

 PS Wing, CEA, New Delhi	QUALITY SYSTEM QUALITY PLAN (IS/ISO 9001 : 2008 Clause 8.2.3)		Doc. No.: PS/EI/QP/O1 Issue No.: 03 Page :6/11 Page Rev. No.: 01 Effective Date: 20.02.2011
	Title: Quality Plan for Statutory Inspections of Electrical Installations under Regulations 43 & 32 of Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations, 2010		
Prepared by: C.E. (EI)	Approved by: Member (PS)	Issued by : Nodal Officer	

**Application for Statutory Inspection of the Electrical Installations under
 Regulation 43 of Central Electricity Authority (Measures relating to Safety
 and Electric Supply) Regulations, 2010 for Approval of the Electrical
 Inspector for energisation.**

**Application Format for the Overhead Transmission Lines
 (Form-B)**

(can be downloaded from official Website: www.cea.nic.in of Central Electricity Authority)

Note: Please read the Instructions prior to filling the Form.

- RIO: New Delhi/ Mumbai/ Chennai/ Kolkata / Shillong :
 (Please write the relevant RIO as per area of jurisdiction)
1. Name of the Overhead Line/ Feeder :
 2. Applicant :
 - (a) Name of Owner of Organization & Address :
 - (b) Name and Address of Concerned Officer :
 (including Phone/Mobile/e-mail/Fax)
 3. Whether the installation (s) has been completed and is (are) ready for energisation :
 - (i) If, Yes – attach Completion Certificate and indicate the date(s) of installation to be inspected :
 - (ii) If, No- indicate Targeted date of completion and probable date(s) of installation to be inspected :
 4. Route length of the Line (KM) :
 - (a) Single Circuit :
 - (b) Doule Circuit :
 - Total Route length of the Line (KM) :
 5. Size of;
 - Conductor :
 - Ground Wire :

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6. Span (meter)

- (a) Average :
- (b) Minimum :
- (c) Maximum :

7. Minimum Clearances (in meter)

Ground Clearance

- (i) at normal spans :
- (ii) at Road crossings-
- (a) National Highway :
- (b) State Highway :
- (c) Other Roads. :
- (b) at Power Lines Crossings
- (i) 800 kV :
- (ii) 400 kV :
- (iii) 220 kV :
- (iv) 132 kV :
- (v) 66 kV :
- (vi) 33/22 kV :
- (vii) 11 kV :
- (viii) LT Lines :
- (c) at Railway crossings :
- (d) at River crossings :
- (e) at Special Crossings (if any) :

8. Minimum calculated Factor of Safety for Conductor and Towers :

9. Whether the followings have been duly provided? :
(Please tick block, if provided)

- (a) Tower Anti-Climbing Devices (ACD) :
- (b) Danger Notice Board :
- (c) Protection against lightning faults :
- (d) Protection against ground faults :
- (e) Protection against snapped conductors :
- (f) Other protections provided, if any :
- (g) Voltage Regulation at the end of the Line :

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10. Whether all relevant provisions of CEA (Measures relating to Safety and Electric Supply) Regulations, 2010 : Yes/No

12. Name of Sub station/Switching station and Bay Nos. at which the Overhead Line/Feeder is terminating on either end :

13. Whether the application for inspection of associated Substation/ Bays has been submitted and substation/ bays are ready for inspection or already inspected and approval obtained : Yes/No

14. Maximum Height of the Tower :

15. Nearest distance of the Line from the nearest airport :

16. Enclosures:
(Please tick, if applicable and enclosed or write NA)

(a)

(i) Contractor's license :

(ii) Competency Certificate of Electrical Supervisor :

(iii) In case the work sublet to another contractor (i) & (ii) of subcontractor to be submitted :

:

(b) The following No Objection Certificates/ Clearances from the concerned authorities shall be enclosed. Wherever not applicable an undertaking of the same by the Owner of the Line shall be submitted.

(As per IS: 5613)

(i) Railway Authorities for Railway line Crossings :

(ii) Air Port Authorities/Civil Aviation :

(iii) Air Headquarters /Defense Authorities :

(iv) Approval of PTCC :

(v) SEB for Power line Crossing :

(vi) Forest clearance :

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- (vii) Navigation Authorities :
- (viii) National Highway Authorities :
- (ix) Any Other Authority :
- (c) Drawing showing Route of Transmission Line on State map :
- (d) Tests results of Earth Footing Resistance of Each Tower :
- (e) Line schedule giving details of Tower type, Angle of deviation, Span length and important features such as Road (NH/SH/Other), Telegraph line, River, Canal, Railway or Power line (800/400/220/132/66/33/11/0.433/0.230kV) Crossings :
- (h) Copy of Manufacturer's Tests Certificates in respect of Conductor, Ground Wire Disc Insulators, Towers (Proto /Destructive) and hardware fittings :
- (i) Drawings for Anti-Climbing Devices, Danger Notice Boards, Number Plates, Phase plates, Circuit Plates, Bird guards, Earthing System (Pipe type/Counter Poise) :
- (j) Details of Crossings (ref. Sl. No.7)

Sl No.	Type of Crossing	Nos.	Tower Locations	Approached from

Signature of owner/ Incharge of Line

Designation

Address

Date.....

Note: One copy of the Application form for inspection of installations up to 220 kV shall be accompanied with list of equipments to be inspected, Copy of Electrical Contractor's License and Supervisor's Competency Certificate/Permit issued by Licensing Board and Work Completion Certificate (other enclosures not required) and the installations above 220 kV with all the enclosures shall be submitted to the Chief Electrical Inspector to the Govt. of India, Central Electricity Authority, Electrical Inspectorate Division, 6th Floor, Sewa Bhawan, R.K. Puram, New Delhi-110066.