and _			for the
supply	of			_ (hereina	after c	alled	"the s	aid agree	ement "),	of security
depos	it for the	due fulfilment	by the	said bidde	er (s)	of the	e terms	s and co	nditions co	ontained in
the	said	Agreement,	on	producti	on	of	the	bank	guaran	tee for
				W	ıe,	(n	name	of	the	bank)
			_ (he	ereinafter	refer	to a	as "the	e bank")	at the r	request of
				(bi	dder(s	s)) d	o here	by unde	rtake to p	pay to the
BSNL	an amou	nt not exceedir	ng		al la conf	;	agaınst	any los	s or dama	ge caused
		or would be cau								by the said
Blader	(s) or an	y of the terms o	or cond	itions con	taineu	in th	ie saiu	Agreeme	int.	
2. We	(name o	f the bank)			(do he	ereby u	ndertake	to pay th	e amounts
due a	nd pavab	ole under this g	uarani	tee withou	ut anv	den	nur, me	erely on	a demand	from the
		n of breach by								
		eement or by re								
Any s	uch dema	and made on t	he bar	nk shall b	e con	clusiv	e as r	egards t	he amoun	t due and
		Bank under th								
		oinding on the								e shall be
restric	ted to an	amount not ex	ceedin	g					·	
3. We	undertak	ke to pay to the	BSNL	anv mone	v so d	emar	nded no	otwithsta	nding anv	dispute or
		l by the bidder								
		nal relating th								
unequ	ivocal. T	he payment so	made	by us ur	ıder th	his bo	ond sh	all be va	ılid discha	rge of our
liabilit	y for pay	ment there und	er and	the bidde	er(s)/s	suppli	er(s) sl	hall have	no claim	against us
	-	h payment.								
4 We	lname o	f the bank)					furthe	er adree	that the	auarantee
herein	containe	ed shall remain	in full	force and	l effec	t dur	ina the	e period	that would	1 be taken
		nance of the sai								
		e BSNL under o								
		or discharged								
that th	ne terms	and conditions	of the	said Agre	emen	t hav	e beer	fully or	properly (carried out
by the	e said bio	lder(s) and acc	ordingl	y dischar	ges th	is gu	arante	e. Unless	a deman	d or claim
	_	rantee is made			_				-	
		EARS (as specif		•	the d	late h	nereof,	we shall	be discha	rged from
all liab	oilities und	der this guarant	ee the	reafter.						
5 \//	(name (of the bank)					furth	or agree	with the	BSNL that
	•	I have the fulle								
		bligations here		-						
		to extend time		•	•					
_		any time or fro	•		•					
		d Bidder(s) and			_		-		-	
_		eement and we				-				_
	_	xtension being								-
omissi	on on the	e part of the B	SNL or	any indul	gence	by th	he BSN	IL to the	said Bidde	er(s) or by

Contractor Page 17 of 29 Executive Engineer

Providing LT cabling and EI works)
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 ______ (indicate the name of bank)

Dated the ______ day of ______ (indicate the name of bank)

Name of Work: Replacement of scrapped Automatic Wet Riser System for Haddows Road TE Building, Chennai. (SW:

Contractor Page 18 of 29 Executive Engineer

	HSN						CGST		SGST		IGST		Total
SI No	SAC Code	Description of item	Qty	Rate	Unit	Amount	%	Amount	%	Amount	%	Amount	Amount i/c GST
1	2	3	4	5	6	7	8	9 = (7 x 8)	10	11 = (7 x 10)	10	11 = (7 x 10)	12 = (7 + 9 + 11)
1		Supplying and laying of one number PVC insulated and PVC sheathed aluminium conductor armoured cable of 1.1 KV grade of following size in the existing pipe / Panel Board / cable tray etc. as required.											
a.		3 x 95 sq. mm	5 mtrs		mtr								
b.		3½ x 120 sq. mm	40 mtrs		mtr								
2		Supplying and laying of one number PVC insulated and PVC sheathed aluminium conductor armoured cable of 1.1 KV grade of following size in the existing masonry open duct etc. as required.											
a.		3½ x 120 sq. mm	40 mtrs		mtr								
3		Supplying and laying of one number PVC insulated and PVC sheathed aluminium conductor armoured cable of 1.1 KV grade of following size on wall / floor surface etc. as required.											
a.		3 x 95 sq. mm	5 mtrs		mtr								
b.		3½ x 120 sq. mm	40 mtrs		mtr								

