

मुख्य अभियंता कार्यालय (ई),
बीएसएनएल इलेक्ट्रिकल वेस्ट जोन,
ग्राउंड फ्लोर, प्रशासन, बीएलजीजी,
"ए" विंग, जुहू रोड,
सांताक्रुज (पश्चिम), मुंबई - 400054
Email Id ceebsnlmumbai@gmail.com



भारत संचार निगम लिमिटेड

BHARAT SANCHAR NIGAM LIMITED

BSNL 3G

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2010

No. 1300/CEEM/BSNL/2020/ 553

Date: 26/10/2020

To,
All the Business Area Head/ SSA Head,
BSNL MH Circle,
Maharashtra.

Sub: - Launch a drive for **One Building – One Airconditioned Area – One Power Plant – One Battery Bank** under Project OJAS (Instruction issued by Corporate Office thereof).

Ref:- D.O. by Dir. (HR) vide No. BSNLCO – EW/(11)/1/2020-Elect Works Dated 23rd Oct – 2020 addressed to the CGM's in BSNL.

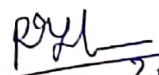
The Director (HR), C.O., New Delhi vide above reference (Copy attached) has issued the guidelines to initiate action under project Ojas to launch special drive for "One Building – One Airconditioned Area – One Power Plant – One Battery Bank". The instructions are self explanatory and all requested to take action as per the contents of the letter.

The help of electrical wing staff available should be taken for exploring the possibility of reduction of the air conditioned area and optimization of battery and power plant capacity. Report for nonfeasible cases with proper justification should be sent to undersigned for apprising to the Corporate office. If any budgetary support is required then detailed proposal may please be submitted for taking approval from Corporate Office.

The above activity is to be identified by 15th of Nov 2020 and immediate action should be commenced without any further delay.

With kind regards,

Encl: - As above


(R.I. Yadava), 26/10/2020
Chief Engineer (E)
BSNL Electrical MH-West Zone,
Mumbai

Copy to :- (1) The CGMT, MH Circle, Mumbai for kind information please.
(2) The EE (E), under MH Circle, Maharashtra to coordinate with concerned BA/SSA and ensure that timely action is taken.

308, भारत संचार भवन, हरीश चन्द्र
माथुर लेन, जनपथ, नई दिल्ली - 110001, भारत
308, Bharat Sanchar Bhawan,
H.C. Mathur Lane, Janpath,
New Delhi - 110001, India
दूरभाष / Off. : +91-11-23734070
फैक्स / Fax : +91-11-23734072
ई-मेल / E-Mail : dirhrd@bsnl.co.in



भारत संचार निगम लिमिटेड
(भारत सरकार का उद्यम)

BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)

अरविन्द वडनेरकर

निदेशक (एचआर)

ARVIND VADNERKAR

Director (HR)

BSNL Board

D.O No. BSNLCO-EW/ (11)/1/

2020- Elect. Works

Dated: 23rd Oct'2020

Dear All,

I had urged you all over my past communications related to project OJAS to accord a high level of priority to optimize energy expenditure. Even our hon. CMD in his DO dated 11.07.2019 emphasized upon reduction of air-conditioned volume and power plant and battery optimization. In this regard it has now been decided to launch a drive for **One Building-One Air Conditioned Area - One Power Plant - One Battery Bank** under Project OJAS with following salient points.

1. There should be only one air-conditioned technical room comprising of all switches, BTS and transmission equipment. To ensure that there is only one technical air-condition room in the building, it may involve relocation of some of the equipment within the building. This activity should be taken up on priority and fund requirement if any for this may be sent to corporate office. Use of package AC may be restricted to Core Equipment/Nodal Centers / Data Centers etc. to optimize CAPEX /OPEX and space requirements.
2. Only one power plant should be planned to cater total DC requirement of all switches/equipment. Similarly battery capacity should be selected as per corporate office norms circulated vide letter No.7-1-2013/NWOCFA/MSE/CH-III dated 27.07.2015.(copy enclosed) If during this process some battery sets are rendered surplus, spare battery sets may be utilized elsewhere within circle. Excess capacity of battery in circuit is draining electricity as well as need higher charging current, which necessitate higher size of Power plants/ DG set etc resulting in wasteful expenditure.
3. A committee is to be formed at circle level comprising of Chief Engineer (Electrical) and other members (of GM level) nominated by CGM to explore the possibility of reduction of the air conditioned area and optimization of battery and power plant capacity. Electrical wing has already shared calculation sheet for optimal battery and power plant size to the concerned CE(E)s.
4. Deep discharge of battery is to be avoided to ensure longevity of battery life. Necessary protection device may be ensured in all power plants.

With best wishes,

Yours sincerely,

(Arvind Vadnerkar) 23.10.20

The Chief General Managers
BSNL

NWO- CFA Cell, 8th Floor, Corporate Office,
Bharat Sanchar Bhawan, H.C. Mathur Lane
Janpath, New Delhi-110001
Tel No 011-23716688, Fax No 23766033
Email: nwocfa@bsnl.co.in



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

No. 7-1-2013/NWO-CFA/MSE/CH III

Dated:-27-07-2015

To

All Chief General Managers-
Telecom Circles/Metro districts

Sub.:- Procedure for calculating requirement of Batteries for replacement

Ref: - 7-1-2014/NWO CFA/MSE dated 31-07-2014.

Kindly refer above cited letter along with various instructions and clarifications issued by this office, wherein it was advised that the actual/justified requirement of battery bank capacity for each node may please be calculated on the basis of present load (anticipated load in near future) and revised backup time specified for that node i.e 4/6/10Hrs for urban/SDCC/Rural area.

Due to typographical mistake the formula for calculating battery capacity was omitted in above referred letter. The same is given below.

For present/anticipated load in Amp, the justified/required battery capacity in AH will be calculated as under.

For 10 Hrs backup time - $\text{Load} \times (10/0.8)$

For 6 Hrs backup time - $\text{Load} \times (6/0.8)/0.873$

For 4 Hrs backup time - $\text{Load} \times (4/0.8)/0.833$

For details, TEC document "MONITORING OF VRLA BATTERIES GUIDELINES" NO: GL/BAT-004/02 mar 2007 may please be referred. The above capacity so arrived may be splitted into two sets, so that in case of fault in one set other can cater the load. Circles may collect the information from field units in the following format.

| Name of Node/ Exchange | Backup time specified (in Hrs) | Present/ Anticipated Load (in Amp) | Existing Bty. Capacity (in AH) | Date of installation | Bty. Size required as per above formula (in AH) | Proposed size Of Battery sets to be procured |
|------------------------|--------------------------------|------------------------------------|--------------------------------|----------------------|---|--|
| | | | | | | |

1/6th of the battery capacity information (column 7), compiled for whole circle may be procured in current FY 2015-16. Circles are requested to submit actual requirement (1/6th of column 7) of batteries for their circles for allocation of funds under RE 2015-16 & BE 2016-17.


(T S C TIWARI)
DGM (NWO-I-CFA)