

HIMACHAL PRADESH STATE ELECTRICITY BOARD LIMITED

("A state Government Undertaking")

No. HPSEBL/PTCH/WT/2015-16-

33-42

Dated:- 9/4/2015

To

**The Superintending Engineer,
NRPC, 18-A, Saheed Jeet Singh Marg,
Katwaria Sarai, New-Delhi-110016.**

Subject:- Regarding healthiness of defense mechanism-Self Certification thereof.

As per the recommendations discussed in 18th PSC Meeting held on 03.09.2012 and further in 79th & 80th OCC Meetings on 14.09.2012 and 19.10.2012 respectively, it was decided that all STUs would ensure Load Relief as per the target and the settings of UFRs and df/dt Relays are agreed in accordance with NRPC.

In this regard, Self-Certificate is enclosed herewith as per Annexure attached at the end of March, 2015 (**Quarter ending March, 2015**), for taking further necessary action, please.

Thanking You.

Yours faithfully,

—SD—
Er. S.D. Agnihotri,
Dy. Chief Engineer,
Protection & Testing Circle,
HPSEB Ltd. Hamirpur (HP),

Copy to:-

1. The Chief Engineer (ES), HPSEB Ltd.-Hamirpur (HP) for information, please.
 2. The Dy. Chief Engineer, Electrical System Circle, HPSEB Ltd. Hamirpur for information and necessary action, please.
 3. The Superintending Engineer, Electrical System Circle, HPSEB Ltd. Totu, Shimla-11 for information and necessary action, please.
 - ✓ 4. The Superintending Engineer, PR&ALDC, HPSEB Ltd. Totu, Shimla-11 for information, please.
 5. The Superintending Engineer, Generation Circle, HPSEB Ltd. Nahan for information and further necessary action, please.
 6. The Sr. Executive Engineer, 220/132 KV Sub-Station (ES) Division, HPSEB Ltd. Kunihar for information and further necessary action, please.
- All the Sr. Executive Engineers, working under this circle for information.



SE PR & ALDC,

Sr. XEN (SCADA)

Sr. XEN (PC)

Sr. XEN (CO)

Er. S.D. Agnihotri,
Dy. Chief Engineer,
Protection & Testing Circle,
HPSEB Ltd. Hamirpur (HP),

Details of UFRs and of All Relays under PPTC under PFTRC-Indo-POWER Ltd. (Panipat) (PPT)