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Name of Work:	: Replacement of scrapped Automatic Wet Riser System for Ha	addows Road	TE Building, C	hennai.	(SW: Provid	ing LT cabl	ng and EI wo	orks)		
4	Providing and fixing of MS cable tray fabricated with the following members i/c cutting, welding, drilling holes, painting etc. as required.									
a.	25 X 25 X 3 mm MS Angle	40 mtrs		mtr						
b.	25 x 3 mm MS Flat	35 mtrs		mtr						
5	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.									
a.	3 x 95 sq. mm	2 nos		Nos.						
b.	3½ x 120 sq. mm	2 nos		Nos.						
6	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	2 nos.		each						
7	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	25 mtrs		mtr						
8	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	10 mtrs		mtr						
9	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									

Name of W	ork: Replacement of scrapped Automatic Wet Riser System for H 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.		uilding, Chennai. (SW: Providing	LT cabling	and EI works)						
a.	Group B	6 Points	point										
10	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.												
a.	20 mm	10 mtrs	mtr										
11	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel / PVC conduit as required.												
a.	3 x 1.5 sq. mm	10 mtrs	mtr										
	Total	Total Estimate cost excluding GST						Total Estimate Cost including GST					

Contractor

Executive Engineer (E) BSNL ED III

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.
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.

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GENERAL SPECIFICATION

- 1) The work shall be done as per current CPWD Specification for Electrical works amended from time to time & Indian Electricity Rules as attended up to date.
- 2) The work shall be supervised by qualified technical staff of the Contractor.
- 3) The layout of the work will be given by the Engineer in charge or his duly authorized representative at the site of work.
- 4) The following wiring shall be done in separate conduits:-
 - A. Power plug wiring.
 - B. Light & Fan point wiring.
 - C. Emergency Light point wiring(AC Supply/DC Supply)
 - D. Telephone wiring.
 - E. Clock wiring.
 - F. AC Unit wiring.
- 5) The number of power plug points, and emergency light points fed from DC supply shall not exceed two per circuit in any of the cases.
- 6) The earthing sets shall be provided in presence of engineer in charge or his authorized representative.
- 7) Sample of all the materials, fittings, accessories, IC switch gears etc., shall be got approved from the Engineer in-charge before using the same on work. The rejected materials shall be removed immediately from the site of work.
- 8) The Contractor will be have to carry out the following tests at his cost and intimate test results before final bills are paid. Nothing extra will be paid to him on this account.
 - a) Earth Test
 - b) Polarity test
 - c) Insulation test
 - d) Earth continuity test of the surface/recessed conduits.
- 9) Any damage done to the building, by the Contractor during the execution of work shall have to be made god at his cost and risk. If he does not do it himself within a reasonable time determined by the Engineer In-charge the same will be got done at his cost departmentally after notice given to him.
- 10) The outlet boxes, IC BOXES for Switches and end of conduits etc. of different types of electrical wiring as mentioned in clauses above shall be painted inside/outside with different colours each signifying the different categories mentioned so as to avoid mixing of various circuits and their wiring and nothing extra will be paid for this.
- 11) At the time of laying conduit pipe in the slab in recess, the contractor should keep fish wire of 16 SWG GI wire throughout conduit pipe and will have to take special care so that the conduit do not cross through AC ducts, grills, etc.
- 12) The contractor should recess the conduits in the walls before they are plastered and in coordination with progress of building works. The conduit should be mechanically and Electrically continues.

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- 13) All the Switch board, SDB and DB shall be clearly sign written indicating the number/type of load/Circuit Nos. etc.
- 14) Under ground cables of both 1.1 KV and 11 KV should be subject to pressure/insulation tests before and after laying the same.
- 15) While making end connections of wore, no strand shall be cut and termination of wire shall be done with necessary lugs without any extra cost.
- 16) The termination of conduits etc. in the junction box should be done by making proper holes instead of cutting the box.
- 17) The Contractor will have to make arrangements to take the materials to site of work at his own risk and cost.
- 18) If any conduits are laid before the award of work, the same shall be recovered at rate mentioned in SR-2016 (Internal) enhanced by abatement of similar items in the tender.
- 19) ALL MATERIALS SHALL BE "ISI" MARKED OR APPROVED BY THE BSNL.

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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
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 / Pilkingston / 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

NOTE:

- 1. The accessories such as CT/PT/measuring instrument/relays provided by approved make in respect of Transformer/HT Panel/DG /AC Package Units as supplied by approved manufacturer along with the equipments are also acceptable in addition.
- 2. Any other makes which are approved by BSNL CO up to the last date of sale of tender can also be used in this contract.

