

ANNEXURE

CHECK LIST FOR HV/MV INSTALLATION

I. GENERAL

- ~~1.~~ Signing of the drawings by the consumer and contractor
- ~~2.~~ Conformity of the drawings to the standards prescribed.
Size of the drawing A0, A1, A3 or A4
- ~~3.~~ Furnishing of master schematic drawing
- ~~4.~~ Physical layout with earthing drawing
- ~~5.~~ Site Plan
6. Outdoor structure drawing (end view and elevation) with all electricians
- ~~7.~~ Questionnaire of the Installation
8. Affixing Court fee stamp
9. Remittance of Scrutiny fee
10. Approval No. & date of the latest approval received

II. MASTER SCHEMATIC DRAWING :

1. HT metering Unit
2. Primary side protection details with device nos.
3. H.T. cable size, laying details and fault level calculation
4. Details of transformer secondary protection
5. Specification of HV & MV CTs for metering protection
6. Relay details, device nos. and release details
7. Details of breakers
8. Total connected load and M.D. on various switch boards
- ~~9.~~ Switch board rating and bus bar size of all switch boards
10. Whether bus duct / cable details of transformer secondary furnished (bus duct design calculation, spacing sectional drawings etc.)
- ~~11.~~ Switch/fuse rating of out going feeders
- ~~12.~~ Cable size of outgoing feeders
- ~~13.~~ Whether grading is observed between sections
- ~~14.~~ Whether length of all cables furnished
15. Whether Feeder wise E/M is provided
16. Whether group correction or individual capacitors are provided
- ~~17.~~ Whether generator protection details furnished
18. Whether detailed relay and control wiring diagram furnished
- ~~19.~~ Whether cable size of generator is furnished
- ~~20.~~ Whether down stream feeder rating is less than generator current rating
- ~~21.~~ Whether generator room elevation drawing furnished
- ~~22.~~ Whether motor rating, cable sizes and length are furnished
- ~~23.~~ Whether type of starter, rpm of motors are furnished
24. Whether size and length of cables of capacitors are furnished
- ~~25.~~ Whether DBs provided are as per standard
26. With more than one earth source, whether stand by E/F relay is suitably connected so as not to miss earth return.

III. PHYSICAL LAYOUT AND EARTHING DRAWING

1. The structure, L.A. and fencing earthing details
- ~~2.~~ Transformer / Generator room clearances
- ~~3.~~ Transformer/Generator body and neutral earthing details
4. Transformer oil drainage facilities and foundation set up
- ~~5.~~ Transformer / Generator room elevation drawing
6. Position of fuel tank of the generator
- ~~7.~~ Inter connection of earth pits
8. HT panel room clearances and earthing details
- ~~9.~~ MV switch board room clearances and earthing details
- ~~10.~~ Physical location and earthing of all SSBs and DBs
- ~~11.~~ Earthing conductor size of all motors and capacitors
12. Soil resistivity value certified by the Electrical Inspector
13. Fault level calculation and earthing design
14. Deviation, if any, from the cable sizes prescribed in the cable schedule published by the Department
15. All additions and alterations in red colour
16. All earth bus, earthing conductor, inter connections in green colour
17. Locations and numbering of earth electrodes, distance between earth electrodes
18. Forwarding date of advance copy.

Signature of Client



Signature of Supervisor

KRISHNADAS M.K
Electrical Contractor & Supervisor
[CB - 10273] [SB : 14696]
Moothedath House, Nagalassery P.O
Palakkad - Pin : 679 533.
Ph : 9848537580



Signature of Contractor

KRISHNADAS M.K
Electrical Contractor & Supervisor
[CB - 10273] [SB : 14696]
Moothedath House, Nagalassery P.O
Palakkad - Pin : 679 533.
Ph : 9848537580



QUESTIONNAIRE FOR ELECTRICAL INSTALLATION (Initial / Final Approval)

I. PARTICULARS OF INSTALLATION

1. Name of the Consumer with official address to which all communications should be addressed

: **AMMU PETROLIUM**
MEZHATHUR,PALAKKAD

2. Location of installation (full particulars of the town/village and name of the street)

: : **AMMU PETROLIUM**
MEZHATHUR,PALAKKAD

3. Power requirement with nature

: As per enclosed drawing.

4. Sanction of load with authority (copy of sanction to be enclosed)

:

5. Name of Contractor(with license details) carrying out the installation and the name and certificate number of the supervisor who is directly to supervise the work

KRISHNADAS MK
Licence No. CB10271 valid upto 07/11/2030

KRISHNADAS MK
Licence No. SB 14696 valid upto 06/10/2034
: THRITHALA KSEB

Electrical section

II. TECHNICAL

1. Details of EHT/HT Installation

a) Sub station, whether indoor/outdoor

: As per drawings

b) Transformer(give here all name plate details)

: As per drawings

c) Switchgear (complete name plate details including details of rupturing capacity furnished)

: As per drawings.

2. Details of MV installation

a) Motor and other equipments

: As per drawings.

b) Switch gear

: As per drawings.

c) Capacitors (Name & type)

: As per drawings.

3. Details of Generator

a) Engine

: Type

:Diesel

RPM

:1500

Make

:KIRLOSKAR

Sl. No.

:GP3.8702/2520581

b) Generator(give here all name plate details)

: Rating

:25 KVA

RPM

:1500

Volts

:415

Amps

:34.8

Sl.No.

:LBS3B25C87616H

c) Switch gear (complete details)

:

d) Whether Suppliers approval as per Sec 44 of I.E.(S) Act, 1948 obtained :Yes.

4. Fuel efficiency details

a) Are all equipments constructed and erected in accordance with ISI specifications and codes of practice. : Yes

b) Other equipment : N/A

c) Do all equipments satisfy conditions of the suppliers : Yes

d) Are those to be erected entirely within the property of the supplier : Yes

5. Drawing to be sent :

a) Site Plan showing point of commencement of Supply HT installation routes of mains OH & UG : Yes

b) Physical layout of equipment and elevation of equipments with clearance should be furnished in the drawing : Yes

c) Schematic layout of equipments : Yes

d) Sectional elevation of switchgear with erection details :

e) Earthing arrangements : Yes

III. SCRUTINY FEE DETAILS:

Name of Treasury, Receipt No., date and amount : Receipt No.
Amount dtd

IV. GENERAL :

1. Date of commencement of work (in the case of initial approval) : Immediate

2. Name of Supervisor : **KRISHNADAS MK**

V. OTHER ACCOMPLISHMENTS

- 1. Soil resistivity as certified by the Electrical Inspector : N.A.
- 2. Bus Duct design : N.A.
- 3. Earthing calculation including fault level at the location : N.A.
- 4. Protection Scheme : N.A.
- 5. Any other details required for scrutiny : N.A.

Signature of Client



Signature of Supervisor

KRISHNADAS M.K
Electrical Contractor & Supervisor
[CB - 10273] [SB: 14696]
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Palakkad - Pin : 579 533.
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Signature of Contractor

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