FORM III

(Installations of voltage exceeding 650V)

Report No. _____

Date of inspection by Electrical Inspector or self-certification by owner _____

Date of last inspection or self-certification _____

Sl. No.	Regulation Nos	Requirements	Report
1.	Regulation-3	Is the register of the designated persons properly made and kept up to date duly attested?	Yes/No
2.	Regulation-12	(i) Is/Are there any visible sign(s) of overloading in respect of any apparatus?	Yes/No
		(ii) Whether any unauthorised temporary installation exist?	Yes/No
		(iii) Whether the motors and controlling equipment are being over hauled periodically and record kept of the same in a register?	Yes/No
		(iv) Whether the transformer oil samples are being tested periodically and results recorded in a register?	Yes/No
		(v) Whether suitable lightning arrestors have been provided near the transformers for protection against lightning?	Yes/No
		(vi) Whether earth resistance is being measured periodically and results recorded in a register?	Yes/No
		(vii) Any other defect or condition which may be a source of danger. If Yes please explain?	Yes/No
		(viii) Whether operation and maintenance data has been clarified, categorized and computerized for prompt and easy retrieval?	Yes/No
		(ix) Whether predictive maintenance is being performed for installation of voltage exceeding 650V?	Yes/No
		(x) Whether residual life assessment and life extension programmes are being undertaken for installations or equipment of voltage exceeding 650V (applicable for installations or equipment more than 15 years old)?	Yes/No
		(xi) Whether all required type and routine tests at factory done for equipments. Deficiencies and Discrepancies in above test report and results, if any, shall be reported?	Yes/No
		(xii) Are there deficiencies in construction with reference to Indian Standard requirements. Please specify.	Yes/No

3.	Regulation-13	Give report on condition of service lines, cables, wires, apparatus and such other fittings placed by the supplier or owner of the premises. If not satisfactory give details.	Satisfactory/Not Satisfactory
4.	Regulation-14	Whether suitable cut-outs provided by the supplier at the consumer's premises are within enclosed fire proof receptacle?	Yes/No
5.	Regulation-15	(i) Whether switches are provided on live conductors?. (ii) Whether indication of a permanent nature is provided as per Regulation so as to distinguish neutral conductor from the live conductor?. (iii) Whether a direct line is provided on the neutral in the case of single phase double pole iron clad switches instead of fuse ?	Yes/No Yes/No Yes/No
6.	Regulation-16	(i) Whether earthed terminal is provided by the supplier?. (ii) General visible condition of the earthing arrangement.	Yes/No Satisfactory/Not Satisfactory
7.	Regulation-17	(i) Are bare conductors in building inaccessible? (ii) Whether readily accessible switches have been provided for rendering them dead?	Yes/No Yes/No
8.	Regulation-18	. Whether "Danger Notice" in Hindi and the local language of the district and of a design as per relevant Indian Standard is affixed permanently in conspicuous position?.	Yes/No
9.	Regulation-19	(i) Whether the practice of working on live lines and apparatus is adopted ? If so, have the safety measure been adopted as per Schedule-III ? (ii) Whether insulating floor or mats conforming to IS-15652:2006 have been provided? 14. (iii) Whether identification of panel has been provided on the front and the rear of the panel?	Yes/No Yes/No Yes/No
10.	Regulation-21	Whether flexible cables used for portable or transportable equipment covered under the Regulation, are heavily insulated and adequately protected from mechanical injury?.	Yes/No
11.	Regulation-22	State the condition of metallic coverings provided for various conductors.	Satisfactory/Not Satisfactory
12.	Regulation-24	Whether the circuits or apparatus intended for operating at different voltage(s) are distinguishable by means of indication(s) of permanent nature?.	Yes/No
13.	Regulation-26	Whether all circuits and apparatus are so arranged that there is no danger of any part(s) becoming accidentally charged to any voltage beyond the limits of voltage for which it/they is/are intended ?	Yes/No

14.	Regulation-27	(i) In the case of generating stations and enclosed sub stations, whether fire-buckets filled with clean dry sand have been conspicuously marked and kept in convenient situations in addition to fire-extinguishers suitable for dealing with electric fires ? (ii) Whether First Aid Boxes or cupboards conspicuously marked and properly equipped are provided and maintained?. (iii) Is adequate staff trained in First Aid Treatment and fire fighting?	Yes/No Yes/No Yes/No
15.	Regulation-28	(i) Whether instructions in English or Hindi and the local language of the district and where Hindi is the local language, in English and Hindi, for the resuscitation of persons suffering from electric shock have been affixed in a "conspicuous place" ?. (ii) Are the designated persons able to apply instructions for resuscitation of persons suffering from electric shock ?	Yes/No Yes/No
16.	Regulation-34	Leakage on premises: State insulation resistance between conductors and earth in Mega Ohms.	----- M Ohms
17.	Regulation-35	(i) Whether a suitable linked switch, or circuit breaker, or emergency tripping device is placed near the point of commencement of supply so as to be readily accessible and capable of being easily operated to completely isolate the supply? (ii) Whether suitable linked switch or a circuit breaker to carry and break the full load current on the secondary side of a transformer? (iii) Whether every distinct circuit is protected against excess electricity by means of a suitable circuit breaker or cut-out? (iv) Whether linked switch or circuit breaker or emergency tripping device is provided near the motor or other apparatus at voltage exceeding 650V but not exceeding 33kV for controlling supply to the motor or apparatus? (v) Whether adequate precautions are taken to ensure that no live parts are so exposed as to cause danger?	Yes/No Yes/No Yes/No Yes/No Yes/No
18.	Regulation-37	(i) Whether clear space of 100 cm is provided in front of the main switchboard?. (ii) Whether the space behind the switchboard exceeds 75 cm in width or is less than 20 cm?. (iii) In case the clear space behind the switchboard exceeds 75 cm. State whether	Yes/No Yes/No Yes/No

		a passage way from either end of the switchboard to a height of 1.80 meters is provided.	
19.	Regulation-44	(i) Whether all conductors and apparatus including live parts thereof are inaccessible? (ii) Whether all windings of motors or other apparatus are suitably protected? (iii) State in case of transformers or reactors or switches or static condensers involving the use of more than 2,000 litres of oil in one chamber, if suitable oil soak pits are provided? (iv) Where 9,000 litres or more of oil is used in any one oil tank, has provision, been made for draining away or removal of oil which may leak or escape from such tank(s)? (v) Whether trenches inside sub-station containing cables are filled with non-inflammable material or completely covered with non- inflammable slabs? (vi) Are conductors and apparatus so arranged that they may be made dead in sections for carrying out work thereon?	Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No
20.	Regulation-45	Whether protections and interlocks have been provided? If not, give details.	Yes/No
21.	Regulation-48	(i) Have the frames of every generator, stationary motor, and so far as practicable portable motor and metallic parts not intended as conductors of all transformers and any other apparatus used for regulating or controlling electricity and all electricity consuming apparatus at voltage exceeding 650V but not exceeding 33kV been earthed by two separate and distinct connections with earth ? (ii) Is the earth wire free from any mechanical damage ? (iii) Has the neutral point at the transformer and generator been earthed by two separate and distinct connections with earth? (iv) Have the metal casings or metallic coverings containing or protecting any electric supply line or apparatus been properly earthed and so joined and connected across all junction boxes as to make good mechanical and electrical connections throughout their whole length? (v) Whether earthing has been properly executed and has been tested. If yes, give value of earth resistance.	Yes/No Yes/No Yes/No Yes/No Yes/No ------Ohms

22.	Regulation-49	Is the outdoor (except pole type) sub-station efficiently protected by fencing not less than 1.8 metres in height?	Yes/No
23	Regulation-50	(i) Where platform type construction is used for pole type sub-station, has sufficient space for a man to stand on the platform been provided? (ii) Has hand-rail been provided and connected with earth (if metallic and if sub-station has not been erected on wooden supports and wooden plateform)?	Yes/No Yes/No
24.	Regulation-51	Has suitable provision been made for immediate and automatic or manual discharge of every static condenser on disconnection of supply ?	Yes/No
25	Overhead Lines	(i) What is the minimum size of the conductors of overhead lines used ? State the type of conductors. (ii) Whether clearances above ground of the lowest conductor of overhead lines are as per regulation 58? (iii) On the basis of maximum sag, Whether vertical clearances where the line of voltage exceeding 650V passes above or adjacent to any building or part of a building are as per regulation 61? (iv) On the basis of maximum deflection due to wind pressure, whether horizontal clearances between the nearest conductor and any part of such building are as per regulation 61? (v) Where conductors forming parts of system at different voltages are erected on the same supports, whether adequate provision has been made as per regulation 62 to guard against danger to linemen and others from the lower voltage system being charged above its normal working voltage by leakage from or contact with the higher voltage system ? (vi) Where overhead lines cross or are in proximity to each other whether they have been suitably protected to guard against possibility of their coming in contact with each other as per regulation 69? (vii) Has every guard wire been properly earthed as per regulation 70 at each point at which its electrical continuity is broken? (viii)(a) Whether metal supports of overhead lines and metallic fittings attached thereto are permanently earthed as per regulation 72?	Size of Conductor --- Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No Yes/No

		(b) Has each stay-wire (except in case where an insulator has been placed in it at a height not less than 3 meters from the ground) been earthed as per regulation 72?	Yes/No
		(ix)(a) Whether overhead line is suitably protected with a device for rendering the line electrically harmless in case it breaks as per regulation 73?	Yes/No
		(b) Whether anti-climbing devices have been provided at each support as per regulation 73?	Yes/No
		(x) (a) Has the owner of overhead lines adopted efficient means for diverting to earth any electrical surges due to lightning in every overhead line which is so exposed as to be liable to injury from lightning as per regulation 74?	Yes/No
		(b) Whether earth lead from the lightning arrestors is connected to a separate earth electrode as per regulation 74?	Yes/No
		(xi) Whether unused overhead lines are maintained in a safe mechanical condition as per regulation 75?	Yes/No
		(xii) Whether statutory clearances from Authorities i.e. Forest Department/Railways/ PTCC/Defence (AHQ)/Civil Aviation have been taken as per Indian standard. If yes, enclose copies of the same.	Yes/No
		(xii) Any other remarks.	

Date:

Signature of the Inspecting Officer/
Self-certifying supplier or owner

Name _____

Designation _____

File No. _____

Copy forwarded to Electrical Inspector/Chief Electrical Inspector for ……