

# **Bharat Sanchar Nigam Limited**

(Electrical Wing)

Office of

Executive Engineer (E)
BSNL Electrical Division I,
Ground Floor, Kellys Telephone Exchange
Kellys, Chennai-10
Ph.No.044-26470405
Fax:26470406

#### **TENDER DOCUMENT**

Name of work: Comprehensive AMC of (4+1) 7TR PAC Units at OCB Exch, CTX Bldg Flower bazaar,

Chennai. (For year 2020 -21) (SW: AMC of PAC units)

NIT No.: 21 /EEE/ED-I/BSNL/CH/2020-21

**Date of opening:01-09-2020** 

This tender document contains 33 pages only

	(To be filled in by the Contractor)
Name of the Agency	
Address	
Telephone No. of agency:	
E-mail ID :	

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# **INFORMATION AND INSTRUCTIONS FOR BIDDERS**

The Executive Engineer (Elect), BSNL,ED-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	Name of work: Comprehensive AMC of (4+1) 7TR PAC Units at OCB Exch, CTX Bldg Flower bazaar, Chennai.(For year 2020 -21) (SW: AMC of PAC units)
2	Estimated cost put to tender	Rs. 193216/-(Excl. GST)
3	Earnest Money	Rs.3864/-
4	Period of completion	One Month
5	Tender Fee(Non- refundable)	Rs.500 (+) 18% GST=Rs 590/-
6	Last date & time for submission of tender	Up to 15:00 Hrs. on 01.09.2020
7	Date and time for opening of tender	15:30 Hrs. on 01.09.2020

#### **ELIGIBILITY CRITERIA**

The Contractors satisfying the following conditions:

Average annual turnover during the last 3 years, ending 31<sup>st</sup> March of the previous financial year, should be at least 30% of the estimated cost put to tender.

AND

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

OR

3 Experience of having successfully completed similar works in BSNL comprising of Electrical Installations as part of scope of work during last 7years ending last day of month previous to the one in which applications are invited, should be either of the following:

Three similar successfully completed works costing not less than the amount equal to 40% of the estimated cost put to tender.

ЭR

Two similar successfully completed works costing not less than the amount equal to 60% of the estimated cost put to tender.

OR

One similar successfully completed work costing not less than the amount equal to 80% of the estimated cost put to tender.

Similar works means AMC/maintenance/repair of High precision air conditioners/ package Air conditioners

# 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.

- 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 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

Name o	of work :	Comp	prehensive	AMC	c of (4+1	) 7TR	PAC	Units a	at OCB	Exch,	CTX	Bldg ]	Flower
bazaar,	Chennai.	For y	ear 2020 -2	21) (S	W: AM	C of P.	AC ur	nits)					

# 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.

#### **BSNL EW-6**

Bharat Sanchar Nigam Limited Electrical Wing

Electrical Division: **ED-I,Chennai** Sub Division: **ESD-VI,Chennai** 

Item rate tenders on single bid system are invited on behalf of CMD,BSNL for the work Name of work: Comprehensive AMC of (4+1) 7TR PAC Units at OCB Exch, CTX Bldg Flower bazaar, Chennai.(For year 2020 -21) (SW: AMC of PAC units) 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.193216/-**(**Excl.GST**) 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 10<sup>th</sup> 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 <a href="Chennai.bsnl.co.in">Chennai.bsnl.co.in</a> at free of cost. The BSNL EW-8 document can be seen from the web site <a href="Chennai.bsnl.co.in">Chennai.bsnl.co.in</a> 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.
- 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 01/09/2020 up to 3:00 PM and the bid submitted hall 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.
- 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 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.
- 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

#### 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.
- 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 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 levyin 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.

# FORM 'A'

# Undertaking to abide by EW 6 & EW 8

	Son/Daughter of
	Resident of
	hereby give an undertaking that I have read the complete bid
	e 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)

#### FORM 'B'

Undertaking regarding EPF provisions									
"I	Son /Daughter of								
	hereby give an undertaking that								
	I/We have employed only persons in our establishment and hence the EPF and ellaneous 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".

(Seal of the firm) (Signature of Bidder)

### **Undertaking regarding ESI provisions**

	Son of				
ereby give an undertaking that					
		Resident of	Resident of	Resident of	Resident ofereby 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".

(Seal of the firm) (Signature of Bidder)

<sup>\*</sup> strike out whichever is not applicable

<sup>\*\*</sup>Attach a self-attested photo copy of the above said EPF registration certificate.

<sup>\*</sup> strike out whichever is not applicable

<sup>\*\*</sup>Attach a self-attested photo copy of the above said ESI registration certificate.

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

(Signature of Bidder)

(Seal of the firm)

#### 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					(hereinat	ter calle	ed "th	ne bidder(s)") has subi	mitted
its Tender	dated	fo	r the wo	ork	`			(	
								KNOW	ALL
MEN by	these	presents	that	WE					OF
			having	our	registered	office	at		
(hereinafte	r called	"the Bank"	) are b	ound ι	unto			(hereinafter	called
"the BSNL	") in the	sum of			for whi	ch paym	nent	will and truly to be ma	ade of
the said BS	SNL, the	Bank bind	s itself,	its suc	cessors and	assigns	by t	hese 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:

# ANNEXURE II PERFORMANCE SECURITY GUARANTEE BOND

In	consideration of			•		,	•	•	•
	ditions of on on		ereinafter calle						
CON	nditions of an ag	reemen	v Advance Pu	rchase Orde	I INO		Q	aled	
ma	de between		/l <b> </b>	and			10	r the	supply of
£1£:	:		_ (hereinafter						
TUITI	ilment by the sa	ala bidae	er (s) or the	terms and co	onaitions	containe	a in the s	sald Agre	ement, on
pro	duction of the bank)	ank gua	rantee for	l		"41	I I-27\	we, (n	ame of the
ban	1K)		(	nereinaiter	reier to	as the	e bank)	at the	request of
amo	ount not exceed	ing	and by DONI	agains					suffered or
	uld be caused to		•	•	i any bre	ach by the	e said bid	ider(s) or	any or the
terr	ms or conditions	containe	ed in the said	Agreement.					
2 1/	No (nome of the	hank)		de	horoby	undortoko	to pov th	a amaur	sta dua and
Z. V	We (name of the	Dank)_	oo without on	u	nereby	underlake	from the	ne amour	its due and
	able under this								
	ach by the said								
	son of the bidde								
	all be conclusive								
	decision of BSI					-			-
una	der this gu	ıarantee	snall t	e restricti	ea to	an	amount	not	exceeding
disp tribuson bido 4. V con peri BSI disc	We undertake to putes raised by unal relating the made by us under (s)/supplier(s)  We(name of the stained shall relations formance of the NL under or by charged or till	the biddereto our er this be shall have bank) main in said ag virtue	der(s)/supplie liability under ond shall be verave no claim a full force areement and of the said A	r(s) in any s this present alid discharge against us for deffect du that it shall c greement ha (off	uit or prost to being at e of our lime furter to the continue to the electrical exercises. The electrical exercises are seen to the electrical exercises are seen to the electrical exercises. The electrical exercises are electrical exercises are electrical exercises are electrical exercises. The electrical exercises are electrical exercises are electrical exercises and electrical exercises are electrical exercises.	oceeding osolute are ability for such payre ther agree period the been foully paid.) BSNL	pending of the pending payment payment.  The that the pat would reable to the pending and its certifies of the pending payment.	before any vocal. The there under the takes all the claims states that the	ny court or ne payment der and the ntee herein ten for the dues of the satisfied or terms and
acc in w	nditions of the sa cordingly dischar writing on or before date hereof, we	ges this ore the e	guarantee. U xpiry of TWO	nless a dema /TWO AND F	and or cla IALF/THI	im under REE YEA	this guara RS (as sp	antee is r pecified ir	nade on us
sha here peri any the by forb Bide	We (name of the all have the fullest eunder to vary formance by the roof the powers exterms and condition reason of any bearance, act or der(s) or by any for this provision	st liberty any of any of said bio exercisal itions re such v omissio such m	without our of the terms are dder(s) from to be by the BSN lating to the sariation, or each atter or thing	nd conditions ime to time of the against the aid agreeme extension being the ball whatsoever	without a of the sor to post e said Bio nt and wi ing grant IL or any	affecting in said Agreed pone for a color of the color of	n any man eement of any time of to forbe t be relieve e said B nce by the	nner our r to exte or from t ear or enf ved from idder(s) e BSNL	obligations of time to time to time force any of our liability or for any to the said

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Bidder(s)/supplier(s).

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the

Name of work: Comprehensive AMC of (4 bazaar, Chennai.(For year 2020 -21) (SW: A	4+1) 7TR PAC Units at OCB Exch, CTX Bldg Flower MC of PAC units)
7. We (name of the bank) during its currency except with the previous	
Dated the da	ay of
for	(indicate the name of bank)

					AMC of		ts)						
Sl.no	Description of Item	Qty	Unit	Rate per Unit excluding GST	Total Amount Excluding GST (Net cost)	CGST		SGST		IGST		Total Amount including GST	HSN/SA C code
					,	%	Amount in Rs	%	Amount in Rs	%	Amo	unt in Rs	
							Rs.		Rs.		Rs.	Rs.	
1	2	3	4	5	6	7	8=Col. (6 x 7)	9	10=col.(6 x 9)	11	12=col.( 6*11)	13=col. (6+8+10+12)	14
1	Carrying out routine Maintenance of 5x7TR Precision type package AC plant (for 5Nos of units) by deploying the specialized manpower on the monthly visits i/c arranging required tools and plants, quarterly water washing the condenser unit etc., to keep all the air conditioners operational upto	12mon ths	month										

Name of work. Compr	chensive i	AIVIC OI	(4+1)/11	TAC UII.	ns ai O	ob Excii,	CIAD	lug Flower	Dazaai
(SW: AMC of PAC units	s)								
the standards as									
per the									
specifications etc.									
complete as									
required. (Make:									
7TR Stulz make									

522. (Note: The agency is required to visit the PAC plant once **MONTHLY** 

PAC Model ZR94KCE-TFD-

and obtain

necessary service reports from the user concerned. In addition to this skilled personnel should be made available at site on any

emergency for attending the faults as on when required. Spares

and consumables will be paid extra as per the quoted listed below)
Note: The Agency is required to quote the optional items

listed which shall

(SW: AMC of PAC units)

(SW.	AMC OF PAC units	)						
	be utilised as per							
	requirement							
	during the AMC							
	period.							
	,							
		2: 1	• •					
2	Pressure testing	2job	job					
	of existing 7TR							
	precision type							
	PAC unit by							
	complete purging							
	of the refrigerant							
	system,							
	vaccumizing the							
	system, and							
	exposing the							
	system to							
	appropriate							
	pressure with							
	Nitogen gas on							
	both suction and							
	discharge sides of							
	compressor for							
	48 hours, and							
	checking the							
	system for for any							
	leakage, arresting							
	any the leakage							
	by necessary							
	bracing,							
	vaccumizing etc							
	as reqd.(Note:							
	Warranty for six							
	months shall be							

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(~	THITE OF THE CHINES	7								
	extended by the agency for the welding / bracing undertook by the agency for this item)									
3	Supply and filling of fresh R-22 / R407A refrigerant in the existing refrigerant system of the PAC unit etc as reqd	120kgs	mtr							
4	Supply and fixing condenser axial flow fan 230V, 4E 450mm / 4E 500mm suction type in the existing condenser arrangement i/c pdg necessary supports etc as reqd.	8nos	each							
	total Ex. GST Rs					total i	/c. GST Rs			

Contractor Executive Engineer(E)

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Contractor Page 23 of 33 Executive Engineer

Na	Name of work: Comprehensive AMC of (4+1) 7TR PAC Units at OCB Exch, CTX Bldg Flower bazaar, Chennai. (For year 2020 -21) (SW: AMC of PAC units)												
	Optional Items				,								
SI n o	Description of Item		Unit	cluding GST	Excluding cost)	C	GST		SGST	I	GST	cluding GST	code
				Rate per Unit excluding GST	Total Amount Excluding GST (Net cost)	%	Amou nt in Rs	%	Amount in Rs	%	Amount in Rs	Total Amount including GST	HSN/SAC code
							Rs.		Rs.		Rs.	Rs.	
1	2	3	4	5	6	7	8=Col. (6 x 7)	9	10=col.(6x 9)	11	12=col.( 6*11)	13=c ol. (6+8+ 10+12	1 4
1	Supply and fixing of liquid line drier for 7TR precision type PAC unit i/c removing the faulty drier complete etc as reqd.	1no.	mtr									,	
2	Supply and fixing 415V, 50Hz, scroll type compressor suitable to work with R22 / R407A refrigerant, i/c debracing the existing compressor arrangement and rebracing the new compressor complete etc as reqd. (Make: Emerson copeland, Model: ZR108 KC TFD 522)	1no.	each										
	total Ex. GST Rs total i/c. GST Rs										]		

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Contractor Page 24 of 33 Executive Engineer

### **MPORTANT 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 <b>Net cost to BSNL</b> on the prices offered inclusive of packing, forwarding, freight and insurance charges etc., <b>but excluding GST</b>
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.

#### **SPECIFICATIONS FOR EI & FANS**

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.

The work shall be supervised by qualified technical staff of the Contractor.

The layout of the work will be given by the Engineer in charge or his duly authorized representative at the site of work.

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.

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.

The earthing sets shall be provided in presence of engineer in charge or his authorized representative.

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.

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.

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.

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.

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.

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.

All the Switch board, SDB and DB shall be clearly sign written indicating the number/type of load/Circuit Nos. etc.

Under ground cables of both 1.1 KV and 11 KV should be subject to pressure/insulation tests before and after laying the same.

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.

The termination of conduits etc. in the junction box should be done by making proper holes instead of cutting the box.

Rs.1/- per empty box for the ceiling fans, fittings and other items supplied by the Department will be recovered from Contractor irrespective of the size of box.

The Contractor will have to make arrangements to take the materials to site of work at his own risk and cost.

If any conduits are laid before the award of work, the same shall be recovered at rate mentioned in SR-94 (Internal) enhanced by abatement of similar items in the tender.

ALL MATERIALS SHALL BE "ISI" MARKED OR APPROVED BY THE BSNL.

# **Specification for A/C works**

- 1. The work shall be done as per latest C.P.W.D. specifications for electrical works and Indian Electricity Rules as amended from time to time.
- 2. The layout of the work, will be given by the Engineer-in-charge or his duly authorized representative, at site of work.
- 3. The work shall be done in accordance to schedule of work and specification.
- 4. Any damage to the building during execution of the work shall have to be made good by the contractor at his own cost and risk.
- 5.The contractor shall arrange all tools and plants for execution of work and nothing extra will be paid on this account.
- 6.All material shall be provided as per department product list/ specification unless otherwise specified or as approved by engineer in charge
- 7. Pressure test, vacuum test and performance test of compressor for two days shall be done in presence of engineer in charge or his authorized representative and test report shall be submitted along with bill.
- 8. Original bill / invoice of the compressor shall be produced at the time of payment.
- 9. The warranty period of compressor shall be one year from date of successful performance test.
- 10.All the electrical works shall confirm to various standards amended up to date wherever applicable.
- 11.It is contractor's liability to follow all safety procedures in accordance with relevant I.S. amended up to date during execution of work at site.
- 12.Materials provided by the contractor shall be of makes already existing at site. If any change is required, the EE (E) based on approved product list of department shall approve the same
- 13. The agency will provide the workers with necessary T&P, Testing and safety equipments.
- 14Agency has to observe all the labour rules and regulations in force.

# 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(lcs=lcu)	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

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

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

Electrical Sub Division-VI, Chennai

Definitions:

2(v) Engineer-in-Charge Executive Engineer (E), ED-I, Chennai

2(vi) Accepting Authority EE (E), BSNL Electrical Division -I, Chennai

2(x) Percentage on cost of materials

and labour to cover all 10%(TEN)

overheads and profits

**CLAUSE 5** 

Time allowed for execution Two Months

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.

#### **BSNL EW-8**

# Bharat Sanchar Nigam Limited Electrical Wing

Electrical Division: ED-I, Chennai Sub Division: ESD VI, Chennai

- 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.
- 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.

bazaar, Chennai.(For year 2020 -21) (SW: AMC of PAC units) (Signature of bidder) Signature of Witness (required in the case (Name & Postal address) of bidder's thumb impression is given by the bidder in place of signature) Occupation of Witness: Seal of Bidder Date: **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 sum of Rs. (Rupees\_ The letters referred to below shall form part of this contract Agreement.

a) b)

Dated

Name of work: Comprehensive AMC of (4+1) 7TR PAC Units at OCB Exch, CTX Bldg Flower

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For & on behalf of BSNL

Signature:

Designation: