(FORM-III)

(See Regulation 32 and 45)

$(Installations\ of\ voltage\ exceeding\ 650V)$

				ce of Electric	al Inspectorate				
Da	ite	of insp	pection by l	Electrical Ins	spector				
or	selt	f-certif	fication by	supplier/ ow	ner/ consumer			_	
Da	ate (of last	inspection	or self-certi	ification				
1.	. Consumer No								
2.	V	oltage	and system	n of supply:					
	(i)	Volt	S	(ii) N	No. of Phases	(iii) AC/DC			
3.	N	ame o	f the consu	mer or own	er		<u></u>		
4.	A	ddress	of the con	sumer or ow	vner		<u></u>		
5.	Lo	ocatio	n of the pre	emises					
6.	N	ame o	f HPSEBL	/ licensee D	ivision				
7.					ıb- Division				
8.	Pa	articul	ars of the in	nspection fe	e: Rs Challa				
9.	Pa			nstallations:					
	(a)	Tran	nsformers:	(complete de	etail to be enclosed)				
			Make	S. No.	kVA / MVA rating	Voltage rating	Type		
		(i)				_			
		(ii)							
	(b)	Gen	erators:(co	mplete detai	il to be enclosed)				
			Make	S. No.	kVA /MVA rating	Voltage rating	Туре		
		(i)							
	(c)		of Motors	with rating,	protection, overload se	tting, size of earth co	onductor used to) be	
			Make	S. No.	kW/MW rating	Voltage rating	Туре	-	
		(i)			-			-	
	(d)				nplete details of HT/LT		tus with their ra	ting to	
			urnished:		•			C	
		(i)							
	(e)				kVA				
	\- <i>\'</i>				loads to be furnished.				
10	. (-	n of the insta					

Sl.	Regulation No.	Requirements	Reports
No.			
1.	Regulation 3	Is the record of the designated persons properly made and	Yes/No
		kept up to date and duly attested?	
2.	Regulation 5	Whether Electrical Safety Officer as required under the	Yes/No
		Regulation is designated?	
3.	Regulation 14	(i) Is/Are there any visible sign(s) of overloading in	Yes/No
		respect of any apparatus?	
		(ii) Whether any unauthorized temporary installation	Yes/No
		exists?	
		(iii)Whether the motors and controlling equipment are	Yes/No
		being overhauled periodically and record kept of the	
		same in a register?	
		(iv) Whether the transformer oil samples are being tested	Yes/No
		periodically and results recorded in a register? State	kV/mm
		value of dielectric strength of oil.	
		(v) Whether suitable lightning arresters have been	Yes/No
		provided near the transformers for protection against	
		lightning?	
		(vi) Whether earth resistance is being measured	Yes/No
		periodically once a year and results recorded in a	
		register? Copy of record to be enclosed.	
		(vii) Any other defect or condition which maybe a source	Yes/No
		of danger. If yes, please explain?	
		(viii) Whether operation and maintenance data has been	Yes/No
		clarified, categorised and computerised for prompt	
		and easy retrieval?	
		(ix)Whether residual life assessment and life extension	Yes/No
		programmes are being undertaken for installations or	
		equipment of voltage exceeding 650 V (applicable for	
		installations or equipment more than 15 years old)?	
		(x) Whether all required type and routine tests at factory	Yes/No
		done for equipment? Deficiencies and discrepancies in	
		above test report and results, if any, shall be reported.	
		(xi) Are there deficiencies in construction with reference to	Yes/No
		Indian Standard requirements? Please specify.	

4.	Regulation 15	Give report on condition of service lines, cables, wires,	Satisfactory/
		apparatus and such other fittings placed by the supplier or	Not
		owner of the premises. If not satisfactory, give details.	Satisfactory
5.	Regulation 16	Whether suitable cut-outs/CBs provided by the supplier at	Yes/No
		the consumer's premises are within enclosed fire proof	
		receptacle?	
6.	Regulation 17	(i) Whether switches are provided on live conductors?	Yes/No
		(ii) Whether indication of a permanent nature is provided	Yes/No
		as per Regulation so as to distinguish earthed or	
		earthed neutral conductor from the live conductor?	
		(iii) Whether a direct line is provided on the neutral in the	Yes/No
		case of single-phase double pole iron clad	
		switches/CBs instead of fuse?	
7.	Regulation 18	(i) Whether earthed terminal is provided by the supplier?	Yes/No
		(ii) General visible condition of the earthing arrangement.	Satisfactory/
			Not
			Satisfactory
8.	Regulation 19	(i) Are live parts in building inaccessible?	Yes/No
		CO Whater we like a second to second the second to the sec	X/ /N/ -
		(ii) Whether readily accessible switches have been	Yes/No
0	Deculation 20	provided for rendering them dead?	Vaa/Na
9.	Regulation 20	Whether "Danger Notice" in Hindi and the local language	Yes/No
		of the district and of a design as per the relevant standards	
10	Deculation 21	is affixed permanently in conspicuous position? (i) Whether the practice of working on live lines and	Yes/No
10.	Regulation 21		I es/No
		apparatus is adopted? If so, have the safety measure	
		been adopted as per Schedule I?	Yes/No
		(ii) Whether insulating floor or mats conforming to the relevant standards have been provided?	I es/No
		•	Yes/No
		(iii) Whether identification of panel has been provided on	I es/No
11.	Regulation 23	the front and the rear of the panel? Whether flevible cables used for portable or transportable.	Yes/No
11.	Negulativii 43	Whether flexible cables used for portable or transportable equipment covered under the Regulation, are heavily	1 65/1NU
		insulated and adequately protected from mechanical	
		injury?	
12.	Regulation 24		Satisfactory/
12.	Neguiation 24	State the condition of metallic coverings provided for various conductors.	Not
		various conductors.	1101

			Satisfactory
13.	Regulation 26	Whether the circuits or apparatus intended for operating at different voltage(s) are distinguishable by means of indication(s) of permanent nature?	Yes/No
14.	Regulation 28	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
15.	Regulation 29	(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 location in addition to fire-extinguishers suitable for dealing with electric fires?	Yes/No
		(ii) Whether First Aid Boxes or cupboards conspicuously marked and properly equipped are provided and maintained?	Yes/No
		(iii)Is adequate staff trained in First Aid Treatment and firefighting?	Yes/No
16.	Regulation 30	(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"?	Yes/No
		(ii) Are the persons mentioned in this regulation able to apply instructions for resuscitation of persons suffering from electric shock?	Yes/No
17.	Regulation 36	State insulation resistance between conductors and earth in Mega Ohms.	Mega Ohms
18.	Regulation 37	(i) Whether a suitable linked switch, or a circuit breaker, or an 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?	Yes/No
		(ii) Whether suitable linked switch or a circuit breaker to Carry and break the full load current is provided on the Secondary side of a transformer?	Yes/No

		(iii)Whether every distinct circuit is protected against	Yes/No
		excess electricity by means of a suitable circuit breaker	103/110
		or cut- out?	
			Yes/No
		(iv) Whether linked switch or circuit breaker or emergency	1 es/No
		tripping device is provided near the motor or other	
		apparatus at voltage exceeding 650 V but not	
		exceeding 33kV for controlling supply to the motor or	
		apparatus?	
		(v) Whether adequate precautions are taken to ensure that	Yes/No
		no live parts are so exposed as to cause danger?	
19.	Regulation 39	(i) Whether clear space of 100 cm is provided in front of	Yes/No
		the main switchboard?	
		(ii) Whether the space behind the switchboard exceeds 75	Yes/No
		cm in width or is less than 20 cm?	
		(iii)In case the clear space behind the switchboard exceeds	Yes/No
		75 cm, state whether a passage way from either end of	
		the switchboard to a height of 1.80 metre is provided.	
20.	Regulation 46	(i) Whether all conductors and apparatus including live	Yes/No
		parts thereof are inaccessible	
		(ii) Whether all windings of motors or other apparatus are	Yes/No
		suitably protected?	
		(iii) Whether the separation wall or fire wall between	Yes/No
		apparatuses or consumer premises, in a substation or a	
		switching station with apparatus having more than	
		2000 litres of oil are installed, have been provided as	
		required under the regulation?	
		(iv)Where 9000 litre or more of oil is used in any one oil	Yes/No
		tank, has provision been made for draining away or	
		removal of oil which may leak or escape from such	
		tank(s)?	
		(v) Whether suitable fire fighting system as per the	Yes/No
		regulation has been provided?	
		(vi) Whether trenches inside substation containing cables	Yes/No
		are filled with non-inflammable material or	
		completely covered with non-inflammable slabs?	
		(vii) Are conductors and apparatus so arranged that they	Yes/No
		may be made dead in sections for carrying out work	
		,	

		thereon?	
21.	Regulation 47	Whether protections and interlocks have been provided? Give the details of the protection schemes and their settings.	Yes/No
22.	22. Regulation 50 (i) Have all non-current carrying metal parts associated with the installation been effectively earthed with the earthing system or mat by two separate and distinct connections?		Yes/No
		(ii) Is the earth wire free from any mechanical damage?	Yes/No
		(iii) Has the neutral point at the transformer and generator been earthed by two separate and distinct connections with earth?	Yes/No
		(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?	Yes/No
		(v) Whether earthing has been properly executed and has	Yes/No
		been tested. If yes, give value of earth resistance.	Ohm
23.	Regulation 51	(i) Is the outdoor (except pole type) sub-station efficiently	Yes/No
		protected by fencing not less than 1.8 metre in height?	
		(ii) Whether the mounting of a transformer on a single pole or H pole is done as per relevant standard.	Yes/No
24	Regulation 52	(i) Where platform type construction is used for pole type substation, has sufficient space for a man to stand on the platform been provided?	Yes/No
		(ii) Has hand-rail been provided and connected with earth (if metallic and if substation has not been erected on wooden supports and wooden platform)?	Yes/No
25.	Regulation 53	Has suitable provision been made for immediate and automatic or manual discharge of every static condenser on disconnection of supply?	Yes/No
26	Overhead	(i) What is the minimum size of the conductors of overhead	Minimum
	Lines	lines used? State the type of conductors. (Regulation 57)	size of
			Conductor

(ii) Whether clearances above ground of	the lowest Yes/No
conductor of overhead lines are as per reg	gulation 60?metre
State clearance.	
(iii)On the basis of maximum sag, whet	her vertical Yes/No
clearances where the line of voltage exceed	eding 650 Vmetre
passes above or adjacent to any building	or part of a
building as per regulation 63? State clearar	nce.
(iv)On the basis of maximum deflection of	due to wind Yes/No
pressure, whether horizontal clearances	between themetre
nearest conductor and any part of such bu	uilding are as
per regulation 63? State clearance.	
(v) Where conductors forming parts of system	n at different Yes/No
voltages are erected on the same support	orts, whether
adequate provision has been made as per	regulation 64
to guard against danger to linemen and otl	hers from the
lower voltage system being charged above	ve its normal
working voltage by leakage from or con	tact with the
higher voltage system?	
(vi) Where overhead lines cross or are in prox	imity to each Yes/No
other whether they have been suitably	protected to
guard against possibility of their comin	g in contact
with each other as per regulation 71?	
(vii) Has every guard wire been properly ea	arthed as per Yes/No
regulation 72 at each point at which	its electrical
continuity is broken?	
(viii) (a) Whether metal supports of overhead	ad lines and Yes/No
metallic fittings attached thereto are	permanently
earthed as per regulation 74?	
(b) Has each stay-wire (except in case	e where an Yes/No
insulator has been placed in it at a height	not less than
3 metre from the ground) been eart	thed as per
regulation 74?	
(ix) (a) Whether overhead line is suitably prot	tected with a Yes/No
device for rendering the line electrically	harmless in
case it breaks as per regulation 76?	
(b)Whether anti-climbing devices have be	een provided
at each support as per regulation 75?	

	(x) (a) Has the owner of overhead lines adopted efficient	Yes/No
	means for diverting to earth any electrical surges due to	Yes/No
	lightning in every overhead line which is so exposed as	
	to be liable to injury from lightning as per regulation	
	77?	
	(b) Whether earth lead from the lightning arresters is	
	connected to a separate earth electrode as per	
	regulation 77?	
	(xi) Whether unused overhead lines are maintained in a	Yes/No
	safe mechanical condition as per regulation 78?	
	(xii) Whether statutory clearances from Authorities i.e.	Yes/No
	Forest Department/Railways/PTCC/ Defense (AHQ)	
	/Civil Aviation have been taken as per the relevant	
	standards. If yes, enclose copies of the same.	
	(xiii) Any other remarks.	Yes/No
1		

In addition to above, following electrical equipment wise test details to be given, if applicable:

Sl.	Equipment	Test Conducted	Test Results	Remarks
No.				
1.	Linked Switch	(i)Mechanical operation	Smooth/Troublesome	
	with fuses (s)	(ii)Rating of Fuse	Amps	
		(iii)Contact of blades	Full/Partial	
2.	Isolator	(i)Mechanical operation	Ok/Not Ok	
	(Sl. No	(ii)Remote Operation	OK/Not OK	
	Make:	(iii)Local Operation	OK/Not OK	
	Capacity:	(iv)Measurement of contact		
		resistance		
		(v)Interlocking with earth switch	OK/Not OK	
		(vi)Interlocking with Circuit	OK/Not OK	
		Breaker		
		(vii) IR Values	Phase to Phase and	
		 Open condition 	Phase to Earth	
		 Closed condition 	M OhmM Ohm	
			M OhmM Ohm	
3.	Circuit Breaker	(i) Rating of Circuit Breaker		

(Circuit breaker	• Type	
location and no.)	• Voltage	kV
Circuit breaker	Normal Current	Amps
control circuits	Rupturing Current	kA
	(ii) IR Values	Phase to Phase and
	Open condition	Phase to Earth
	Closed Condition	M OhmM Ohm
		M OhmM Ohm
	(iii)Contact Resistance including	
	Dynamic Contact Resistance	micro ohm
	Measurement	
	(iv)Mechanical Operation	Instant smooth/time
		Gap (Sec.)
	(v)Remote operation	OK/Not OK
	(vi)Local Operation	OK/Not OK
	(vii)Interlocking with Isolator	OK/Not OK
	(viii)Interlocking with earth	OK/Not OK
	switch	
	(ix)Alarm and Trip for OTI/WTI/Buchholz/PRV/etc.	OK/Not OK
	(x)Earth Fault Relay	OK/Not OK
	(xi)Over Current Relay	OK/Not OK
	(xii)Under Voltage Relay	OK/Not OK
	(xiv) other safety Alarms	OK/Not OK
	(xiv) Whether all the provisions	OK/Not OK
	of Regulation 37 are	
	satisfactory?	
4. Transformer	(i) Insulation Resistance Values	
Transformer	• HT to LT	M ohm
No.,		
110.,	• HT to Earth	M ohm
Location,	HT to EarthLT to Earth	M ohm M ohm
,		
Location,	• LT to Earth	
Location, (Transformer	LT to Earth (ii) Breakdown Voltage test	M ohm
Location, (Transformer Sl. No.	LT to Earth (ii) Breakdown Voltage test Oil sample I(Top)	M ohm

		(v) Magnetic Balance	OK/Not OK
		(vi) Tan Delta Test	OK/Not OK
		(vii) Oil level in conservator tank	OK/Not OK
		(viii)Oil level in breather cup	OK/Not OK
		(ix) OTI/WTI settings	A/T ⁰ C/ ⁰ CA/T ⁰ C/-
			$0_{\mathbb{C}}$
		(x) OTI/WTI alarm and trip	OK/Not OK
		operation	
		(xi) Operation of Buchholz relay	OK/Not OK
		(xii)Operation of PRV	OK/Not OK
		(xiii)Oil leakage	OK/Not OK
		(xiv)Interlock of door switch of	OK/Not OK
		dry transformer	
		(xv) Clearances	
		Side Clearance:	cm
		Between two Transformers:	Metre
		(xvi)Body Earth Resistance	Ohm
		(xvii)Neutral Earth Resistance	N ₁ Ohm,N ₂ Ohm
		(xviii) Earth Flat Size Material	
		used	
		• Body:	
		Neutral:	
		(xix)Operation of ONLOAD &	OK/Not OK
		OFF LOAD Tap Changers	
		(xx)Sweep Frequency	OK/Not OK
		Resonance Analysis Test	
		(SFRA)	
		(xxi)Dielectric Frequency	OK/Not OK
		Resonance Analysis	
		(DFRA) Test	
		(xxii)Partial Discharge Tests	OK/Not OK
5	DG Generators:	(i) Type of Generator	
	Generator No.,	(ii) Interlocking with other	OK/Not OK
	Location,	supply sources	
	(Alternator	(iii)Body earth resistance	Ohm