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LIST OF INDIAN STANDARDS

I.S.277	Galvanized steel sheets.
I.S.325	Three Phase Induction Motors
I.S.655	Metal Air Ducts
I.S.732	Code of Practice for Electrical Wiring and fittings for Buildings.
I.S.778	Gun Metal Gate, Globe and Check Valves for general purposes.
I.S.900	Code of Practice for Installation and Maintenance of Induction Motors.
I.S.996	Single Phase small AC and Universal Motors.
I.S.1239	Mild Steel Tubes, G.I. Pipes, Tubular and other wrought steel fittings.
I.S.1248	Direct Acting Electrical Indicating Instruments.
I.S.1520	Horizontal Centrifugal Pumps for clear, cold and fresh water.
I.S.1554	PVC Insulated (heavy duty) Electrical Cables
	(Part-I) for working voltages upto and including 110 volts.
I.S.2372	Timber for cooling towers.
I.S.2516	AC Circuit Breakers.
I.S.2592	Recommendation for Methods of Measurements of Fluid flow by
	means of Orifice Plates and Nozzles.
I.S.1822	Motor Starters of Voltage not exceeding 1000 volts.
	HRC Cartridge Fuse – Links upto 650 volts.
I.S.3589	Electrically welded steel pipes for water, gas and sewage.
I.S.3624	Bourden Tube Pressure and Vacuum Gauges.
I.S.4047	Heavy Duty air break switches and composite units of air break
	switches and fuses for voltage not exceeding 1000 volts.
I.S.6392	Steel Pipe Flanges.
I.S.7403	Code of Practice for Selection of Standard Worm and Helical Gear
	Boxes.
I.S.8148	Specification for packaged air conditioning.
CPWD	General Specifications for Heating, Ventilation & Air conditioning (HVAC)-2004

IMPORTANT NOTE

All references to I.S.I. appearing in this specification may be read as Bureau of Indian Standards, Latest amended versions.

LIST OF SAFETY STANDARDS

1.5.618	Code of Practice for safety and health requirements in Electrical and
	Gas Welding and Cutting Operations.
I.S.659	Safety code for Air Conditioning.
I.S.660	Safety code for Mechanical Refrigeration.
I.S.3016	Code of Practice for Fire precautions in welding and cutting operations.
I.S.3210	Code for Safety procedures and practices in Electrical works.
I.S.3696	Safety for Scaffolds and Ladders.

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 Nil

the work, if any: SCHEDULE 'E'

Schedule of components of Materials, Labour etc. for

escalation:

SCHEDULE 'F'

Reference to General Conditions of contract:

Name of work:	
Estimated cost of work:	As nor NIT notification nage
Earnest money:	As per NIT notification page
Security Deposit and performance Guarantee	

Nil

General Rules & Directions: Officer inviting tender: Executive Engineer (E)

Electrical Division-III Chennai

Definitions:

Engineer-in-Charge Executive Engineer (E) 2(v)

Electrical Division-III Chennai

2(vi) **Accepting Authority** Executive Engineer (E)

Electrical Division-III Chennai

Percentage on cost of materials and labour 2(x)

to cover all over heads and profits

10% (TEN)

CLAUSE 5

Time allowed for execution **One Month**

Authority to give fair and reasonable extension

EE(E),ED-III,Chennai of time for completion of work: SE(E), EC-II, Chennai

Competent Authority for deciding reduced rates:

Clause 25

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

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BSNL EW-8

Bharat Sanchar Nigam Limited Electrical Wing

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

- 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.
- 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 to reject the work and disqualify us from bidding for any contract with BSNL for a period of one year from the date of disqualification as may be notified by BSNL (without Prejudice to BSNL's rights to claim damages or any other legal recourse
- 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 therefrom 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.

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of th	f bidde ne bidde	r's thu er in pl		ressioi signatu	ed in the case n is given by ıre)					bidder) I address	s)			
								Se	al of I	Bidder				
						Date	<u>:</u>							
					<u>Accept</u>	ance o	of Ter	<u>ıder</u>						
The	e above	tende	r (as mo	odified	by you as pr				s mer	ntioned h	ereun	der) is	accept	ed
by	me	for	and	on			SNL	for	а	sum	of	Rs.		_
(Rup	ees										_)			
The	letters	referre	d to bel	ow sha	all form part o	of this c	ontra	ct Agre	eemer	nt.				
a)														
b)														
								For 8	on b	ehalf of	BSNL			
D	ated							Signat	ure :					

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Designation: