

## ADDITIONAL TERMS, CONDITIONS & SPECIFICATIONS (ATC)

Name of Work:	SITC of 78 Nos. 5 Star rated Inverter type Split Air Conditioning system for various Exchanges / RSUs under GM (North), GM (Central)& GM (West), Chennai
Time allowed for Completion:	Three months

**IMPORTANT NOTE:** In case of any discrepancies between the clauses in this ATC and those appearing elsewhere in the bid document, the clauses of this ATC shall prevail.

### **Clause no 1 Eligibility Criteria: -**

**1.1 General :** The Contractors satisfying the following shall be eligible to bid.

#### **(a) Financial Norms:**

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

**AND**

#### **(b) Physical Norms:**

1) Manufacturers of Split Air-conditioners of 1.5TR and above capacity

**OR**

2) Dealers authorized by Manufacturers of Split Air-conditioners of 1.5TR and above capacity. The letter of authorization in original from the manufacturer will have to be produced by the dealers.

**OR**

3) Experience of having successfully completed similar works in Central Government/State Government / Central Autonomous Body / Central Public sector Undertaking during last 7 years 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

**OR**

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.

### **Important Note 1:**

- 1) Similar work stands for "Supplying, installation, testing, commissioning of Split Air-conditioners of capacity not less than 1.5 TR"
- 2) **Only Class-I Local Supplier as defined under the Revised Public Procurement (Preference to Make in India) order 2017, issued vide DPIIT Order No. P45021/2/2017-PP (BE-II) dated 16.09.2020 shall be eligible to bid.** All rulings w.r.t. Local content shall be as per the above cited order. The bidders offering imported products will fall under the category of Non-Local suppliers. The bidders can't claim themselves as Class-I Local supplier/ ~~Class-II Local suppliers~~ by claiming the services such as transportation, insurance, installation, commissioning, and after sales service support like AMC/ CMC etc. as local value addition. Bidders are required to submit declaration in the format as per clause 5 of this document.

- 1.2 The Seller shall possess and **upload** the following documents over and above that mentioned in Buyer added Specific Additional Terms and Conditions of the GeM BID document :-
- a) Certificate(s) showing fulfillment of the eligibility criteria(s) stated in **Clause no 1** of ATC (both financial and Physical norms)
  - b) EMD in prescribed form as per **Clause no 4** of ATC.
  - c) Self-Certification under Preference to “MAKE IN INDIA” Policy (To be typed on Firm’s letter head as per **Clause No.5** of ATC.)
  - d) Near-Relationship Certificate duly filled and signed as per **Clause No. 6** of ATC
  - e) Self-Certification to “BORDER COUNTRIES” Policy (To be typed on Firm’s letter head as per **Clause No.7** of ATC)
  - f) Vendor information form as per **Clause No. 8** of ATC
  - g) Self - Declaration about GST % considered by the Seller for this BID since price quoting in GeM is inclusive of Tax.
  - h) Self-declaration by the firm for not blacklisted by GST authorities and Mentioning of multiple GST numbers, if available
  - i) Undertaking to abide by BSNL EW 8 as given in **Clause no 10** of ATC
  - j) Compliance statement as given in **Clause No 11** of ATC
  - k) Attested copy of EPF and ESI Registration along with undertaking as per **Clause no 12** of ATC
  - l) Manufacturer’s authorisation letter [if applicable]
  - m) Technical specifications as per **Clause no 13** (Format as per **Annexure IV**)
  - n) **Proof for Clause No. 18 ( Functional Service Centre in the City/State (Chennai/Tamilnadu)**
- 1.3 The bidders shall submit and upload necessary documentary proof showing that they meet the eligibility criteria and during tender process, BSNL’s tender inviting authority may require the bidder to produce original copy of any document submitted as scanned copy, which the bidder will have to comply with along with bid.
- 1.4 Bidder's offer is **liable to be rejected** if they fail to upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any, on or before the time given for responding to the clarifications sought by the buyer.

**Important Note2 :**

The eligibility of the agency is subject to the restrictions under Rule 144(xi) of the General Financial Rules (GFRs), 2017, as circulated vide Department of Public Enterprises, Ministry of Heavy Industries & Public Enterprises, Government of India, O.M. No. DPE/7(4)2017- fin. (Part-I) dt 30.07.2020. The bidder company must comply with the restrictions under Rule 144(xi) of the General Financial Rules (GFRs) 2017 of Govt of India. Any bidder, from a country which shares land border with India will be eligible to bid if the bidder is registered with the competent authority as specified in Annexure-I of O.M. No. 6/18/2019-PPD Dated 23.07.2020 from Department of Expenditure, Ministry of Finance. The bidders shall submit an undertaking as per Section-7(L) in this regard.[For details F. No. 6/18/2019-PPD Department of expenditure Public procurement Division dated 23rd July 2020 may be referred.]

**Clause No 2 : Payment terms:**

- a) **75%** of prorata of the approved price breakup of contract value on receipt of equipment at site and after satisfactory physical inspection.
- b) **25%** of prorata of the approved price breakup of contract value after successful installation and

commissioning of the equipment.

**Note :**

- (i) For claiming the payment the agency shall produce GST invoice, Delivery Challan / E-way bill, Consignee receipt.
- (ii) In cases where shortages/ damages are intimated to the supplier in writing, the balance payment shall be released only after the cases are settled in accordance with the provision of the P.O.
- (iii) No payment will be made for goods rejected at the site on testing. Payment, if made, for such items shall be recovered from subsequent bills or other bills.

**Clause No 3 a) Consignees :**

**Delivery : Various BSNL locations under BSNL Chennai Telephones area. Tentative consignee list is attached as per Annexure I, but BSNL reserves the right to change the delivery location and/or quantity based on the need and requirement, and the supplier shall comply without any extra cost.**

Sl. No	Name of site	Site Address	Qty	PIN Code	Site in charge/ Consignee
As per Annexure I					

**Clause 3 b) Engineer In Charge**

Respective Executive Engineers (E) under whom the work is to be executed will be the Engineer In Charge. Engineer In Charge's decision is final and binding.

**Clause no 4 :Earnest Money Deposit**

The bidders shall submit EMD as below:

- (a) An amount of **INR shown in the GeM Bid document** as EMD in favour of **"BSNL Chennai Telephones "** payable at Chennai required to be submitted by bidders in the form of CDR / FDR / BG (**Bank Guarantee of a scheduled Bank or Nationalized Bank / State Bank guaranteed by Reserve Bank of India** on GeM portal, in the prescribed format as per **Annexure – II**)
- (b) Scanned copy of the same shall be uploaded by Seller in the online bid and Originals of bank instruments such as CDR / FDR / BG towards EMD / Bid Security (if not submitted through e-payment mode), shall be submitted by bidder on **any date before or within 5 days of bid submission end date** failing which the bid shall be rejected.
- (c) 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 120 days from the date of opening
- (d) Categories of Sellers to be exempted from furnishing EMD shall be as per the GeM General Terms and conditions (GTC) of the bid.
- (e) EMD submitted by the bidder shall be forfeited, if the bidder:
  - i. Withdraws or modify or impairs or derogates from the bid in any respect within the period of validity of its bid; or
  - ii. If it comes to notice that the information / documents furnished in its bid is false, misleading or forged; or

- iii. Fails to furnish requisite performance security / PBG within stipulated time required as per e-bid / RA conditions.
- (f) Notwithstanding above, GeM SPV / GeM Admin also reserve the right to debar such seller from GeM portal. Such debarment shall be for minimum 3 months initially on first such offence and on repeat offense, the debarment period can be increased suitably by GeM SPV / GeM Admin. By submitting a bid on Gem, the Bidder explicitly undertakes to abide by the above clause.
- (g) Earnest money of unsuccessful bidders shall be returned within 15 days after the award of contract or expiry of bid validity whichever is earlier. Earnest money of the successful bidder shall be returned within 15 days after receipt of Performance Security / e-PBG.
- (h) **Account details of AO CASH for online payment**

Beneficiary Account Name	BSNL CHENNAI TELEPHONES
ADDRESS	O/o CHIEF GENERAL MANAGER CHENNAI TELEPHONES, No 78, Purasawalkam High Road, Chennai
PAN	AABCB5576G
Type of Account	CURRENT ACCOUNT (COLLECTION)
Beneficiary Account Number	067521010000011
Beneficiary Bank IFSC code	UBIN0906751
Beneficiary Bank Name	UNION BANK OF INDIA
9 –DIGIT MICR	600026140
Beneficiary Bank Branch Name	Union Bank of India, Anna Salai Branch, Chennai
Beneficiary Bank Address     1	No 102, Anna Salai Branch, LIC Building Ground Floor, Chennai - 2

**Note :-** *The Seller shall ensure that the Account, Billing details and the GST number entered are correct, before invoicing for the item(s).*

**Clause No 5 :**

Self-Certification under Preference to “MAKE IN INDIA” Policy (To be typed on Firm’s letterhead)  
.Format for Self-Certification under Preference to “MAKE IN INDIA” Policy

**CERTIFICATE**

In line with the Government Public Procurement Order, No. P-45021/2/2017-BE-II dt. 15.06.2017, P-45021/2/2017-PP(BE-II) dtd 16/9/2020 as amended from time to time and as applicable on the date of submission of tender, we hereby certify that we M/s\_\_\_\_\_ (supplier name) are Class I local supplier meeting the requirement of minimum Local content 50% as defined in above orders for the goods / services / works offered against Tender No\_\_\_\_\_. Details of location at which local value addition will be made is as follows: -----

We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1) (i) (h) of the General Financial Rule for which for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

Seal and Signature of Authorized Signatory

**Clause No. 6 :CERTIFICATE TOWARDS NEAR-RELATIONSHIP**

- i. The bidder should give a certificate that none of his/ her near relative, as defined below, is working in the units where he is going to apply for the tender. In case of proprietorship firm certificate will be given by the proprietor. For partnership firm certificate will be given by all the partners and in case of limited company by all the Directors of the company excluding Government of India/ Financial institution nominees and independent non-Official part time Directors appointed by Govt. of India or the Governor of the state and full time Directors of PSUs both state and central. Due to any breach of these conditions by the company or firm or any other person the tender will be cancelled and Bid Security will be forfeited at any stage whenever it is noticed and BSNL will not pay any damage to the company or firm or the concerned person.
- ii. The Company or firm or the person will also be debarred for further participation in the concerned unit.
- iii. The near relatives for this purpose are defined as:-
  - a. Members of a Hindu undivided family.
  - b. They are husband and wife.
  - c. The one is related to the other in the manner as father, mother, son(s) & Son's wife (daughter in law), Daughter(s) and daughter's husband (son in law), brother(s) and brother's wife, sister(s) and sister's husband (brother in law).
- iv.
- v.

vi. The **format of the certificate** is given below.

**NEAR-RELATIONSHIP CERTIFICATE**

**(To be typed on Firm's letter head)**

**(Format of the Certificate by the bidder in respect of status of employment of his/ her near relation in BSNL)**

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

**Signature of the tenderer**

With date and seal

**Clause No 7 :BORDER COUNTRIES FORM:**

**CERTIFICATE OF UNDERTAKING BY BIDDERS**

**Certificate to be submitted by Bidders**

**(On Company's Letter Head)**

**Reference 1: BSNL Tender Enquiry No.....issued on .....**

**Reference 2: Department of Expenditure Office Memorandums (OMs) No. 6/18/2019-PPD dated 23<sup>rd</sup> July 2020 and its Clarification dated 24/07/2020.**

I, in capacity of authorized signatory of M/s..... having Regd. office at.....being a participant bidder in BSNL T.E cited at reference 1 above, hereby declare that I have read and understood the clause regarding Restrictions under Rule 144(xi) of the General Financial Rules (GFRs) 2017 on grounds of Defense of India and National Security issued vide OM cited at reference 2 above, on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries.

I, hereby, further certify that our Company is not from such a country which shares a land border with India and in light of conditions & restrictions imposed vide cited OMs, we fulfill all the requirements in this regard to become eligible to be considered in the subject Tender Enquiry by BSNL.

(Name of the authorized signatory)

Signature

Designation in Company

Seal / Stamp of Company

**Clause No 8.VENDOR INFORMATION FORM.**

The required vendor details for processing of bills in the format (Annexure A) under GST regime shall be furnished to the Executive Engineer (E) concerned before execution of agreement.

**(GST-Annexure-A)**

<b>VENDOR INFORMATION FORM</b>				
Vendor name (Legal Entity Name)				
Constitution of business				
Communication address				
State				
PAN				
Vendor type :				
GST registration Number.				
Existing tax registration number (Please specify)				
Contact Person				
Designation				
Telephone Number				
Fax No.				
Email-ID				
<b>BANK DETAILS</b>				
Name of Bank				
Name of Branch				
Swift Code				
Account Number				
Account Name				
<b>Provide the following information for all GST registrations :</b>				
Total no. of GST Registration (pan India)				
<b>For each of the registration, kindly provide the following information</b>				
<b>REGISTRATION FOR STATE-1</b>				
Date of registration		GSTIN/UIN Number		
Registered address				
PIN Code			<b>State name</b>	<b>State code</b>
Composition scheme availed				
Declaration by :		Name :		
		Designation:		
		Date :		
<b>Note : In case you have multiple registration, please insert the details in additional page.</b>				

**Clause No 9 .PERFORMANCE SECURITY FOR SUPPLY & ITC:**

- (i) **Performance Guarantee:** The bidder (including MSEs who are registered with the designated MSME bodies, like National Small Scale Industries Corporation etc. ) 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. **The validity period of the performance security in the form of performance bank guarantee / CDR / FDR shall be: One year from the date of actual completion of work.** The award letter ( PO) shall be issued only after receipt of the performance guarantee. 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).
- (ii) **Security Deposit:** In addition to Performance guarantee stated above, a sum @ 10% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum 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 of One year from the date of actual completion of work.**
- (iii) The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the supplier's failure to complete its obligations under the contract.
- (iv) The performance security Bond shall be in the form of Bank Guarantee issued by a scheduled Bank and in the proforma provided in **Annexure - III**
- (v) The performance security Bond and security deposit will be discharged by the Purchaser after completion of the supplier's performance obligations including any **warranty obligations** under the contract.

**Clause No 10. Undertaking to abide by EW 6 & EW 8**

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

(Seal of the firm)

(Signature of Bidder)

The BSNL EW-8 document can be seen from the web site [www.tamilnadu.bsnl.co.in/BSNL EW 8 12072018.pdf](http://www.tamilnadu.bsnl.co.in/BSNL_EW_8_12072018.pdf) at free of cost.



**Clause No 11 : COMPLIANCE STATEMENT**

**Ref: GeM bid no:** .....

We..... (name of the firm) state to comply in full manner with all the General Terms and conditions , Specific Terms and conditions and Additional terms and conditions of the Tender Document for the work of **“SITC of 75 Nos. 5 Star rated Inverter type Split Air Conditioning system for various Exchanges/RSUs in FBR/KAL/HBR divisions under North OA, Chennai”** without any reservation and deviation.

For and on behalf of (Name of Firm)

(Seal of the contractor /Company /Firm)

(Signature of contractor/Authorized Signatory)

(Postal address)

Dated.....

**Clause No 12 Undertaking regarding EPF provisions**

"I..... Son / daughter of .....  
.....Resident of .....  
..... here by give an undertaking that,

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".

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

(Seal of the firm)

(Signature of Bidder)

### **Undertaking regarding ESI provisions**

"I..... Son of .....  
.....Resident of .....  
..... here by give an undertaking that

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".

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

(Seal of the firm)

(Signature of Bidder)

### **Clause No 13:TECHNICAL SPECIFICATIONS (AS per GeM Bid)**

The tenderer shall furnish the technical literature and catalogues of the equipment offered at the time of submission of tenders as per **Annexure-I**

### **Clause No 14:Scope of work:**

The work shall be carried out as per relevant BIS/ CPWD General Specifications. Wherever any specific technical specifications is mentioned in this documents, the same will prevail

### **Clause No 15:Warranty:**

- (i) UNIT warranty i/c PCB - minimum 12 months
- (ii) Compressor warranty – minimum 10 years

**Note -.** The Seller shall submit relevant documents for availing warranty as above along with complete address and contact telephone number to the consignee.

**Clause No. 16:SCHEDULE**

**Name of Work: - SITC of 78 Nos. 5 Star rated Inverter type Split Air Conditioning system for various Exchanges / RSUs under GM (North), GM (Central)& GM (West), Chennai**

SI No	Item	Qty	Rate i/c GST	Unit	Amount
1	Supplying Installation Testing and commissioning of 1.5 TR High wall inverter type split AC unit, 5 star as per BEE star rating, minimum (ISEER) of 5.0 with temperature control thermistor, remote control unit, filters, rotary / scroll type compressor, copper tubes for both indoor and outdoor unit and supplying the following up to the length of 3 mtrs (1) hot and cold refrigerant piping each and (2) suitable connecting electrical cable between indoor and outdoor unit (3) adequate PVC drain pipe of suitable size i/c transportation, loading, unloading, providing and fixing heavy duty readymade powder coated frame for installing outdoor unit, topping up of refrigerant gas if necessary etc. as required. The unit shall have atleast 12 months manufacturer's / Supplier's warranty including PCB and compressor with 10 years of warranty.	78 Nos		Nos	

**Note1 : This price bid copy is for bidder easy reference purpose only.**

**Note2 : Bidder shall submit their offer in online portal “www.gem.gov.in” as per the Gem Guide lines only.**

**Clause No. 17:IMPORTANT NOTE FOR BIDDERS:**

- The work shall be carried out as per latest IS/ CPWD Specifications. However, any specific technical requirement of BSNL is mentioned in this document, the same will prevail / supersede.
- The rates for all items of work shall include cost of all materials, labour, packing and forwarding charges and other inputs involved in the execution of the items as specified in the scope of work. All taxes / duties, Cess, Welfare Fund etc. as applicable shall be included in the offer. No sales tax concessional forms will be issued by BSNL/ DoT/ Client.
- For the purpose of this agreement, the term 'GST' shall include Central Goods and Service Tax Act, 2017 (CGST), State Goods and Service Tax Act, 2017 (SGST), Integrated Goods and Service Tax Act, 2017 (IGST), Union Territory Goods and Service Tax Act, 2017 (UTGST) and any other taxes levied under the GST related legislation in India, as may be applicable.
- All taxes except CGST, SGST, UTGST and IGST if any, required to be paid on the invoices as specified in clause above shall be borne by the supplier.
- The firm has to obtain necessary clearance(s) wherever required.
- The tenderer shall furnish the technical literature and catalogues of the equipment offered at the time of submission of tenders.

**Clause No. 18:IMPORTANT NOTE FOR BIDDERS:****Service & Support:**

**Bidder/OEM must have a Functional Service Centre in the City/State (Chennai/Tamilnadu).**

Dedicated /toll Free Telephone No. for Service Support: BIDDER/OEM must have Dedicated/toll Free telephone No. for Service Support.

Escalation Matrix For Service Support: Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

**Clause No: 19****LIST OF APPROVED MAKES- BSNL ELECTRICAL WING**

Sl.	Item	Makes
1	Engine	Ashok Leyland /Cummins/ Cater pillar / KOEL/ Volvo Penta / Mahindra & Mahindra (up to 200 KVA) /Escorts (up to 30 KVA)/ Eicher (up to 35 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 )	BieccoLawrie / Crompton / Kirloskar / MEI / Jyoti Ltd
5	Transformer (Oil filled / Dry type)	ABB / Schneider Electric /Andrew Yule / Bharat Bijlee / Crompton / EMCO / Kirloskar / Siemens
	a) Above 400 KVA	
	b) Up to 400 KVA	In addition to above makes, Uttam/ Patson/Rajasthan Transformer and Switchgear
6	Air Circuit Breaker	L&T/ Schneider Electric / Siemens
7	KMSCLB(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/Yokins
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/ABB/HPL
18	MS/ PVC Conduit	ISI mark
19	Cable Tray	MEM/Bharti/Ratan/Slotco/Profab

20	HT/LT Cables	ISI mark
21	PVC insulated copper conductor wire	ISI mark
22	Centrifugal Pump	Amrut / BE / Beacon / Batliboi / Crompton / Jyoti / Kirloskar / KSB / Mather &platt / WASP/Grundfos
23	Submersible Pump	Crompton/Amrut / BE / Calama / Kirloskar / KSB
24	Motors	ABB/ Bharat Bijlee / Crompton Greaves / Schneider Electric / HBB / KEC / Siemens/Jyoti Ltd
25	Fresh Air Fans	GE / Khaitan/Almonard/Crompton
26	Starter	ABB / BCH / Schneider Electric / L&T / Siemens /
27	Single Phase Preventer	L&T / Minilec / Siemens / Zerotrip
28	GI/MS Pipe	ATC / ATL / BST / GSI / ITC / ITS / IIA / JST / Jindal / TTA / Tata/Zenith
29	Foot Valve	ISI mark
30	Gate Valve	Advance/Audco/Johnson Controls/Zoloto/Annapurna / Fountain / Kirloskar / Leader / Sant / Trishul
31	Compressors	Carrier/Emerson copeland/York/Danfoss (for chillers only)
32	Resin Bonded Glass wool	Fibre Glass / Pilkington / UP Twiga
33	Expanded Polystyrene	BASF(India) Ltd.
34	Gauge	Feibig / H.Guru / Pricol
35	Controls	FLICA / Honeywell / Indfoss / Penn- Danfoss / Ranco / Ranutrol / Sporland
36	Fine Filters	Anfiltra Effluent / ARW / Athlete/ Airtake/ Dyna / Kirsloskar/ Puromatic/ Purafill/ Purolator / Tenacity
37	GI Sheet	HSU Jindal / National / Nippon Denro / Sail / Tata
38	Heat Detector	Appollo / Chemtron/ Edward / Fenwal/ Hochiki / Nitton /System Sensor/ Wormald/Honeywell Essar/Notifier
39	Ionization Detector	Appollo / Cerebrus / Edward/ /Fenwal / Hochiki / Nitton / System Sensor / Wormald
40	Photo Electric Smoke Detector	Appollo / Cerebrus / Edward / Fenwal/ Hochiki / Nitton / Wormald /System Sensor
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	High Precision AC	Sidwal / Stulz / Schneider

**Clause No. 20: COMPUTERISED MEASUREMENT BOOKS (CMB'S) AND BILLS TO BE SUBMITTED BY THE CONTRACTOR**

1. **Application and format of the computerized MB:** A bound volume of computerized measurements to be furnished by the contractor, duly machine numbered for the pages, and with an MB number given by the Division Office. The pages of these Measurement Books shall be of A-4 size. All these Measurement Books belonging to a Division shall be serially numbered, and a record of these Computerised Measurement Books shall be maintained in a separate Register in Form CPWA 92. The same format as in existing Measurement Books shall be used for the Computerised Measurement Books. The measurements shall be carried forward from the previous recorded measurements as per the existing procedure.

2. **Mode of Measurements: The measurements shall be recorded and entered in computerized format in the first instance by the contractor**, and a hard copy shall be submitted to the Department. These measurements shall then be 100% checked by JTO (E). If JTO (E) is not available, SDE (E) shall perform 100% check of the measurements. The contractor shall incorporate all such changes or corrections, as may be done during these checks, to his draft computerised measurements, and submit to the department the corrected computerized measurements in the form of a book, duly hard bound in red colour on the lines of the conventional Measurement Books now in use, and with its pages machine numbered. The SDE (E) and the Executive Engineer (E) shall test check these computerised measurements as per the existing instructions. This book shall be treated as a Computerised Measurement Book. JTO (E), SDE (E) and EE (E) shall record the necessary certificates for their checks and test checks as per the existing procedure in this Computerised Measurement Book. The Computerised Measurement Book shall be allotted a serial number as per the Register of Computerised Measurement Books.
3. **Cutting or over-writing in the computerised MB not allowed:** The Computerized Measurement Book given by the contractor, duly bound, with its pages machine numbered, shall have no cutting or over- writing. It is the responsibility of JTO (E) or SDE (E) as the case may be to ensure that the checks and test checks done by them in the initial draft measurements are correctly incorporated in the Computerized Measurement Book before they record their certificates. In case of any error, the Computerised Measurement Book shall be cancelled, and the contractor shall re-submit a fresh Computerized Measurement Book. This should be done before the corresponding computerised bill is submitted to the Division for payment. The contractor shall submit as many copies of Computerised Measurement Books as may be required, and as are specified in the NIT/contract, for the purpose of reference and record in the various offices of the department.
4. **Computerised Bill to be submitted by the contractor:** The contractor shall submit his running and final bills in a computerised form in the same format as the existing conventional bills, with all the pages machine numbered, and hard bound, and with all the entries made as per the existing procedure. The contractor shall submit as many copies of the computerized bills as may be required for the purpose of reference and record in the various offices of the department. The bill shall be carried forward from the previous running account bill and these computerised bills shall be processed by the various offices for payment.

**Clause no. 21: TAX INDEMNITY:**

BSNL has the right to recover Input Tax credit loss due to any mis-declaration on invoice by the supplier.

**Clause no. 22 : FACTORY INSPECTION :**

BSNL may if needed inspect the factory manufacturing the split AC units and on receiving such inspection request the manufacturer / supplier will facilitate factory inspection without any extra cost.

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**ANNEXURE - I**  
**DELIVERY LOCATION AND CONSIGNEE DETAILS**

Name of Site	No. of units	Site address with pin code & Incharge contact no.
<b>North OA</b>		
Madhavaram	5 Nos	BSNL Telephone Exchange, No.1, EB Road, Sembium, Chennai-600011. <b>S.SATHIAVENGADASAMY SDE / 9444000143</b>
<b>Central OA</b>		
Haddows Road	3 Nos	CNOC, 5th floor Haddows Road, BSNL Telephone Exchange. <b>Alagammai SDE / 9445012344</b>
<b>West OA</b>		
KOYAMBEDU	5 Nos	MMDA Market Complex, Koyambedu, Chennai - 600092 <b>SUBA SRI V, SDE/ 9444299182</b>
GANDHI NAGAR	3 Nos	SUBA SRI V, 21A, Rathinammal Colony, Ramakrishna street, Chennai - 600093 <b>SUBA SRI V, SDE / 9444299182</b>
MADURAVOYAL	3 Nos	SUBA SRI V, 6/452, Mettukuppam Road, Maduravoyal, Chennai - 600095 <b>SUBA SRI V, SDE/ 9444299182</b>
WEST KK NAGAR	4 Nos	No. 1 Bobbilaraja Salai, KK Nagar, Chennai - 600078 <b>KALAIYARASI A M, SDE / 9444213464</b>
VEMBULIAMMAN KOVIL	2 Nos	KALAIYARASI A M, No. 6, Vembuliamman Koil St, Udhayam Colony, Virugambakkam, Chennai - 600093 <b>KALAIYARASI A M, SDE / 9444213464</b>
SALIGRAMAM	2 Nos	KALAIYARASI A M, Sriramulu street, Saligramam, Chennai -600092 <b>KALAIYARASI A M, SDE / 9444213464</b>

NELSON MANICKAM ROAD	2 Nos	No.154/24A ,NELSON MANICKAM ROAD,Chennai-600029. <b>DEEPA RANI, SDE / 9445022403</b>
KARAMBAKKAM	2 Nos	, #78, Arcot Road, Karambakkam, Porur,Chennai-600116. <b>D.MOHANA SDE / 9498000732</b>
VALASARAVAKKAM	2 Nos	D.MOHANA SDE , #26, Chellamal Street, Valasaravakkam,Chennai-600087. <b>D.MOHANA SDE / 9498000732</b>
MOULIVAKKAM	2 Nos	63, SULOCHANA NAGAR, MOULIVAKKAM, CHENNAI-600125 <b>VEERAMMAL. M SDE/ 9445002277</b>
KUNRATHUR	4 Nos	VEERAMMAL. M SDE/ NO.1, NAAL ROAD, KOLLACHERY, KUNDRATHUR, CHENNAI-600069 <b>VEERAMMAL. M SDE/ 9445002277</b>
KANCHEEPURAM	9 Nos	4A, VANIGAR STREET, NEW TELEPHONE EXCHANGE, KANCHIPURAM-631501B. <b>B.VEDAVALLI SDE / 9445010904</b>
CHINNA KANCHEEPURAM	2 Nos	B.VEDAVALLI, NEAR KALAIVANI KALYANA MANDAPAM ,TOLL GATE,CHINNA KANCHIPURAM-631501 <b>B.VEDAVALLI SDE / 9445010904</b>
KANCHEEPURAM COLLECTORATE	5 Nos	B.VEDAVALLI, WANDAVASI SALAI,OPP TO COLLECTOR BUNGLOW, KANCHIPURAM COLLECTORATE - 631501 <b>B.VEDAVALLI SDE / 9445010904</b>
ENATHUR	2 Nos	INSIDE SANKARA ARTS COLLEGE, ENATHUR, KANCHIPURAM-631561 <b>RAMANA POTHALA JTO / 9441405408</b>
WALAJABAD	2 Nos	RAMANA POTHALA, BSNL EXCHANGE, BHARATHI NAGAR,WALAJABAD KANCHIPURAM-631601 <b>RAMANA POTHALA JTO / 9441405408</b>
OLIMOHAMMEDPET	2 Nos	RAMANA POTHALA, BSNL EXCHANGE,OLIMOHMEEDPET,KANCHIPURAM-631502 <b>RAMANA POTHALA JTO / 9441405408</b>



SRIPERUMBUDUR	3 Nos	BSNL TELEPHONE EXCHANGE, O/O DE, 4, SIVAN KOIL STREET, SRIPERUMBUDUR-602105 <b>VINITHKUMAR P.V JTO / 9444563442</b>
PADAPPAI	1 Nos	VINITHKUMAR P.V., BSNL TELEPHONE EXCHANGE, O/O DE, PADAPPAI- TAMBARAM ROAD, PADAPPAI-601301 <b>VINITHKUMAR P.V JTO / 9444563442</b>
KANCHEEPURAM CSC	3 Nos	B.VEDAVALLI, NO:1 KAMARAJ STREET, OLD TELEPHONE EXCHANGE, KANCHIPURAM - 631501 <b>B.VEDAVALLI SDE / 9445010904</b>
KANCHEEPURAM TXM P2	4 Nos	4A,VANIGAR STREET, NEW TELEPHONE EXCHANGE, KANCHIPURAM-631501 <b>RANJITH KUMAR VEMULA JTO / 8985706355</b>
TIRUTTANI	2 Nos	NO 1,AKKAIHA NAIDU STREET,STEWART PET,TIRUTTANI,THIRUVALLURU DISTRICT,TAMILNADU-631209 <b>NAGA RAJU SREERAMA JTO / 9493544244</b>
KG KANDIGAI	1 Nos	NAGA RAJU SREERAMA,TELEPHONE EXCHANGE,CHITTOOR MAIN ROAD,K G KANDIGAI,THIRUVALLURU DISTRICT,TAMILNADU-631205 <b>NAGA RAJU SREERAMA JTO / 9493544244</b>
AMMAYARKUPPAM	1 Nos	NAGA RAJU SREERAMA,BESIDES REGISTER OFFICE,TELEPHONE EXCHANGE,PALLIPET ROAD, R K PET, THIRUVALLUR DISTRICT,TAMILNADU-631303 <b>NAGA RAJU SREERAMA JTO / 9493544244</b>
MADDUR	1 Nos	NAGA RAJU SREERAMA,TELEPHONE EXCHANGE,NAIDU STREET,MADDURU,THIRUVALLUR DISTRICT,TAMILNADU,THIRUVALLUR DISTRICT,TAMILNADU-631206 <b>NAGA RAJU SREERAMA JTO / 9493544244</b>
ATHIMANJARIPET	1 Nos	NAGA RAJU SREERAMA,PALLIPATTU ROAD, TELEPHONE EXCHANGE,BIG STREET,ATHIMANJERI PET,THIRUVALLUR DISTRICT,TAMILNADU-631202 <b>NAGA RAJU SREERAMA JTO / 9493544244</b>
<b>Total</b>	<b>78 Nos</b>	

**Annexure II**  
**MODEL FORM OF BANK GUARANTEE FOR EMD**  
**(For submitting EMD for Air Conditioning, Diesel Engine Alternator, Lifts, and Sub Station Works**  
**wherever the amount of EMD is more than Rs.20,000/-)**

Whereas \_\_\_\_\_ (hereinafter called "the bidder(s)") has submitted its Tender dated \_\_\_\_\_ for the work \_\_\_\_\_  
\_\_\_\_\_ KNOW ALL  
MEN by these presents that WE \_\_\_\_\_ OF  
\_\_\_\_\_ having our registered office at \_\_\_\_\_  
(hereinafter called "the Bank") are bound unto \_\_\_\_\_ (hereinafter called "the BSNL") in the sum of \_\_\_\_\_ for which payment will and truly to be made of the said BSNL, the Bank binds itself, its successors and assigns by these presents.

THE CONDITIONS of the obligation are:

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

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

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

**Signature of the Bank**

**Signature of the Witness**  
**Name of Witness**

**Address of Witness:**

## ANNEXURE III

### PERFORMANCE SECURITY GUARANTEE BOND

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

2. We (name of the bank) \_\_\_\_\_ do hereby undertake to pay the amounts due and payable under this guarantee without any demur, merely on a demand from the BSNL by reason of breach by the said bidder(s)' of any of the terms or conditions contained in the said Agreement or by reason of the bidders(s)' failure to perform the said Agreement. Any such demand made on the bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee where the decision of BSNL in these counts shall be final and binding on the bank. However, our liability under this guarantee shall be restricted to an amount not exceeding \_\_\_\_\_.
3. We undertake to pay to the BSNL any money so demanded notwithstanding any dispute or disputes raised by the bidder(s)/supplier(s) in any suit or proceeding pending before any court or tribunal relating thereto our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the bidder(s)/supplier(s) shall have no claim against us for making such payment.
4. We (name of the bank) \_\_\_\_\_ further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the BSNL under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till \_\_\_\_\_ (office/BSNL) BSNL certifies that the terms and conditions of the said Agreement have been fully or properly carried out by the said bidder(s) and accordingly discharges this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before the expiry of \_\_\_\_\_ (as specified in P.O) from the date hereof, we shall be discharged from all liabilities under this guarantee thereafter.
5. We (name of the bank) \_\_\_\_\_ further agree with the BSNL that the BSNL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said bidder(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the BSNL against the said Bidder(s) and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Bidder(s) or for any forbearance, act or omission on the part of the BSNL or any indulgence by the BSNL to the said Bidder(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Bidder(s)/supplier(s).
7. We (name of the bank) \_\_\_\_\_ lastly undertake not to revoke this guarantee during its currency except with the previous consent of the BSNL in writing.

Dated the \_\_\_\_\_ day of \_\_\_\_\_

for \_\_\_\_\_ (indicate the name of bank)

**Annexure- IV**  
**Technical specification for 1.5 TR inverter type split AC units**  
**( To be down loaded, filled up, scanned and up loaded)**

1	Name of the Manufacturer		
1.1	Model No.		
1.2	Nominal cooling capacity	Kcal/hr(KW)	
	Nominal cooling capacity	TR	
1.3	Type of Compressor		
1.4	ISEER Rating		
1.5	Star rating as per BEE		
1.6	Type of Refrigerant		
2.0	Overall Dimensions of Room Unit(Wall Mounted)	LxWxH(mm)	
2.1	Overall Dimensions of Outdoor Unit	LxWxH(mm)	
3.0	Name of the Compressor Manufacturer		
3.1	Model of Compressor		
3.2	Capacity of Compressor at Rated Test Conditions as per IS:10617(P-1):1983 ( Reaffirmed 2001) incorporating amend no 1 to 3	Kcal/hr	
3.3	Guarantee period of compressor	years	
4	Coil Material		
4.1	Condenser Coil Material		
4.2	Evaporator Coil Material		
5	Filter		
5.1	Material of Filter		
5.2	Whether slip on type filter provided.	Yes / No	
6	Drip Tray	Yes / No	
7	Are manufacturer's instructions and operation service, installation manual are provided	Yes/ No	