

ANDHRA PRADESH STATE ROAD TRANSPORT CORPORATION

O/O The VC & MD,
MSRD - HYDERABAD,
Dt.09.01.03.

No.Dy.CME(Elec)/422(1)/2003-MED

Circular No.3/2003-MED Dt.9.1.'03.

Sub: GENERATOR - Standards to be implemented to control
Noise pollution as per environment protection rules
- Reg.

Ref:-1)Cir.No.MF(Elec)/223(4)/76-MED dt.31.1.77
2)Cir.No.1/1980-MED dt.13.1.80
3)Cir.No.6/2002-MED dt.15.5.'02

All the Depots, Workshops/Tyre Retreading Shops and major Bus Stations are provided with 55 KVA Diesel Generator sets as an alternative to AP TRANSCO power supply. Instructions were issued vide circular cited at ref-1, that all the units using Diesel Generator Sets shall obtain permission from APERC/AP TRANSCO authorities for installation of Diesel Generator Sets under Section-44 of the Electricity(Supply) Act 1948 duly paying the requisite fees.

1. Application form CPP-I has to be used for permission for new installation of Generator Set upto 125 KVA
2. Application form CPP-III has to be used for renewal of permission of Generator Sets upto 125 KVA.

Instructions were also issued vide circular lcited at refer-
ence-2 regarding the maintenance procedures to be followed for
effective functioning of Generators.

Vide circular cited at reference-3, instructions were issued
to maintain Generator Register showing the details of Generator
use and diesel consumed.

Off late it has come to the notice that noise control meas-
ures were not implemented in the units where the Generator sets
are being used and causing noise pollution in the surrounding
areas and attracted the attention of pollution control board. It
is obligatory on the part of the units for implementation of
noise control measures as per the rules in force. The noise
pollution(Regulation & Control) Rules 2000 by MOE &F, Government
of India, under Environment(Protection) Rules 1986 as in Sched-

ule-I of Rule 83 are produced hereunder:-

- Mandatory accoustic enclosures/accoustic treatment of the room for stationary DG sets(5 KVA and above)
- Noise from the DG set should be controlled by providing an accoustic enclosure or by treating the room accoustically
- The accoustic enclosure/accoustic treatment of the room should be designed for minimum of 25 dB(A) insertion loss or for meeting he ambient noise standards whichever is on the higher side(if the actual ambient noise is on the higher side, it may not be possible to check the performance of the accoustic enclosure/accoustic treatment. Under such circumstances the performance may be checked for noise reduction upto actual ambient noise level, preferably in the night time. The measurement for insertion loss may be done at different points at 0.5 m from the accoustic enclosure/room and then averaged.
- The DG set should also be provided with proper exhaust muffler with insertion loss of minimum 25 dB(A).

The ambient Air qualities standards in respect of noise as per the notification No.S.O.123(E) dt.14.2.2000 issued by MOE & F, GOI are as follows:-

| Area Code | Category of area/Zone | Limits in dB(A) | |
|-----------|-----------------------|-----------------|------------|
| | | Day time | Night time |
| A | Industrial area | 75 | 70 |
| B | Commercial area | 65 | 55 |
| C | Residential area | 55 | 45 |
| D | Silence zone | 50 | 40 |

- Note:-
1. Day time shall mean from 6.00 AM to 10.00 PM
 2. Night time shall mean from 10.00 PM to 6.00 AM
 3. Silence zone is defined as an area comprising not less than 100mtrs. around hospitals, educational instiutions and coursts. The silence zones are zones which are declared as such by the competent authority(ie., Town planning Dept.)
 4. Mixed categories of areas may be declared as one of the four above mentioned categories by the competent au-

thority

- Central Pollution Control Board has also specified that stack height for Diesel Generator sets to be maintained minimum 25' to 35'

Provision of Accoustic Treatment of Generator room/Accoustic Enclosure is a costly affair. Most of the depots are situated away from the residential areas where there may not be any room for public complaint about the noise pollution because of the Generator Operation. Hence the following procedurel may be followed to reducel the noise pollution.

- Maintain the stack height(exhaust pipe height)minimum 25' to 35'
- Use Silencer Muffler in the exhaust line without fail.

The above steps will reduce the noise pollution. In exceptional cases where the noise is still high, even after the implementation of above steps or in the Depots which are located in the residential areas and giving scope for public complaints about noise pollution, provision of Accoustic treatment of room/Accoustic enclosure may be resorted to keeping in view the cost constraint and duly taking the sanction of competent authority.

All the Unit Officers are advised to follow the above requisite rules in operating the Diesel Generator Sets to avoid any public complaints and penalties from Government authorities.

All DVMS, Dy.CMEs/RMs shall cross check the implementation of the circular instructions during their depot inspections and record the observations in the inspection report for taking corrective action if necessary.

VICE CHAIRMAN & MANAGING DIRECTOR

To

ALL DEPOT MANAGERS

Copy to FA, CAO, ED(MIS), ED(A),ED(O), DIRECTOR(V&S), All EDs(Z) for information and necessary action.

Copy to CME(O), CME(C&B), CE(IT&COMP), CTM(O), C.M(R&D), CCE(I & II) CTM(COMMERCIAL), CPM, CPM(HRD), CCOS for

information & necessary action.

Copy to All RMs for information & necessary action.

Copy to ALL DVMS/Dy.CMEs/WMs/ COSs/Dy.CAOs/Dy.CPMs for information and necessary action.

Copy to All ATMs for necessary action.

Copy to All other Officers for necessary action.

Copy to Manual section:Head office for filing.