

No. HPSEB Ltd/CE(Comm.)/ S4/2013-14-

863-1182

Dated: 09/04/2013

To

- 1) The Chief Engineer(Op), South, HPSEBL, Shimla-4.
- 2) The Chief Engineer(Op), CZ, HPSEBL, Mandi.
- 3) The Chief Engineer(Op), North, HPSEBL, Dharamshala.
- 4) All the Dy. CEs/S.E.s Operation Circle in HPSEBL.
- 5) All the Addl. S.E./ Sr. Executive Engineers, Operation Electrical Divisions in HPSEB.
- 6) All AEEs/AEs Operation Sub-Divisions in HPSEBL.

Subject: - Delegation of Powers for issuance of NOC for installation of Standby Diesel Generating Sets/FOG(s) and guidelines thereof

Sir,

The competent Authority of HPSEBL has approved the delegation of Power for issuance of NOC for Installation of Diesel Generation Sets/FOG(s) as Standby Source as under:-

Sr. No.	Capacity of DG Set(s)	Competent Authority/NOC Issuing Authority
1	Up to 100 kVA	Sr. Xen/Addl. SE
2	100 kVA to 500 kVA	SE(s)/Dy. CE
3	500 kVA to 2 MVA	CE(Op)
4	Greater than 2 MVA	Board level Committee

The NOC(s) for Standby source only shall be issued for the purpose of safeguarding the HPSEBL system due to backflow of power from DG Sets to avoid loss to system and life. Interlocking arrangement alongwith DG set control through 4-pole circuit breaker to ensure safeguard against switching on of D. G. set(s) supply without disconnecting HPSEB Ltd supply shall be provided. However, the synchronization arrangement is not allowed.

The approval of installation of DG Sets has to be obtained by the consumer from Chief Electrical Inspector, Shimla(H.P.). It may be ensured at the time of inspection of interlocking arrangement that the consumer has obtained the approval of Chief Electrical Inspector. In case the approval has not been obtained, the interlocking arrangement shall not be approved and the same may be brought to notice of Chief Electrical Inspector and at the same time the consumer may be intimated about disconnection of supply as per clause No. 7.1(g) of HP Electricity Supply code, 2009 to prevent loss of human or animal life or injury to a human being or any animal or damage to property

In case of Captive DG sets the consumer shall apply through the respective Sub-Division of HPSEBL and the same shall be dealt in the office of CE(Comm), HPSEBL as required under Electricity Act, 2003.

The format along with Guidelines for issuance of NOC by the above authorities has also been approved by the competent authority and is enclosed for Standby source. The guidelines may be strictly followed in letter & spirit. Any deviation will be the personal responsibility of the concerned please.

All the instructions pertaining to above issued earlier and included in the Sales Manual stand amended to the extent wherever not in line with the above amendment. The instructions will come into force with immediate effect.

D.A.: - As Above

SE (IT)
F.M. No.
14/4/2013
11/4



Yours faithfully,

Chief Engineer (Comm.)
HPSEB Ltd, Vidyut Bhawan,
Shimla-171004

Copy for information and necessary action is forwarded to:-

1. The Principal Secretary(MPP & Power)), H.P. Govt., Shimla-1.
1. The Secretary, HPERC, Keonthal Commercial Complex, Khalini, Shimla-2.
2. The Chief Electrical Inspector, H.P. Govt., Block No. 29, SDA Complex, Kasumpti, Shimla-9.
3. The Chief Engineer(ES), HPSEBL, Hamirpur.
4. The Director of Industries, H.P. Govt., Shimla-1.
5. The Executive Director(Pers), HPSEB Ltd., Vidyut Bhawan, Shimla-4.
6. The Chief Accounts Officer, F&A Wing, HPSEB Ltd, Vidyut Bhawan, Shimla-4.
7. The Resident Audit Officer, HPSEB Ltd., Shimla-4.
8. The Special Secretary(law), HPSEBL, Shimla-1.
9. The Addl. Secy-Cum-PS/ Sr. PS to CMD/ Directors for the kind information of CMD/ Directors.
10. The Superintending Engineer (IT), along with copy of Guidelines to upload the Guidelines in the HPSEBL official website.
11. The Guard File