	and Engine	(iv)Neutral earth resistance	N ₁ OhmN ₂ Ohm	
	Sl. No.	(v) Earth Flat Size, Material		
	Make,	used (Cu/Al)		
	Capacity)	Body:		
		Neutral:		
		(vi)Generator Protection details		
6.	Cable	(i) Insulation Resistance Values:		
	(Details to be	• Ph-Ph:	M Ohm	
	given:	• Ph– Earth:	M Ohm	
	size,	• Ph–Earth+ other Ph:	M Ohm	
	length,	(ii)Cable trays	Provided/Not provided	
	type)	(iii)Cable tray earthing	OK/Not OK	
		(iv)Cables bending radius	OK/Not OK metre	
7.	Panels	(i)No. of panels	Nos	
		(ii)Location of panel	To been closed	
		(iii)Rating of the panel	Amp	
		(iv)Size and current rating of the	mm,Amp	
		main Bus bars and the		
		distribution Bus bars of the		
		panel		
		(v)Whether the Bus bar size of	Yes/No	
		the panel suitable to rating of		
		the panel		
		(vi)IP Protection of panel		
		(vii)Type of cable entry	Top Entry/Bottom Entry	
		(viii)No. of Incomers and Bus	Nos	
		couplers in a Panel		
		(ix)Ratings of the Circuit Breakers	Amp	
		(x) No. of MCCBs of each rating	Nos	
		in the panel		
		(xi)No. of spare MCCBs of each	Nos	
		rating		
		(xii)Panel Clearance from the wall	mm	
		(xiii)Clearance between two	mm	
		panels i.e. adjacent panels		
		(xiv)Whether all the provisions	Yes/No	

		of Regulation 39 followed		
		(xv)Size of the Earth strip used	Sq mm	
		for earthing of the panel		
8.	Earthing	(i)Metal and size of Earth Strips	Cu/Al/GISq mm	
		(ii)Type of earthing	Plate/Pipe/Counterpoise	
		(iii)Location and No. of earth	Nos	
		electrode		
		(iv)Values of Earth resistance of	Ω	
		each earth electrode and Grid		
		(v)Earth mat resistance	Ω	
9.	Potential	(i)Ratio test	OK/not OK	
	Transformer	(ii)Polarity test	OK/not OK	
		(iii)BDV of oil	kV	
		(iv)IR test	(R)P-EM Ohm	
			(Y)P-E M Ohm	
			(B)P-EM Ohm	
		(v)Tan Delta and Capacitance		
		measurement		
10.	Current	(i) Ratio test	OK/not OK	
	Transformer	(ii)Polarity test	OK/not OK	
		(iii)BDV of oil	kV	
		(iv)IR test	(R)P-EM Ohm	
			(Y)P-E M Ohm	
			(B)P-EM Ohm	
		(v)Tan Delta and Capacitance		
		measurement		
11.	Overhead lines	(i) Size of the poles of DP		
	and DP structure	structure		
		(ii) Clearance between phases to		
		phase and phase to earth.		
		(iii) Ground clearance of the		
		conductors.		
		(iv) Check of electrical	Ok/Not Ok	
1		clearance along the route of		
		overhead line,		

		clearance at road crossings.			
		(vi) Check the footings of the	e Ok/Not Ok		
		poles.			
		(vii) Earthing arrangements	Ok/Not Ok		
		(viii) What is the minimum size	,		
		of the conductors of	f		
		overhead lines used? State			
		the type of conductors.			
		(ix) Whether all the provisions of	f Yes/No		
		regulation 60, 62, 63, 64, 71	,		
		72 and 74 are satisfied.			
Gen	eral Observations:	I			
1.	Check of phase to phase, phase to ground and sectional clearance				
2.	oment				
	(Copies to be enclosed)				
3.	om the requirements of the				
	Regulations shall be clearly brought out)				
Date:					
Dute.		Signatur	e of the supplier/ Owner/ Consumer		
		Name _			
		Designa	tion		
Electri	ical Supervisor Nam	ne & Sign			
	cate No.				
Contractor Sign		Assistan	t Engineer		
Name:	_	Electrica	Electrical sub Division, HPSEBL		
Licens	e No.				
Mobile	e Number:				

Note: the case for inspection shall accompanied with work completion certificate duly signed by the contractor, owner in case of private property and Assistant Engineer HPSEBL, for HPSEBL assets.

E-mail address:

WORK COMPLETION CERTIFICATE

This is to certify that the following apparatus/ electrical installation or electric supply lines are placed in position, properly joined, duly completed and tested and ready for inspection/energisation:

1. Name of the Installations	
2. Name of the Owner	
3. Details of the Equipment/apparatus	
4. Details of the Tests Conducted	
5. Name & License Details of the Electrical Contractor	
6. Name & License Details of the Electrical Supervisor	

The above work has been done as per the provisions of Central Electricity Authority (Measures Relating to Safety and Electric Supply), Regulations, 2023 made under section 53 of the Electricity Act 2003 and is carried out by the Licensed Electrical Contractor under the direct supervision of a person holding a Certificate of Competency and by the persons holding Work Permit.

Signature of Electrical Contractor

Signature of Owner