Chief Engineer (Comm.)
HPSEB Ltd, Vidyut Bhawan,
Shimla-171004

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GUIDELINES FOR INSTALLATION OF STANDBY FOG/DIESEL GENERATING SETS

1. INSTALLATION OF STANDBY DG SETS:

- 1.1 The consumers of the HPSEBL can install Standby FOG/DG sets for meeting their own requirement of electricity during breakdowns / power cut / peak load hours restrictions. The following information/documents may be filled and enclosed, with the application form of HPSEBL for NOC of Installation of DG set:-
- Name and complete address and account no. of the connection, where FOG/DG set is proposed to be installed.
 - Name of Sub-Division/Division/Circle in whose jurisdiction the set is proposed to be installed.
 - Load Release Certificate/Consumer Bill to Justify the Sanctioned connected load / contract demand and supply voltage of the connection.
 - Nature of Industry/Business.
 - Particulars of FOG/DG Set(s).
 - Details of Existing DG sets, if allowed earlier, alongwith all the requisite documents
 - Key diagram of the Electrical Installation of the DG Set and change over arrangement.
- 1.2 Fool-Proof interlocking arrangements shall be made to avoid reverse flow of power of FOG/DG Set(s) supply to the HPSEBL supply. The concerned A.E. shall be responsible for verification of the same and he should record a certificate on the test report before the FOG/DG sets are allowed to connect with the utility supply system through Changeover switch. Further, it may be ensured that the neutral of HPSEBL supply is isolated during the changeover to DG Set supply. The NOC issued by HPSEBL shall not be taken as approval of installation of DG set(s). The approval of installation of DG Sets has to be obtained by the consumer from Chief Electrical Inspector, Shimla (H.P.). It may be ensured at the time of inspection of interlocking arrangement that the consumer has obtained the approval of Chief Electrical Inspector. In case the approval has not been obtained, the interlocking arrangement shall not be approved and the same may brought to notice of Chief Electrical Inspector and at the same time the consumer may be intimated about disconnection of supply as per clause No. 7.1(g) of HP Electricity Supply code, 2009 to prevent loss of human or animal life or injury to a human being or any animal or damage to property. The NOC for Captive DG sets shall not be issued by the HPSEBL. The consumer may obtain the approval of the authority competent, as required under Electricity Act, 2003.
- 1.3 An undertaking that a proper Energy meter shall be provided to measure the energy generated from the FOG/DG set and the data shall be supplied to HPSEBL whenever asked for monitoring/energy audit.
- 1.4 PTW (Permit to work) may be amended by Field units to incorporate the condition of isolation of all FOG/DG sets and associated equipments before commencement of repair/replacement of system network equipment etc. by line staff. The J.E./Authorized official shall ensure that interlocking/changeover arrangement is functional.
- 1.5 The Capacity in kVA/MVA of Standby FOG/DG set should not be more than the sanctioned load. The Calculation may be done as under:-

$$\text{Max Allowed Capacity (kVA)} = \{C.L.(kW) \cdot D.F. / (\text{Loading} \cdot PF)\}$$

C.L. =connected load release to the consumer (in KW)

D.F. =Diversity Factor

PF=Power Factor

Note: - Above values may be taken as per actual basis

- 1.6 The following load sanction authorities may issue NOC for the installation of FOG/DG within 30 days after the receipt of the application form, as per following details and no NOC fee shall be payable by the consumer:

Sr. No.	Capacity of DG Set(s)	Competent Authority
1	Up to 100 kVA	Sr. Xen/Addl. SE
2	100 kVA to 500 kVA	SE(s)/Dy. CE
3	500 kVA to 2 MVA	CE(Op)
4	Greater than 2 MVA	Board level Committee


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