UFRs

S.No.	Name of Sub-Station	Name of Feeder	Affected Area	Load Ratio (in MW)		Whether the Feeder is Radial	Whether the Under of/At Feeder is Under any SPS Scheme		UFR(Hz) or of/At (Hz/Sec) Settings	Whether Power Flow and Breaker Status Visible in SCADA through SCADA	Whether Relay is Numerical	Model and Make of Relay	Date of Relay Checking	Name and Designation of Checking Officer
				Max.	Min.		Yes/No	Yes/No						
1	032 KV S/S/3n of M/S-MCT Barnana	In Firm's premises	.....	10	10	Yes	Yes	No	Stage-I, 49.20 Hz	No	Yes	UFR is of UFR3 make Micro Electronics Schematica India (UFR).....1 No.	16.03.2015	Er. A.K. Bunkal, Sr. Asst.
2	032KV Sub-Station, Bijnr	33KV Sundernagar-1	Bohar / Sundernagar	10.0	10.0	Yes	Yes	No	Stage-II, 49.80 Hz	No	Yes	MCDM Astom make, P1409 having Sr. No. 32369425/03/14, commissioned on 02-07-2014.	04.03.2015	Er. Rajat Sharma, AE
3	032KV Sub-Station, Anu.	33KV Sujanpur	Sujanpur	8.0	8.0	Yes	Yes	No	Stage-N, 49.80 Hz	No	Yes	MCDM Astom make, P1408 having Sr. No. 32369421/03/14, commissioned on 12-06-2014.	10.03.2015	Er. Rajat Sharma, AE
4	220 KV S/S/3n kumhar	032 KV-04, No. 1, Baranwala	.....	78	78	Yes	Yes	No	Stage-N, 49.80 Hz	Inst.	Static	UFR is of MS make having Sr. No. E334650	March 2015	Er. Pardeep Singh, AE
5	M/S GZL 032KV S/S/3n Dandhapal	In firm's premises	.....	10	10	Yes	Yes	No	Stage-I, 49.20 Hz	.....do.....	Yes	UFRs of English Electric make having Sr. No. 94724503001.....2 Nos.	March 2015	
6	M/S GZL 220/6.6 KV S/S/3n Ransi	In firm's premises	.....	3.7	3.7	Yes	Yes	No	Stage-I, 49.20 Hz	.....do.....	Yes	Make Siemens type 7R66000-54K00-0140, 016 T. No. 8108090194857.....1 No. Make Siemens type 71NE22-5822-0140 F. No. 8108090195858.....1 No.	March 2015	Er. Pardeep Singh, AE & Er. Basanta Ram, JE
7	032 KV S/S/3n of M/S-JP Cement Bagga	In Firm's premises	.....	3.5	3.5	Yes	Yes	No	Stage-I, 49.20 Hz	.....do.....	Yes	Micom 341.....2 Nos.	March 2015	
8	66/23/11 KV S/S/3n Khatgorh	33KV D/G Feeder	.....	3	3	Yes	Yes	No	Stage-II, 49.80 Hz	.....do.....	Yes	Astom make, P1409 (New installation during Dec. 2014).	March 2015	
9	220/66 KV Upparaha Mangal	66 KV outgoing feeder for M/S, Jansae	.....	10	10	Yes	Yes	No	Stage-I, 49.20 Hz	.....do.....	Yes	Astom make, P1408 installed during Dec. 2014.	March 2015	Er. Pardeep Singh, AE & Er. Basanta Ram, JE
10	220/66/33/11 KV S/S/3n, Badda	In Farmhand's premises	.....	20	20	Yes	Yes	No	Stage-II, 49.80 Hz	.....do.....	Yes	Astom make, MCDM 341	March 2015	
11	.....	33 KV D/G Feeder-2	.....	15	15	Yes	Yes	No	Stage-I, 49.20 Hz	.....do.....	Yes	Astom make, P1409 (New installation during Dec. 2014).	March 2015	
12	022/33 KV Mala-Amb	33KV D/G Feeder-1	.....	10	10	Yes	Yes	No	Stage-N, 49.80 Hz	.....do.....	Yes	Astom make	March 2015	Er. Pardeep Singh, AE
13	220/032 KV BSA	In HM Share's premises	.....	15	15	Yes	Yes	No	Stage-I, 49.80 Hz	.....do.....	Yes	Micor make	March 2015	Er. J. P. Sharma, AAE
14	032KV S/S/3n, Foutra	33KV Feeder-Cut	.....	6	6	Yes	Yes	No	Stage-I, 49.20 Hz	.....do.....	Yes	Astom make, P1408 (New installation).	March 2015	
15	.....	33KV Feeder-Budhaur	.....	11	11	Yes	Yes	No	Stage-II, 49.80 Hz	.....do.....	Yes	Astom make, P1409 (New installation).	March 2015	Er. Pardeep Singh, AE
16	032KV Sub-Station Sultan	33KV Lower Yard	.....	15	15	Yes	Yes	No	Stage-I, 49.20 Hz	.....do.....	Yes	Astom make, P1408 (New installation).	March 2015	
		33KV Upper Yard	.....	15	15	Yes	Yes	No	Stage-II, 49.80 Hz	.....do.....	Yes		March 2015	

S.No.	Name of Sub-Station	Name of Feeder	Affected Area	Load Ratio (in MW)		Whether the Feeder is Radial		Whether this			LFR(Hz) or d/d (R/Sec)	Feeder Power Flow and Status visible in SUDC through SCADA	Whether Relay is Numerical	Model and Make of Relay	Date of Relay Checking	Name and Designation of Checking Officer
				Max.	Min.	Yes/No	Under UFR	Under d/d	Under any SPS	Under d/d							Under any SPS
17	66KV Sub-Station Panviro	66KV Kasauli-Genral	-----	9	9	Yes	Yes	No	No	Stage-I, 49.20 Hz	-----	Yes	Atom make, P408 (blow installation).	March, 2005	Er. Pardeep Singh, AE	
18	66 KV Sub-Station-Gowal Hat of M/S. Sareal Fisheries	In firm's premises	-----	6	6	Yes	Yes	No	No	Stage-II, 49.00 Hz	-----	Yes				
19	220KV Sub-Station, Jassura.	33KV Raja Ka Bagh	33KV Kasauli/S Thakur	5.0	5.0	Yes	Yes	No	No	Stage-III, 48.80 Hz	No	Yes	MC20M Atom make, P408 having Sr. No. 32868428/03/74, commissioned on 01.07.2014.	02.02.2015	Er. S.P. Jammal, Sr. Xen	
20	132KV Sub-Station, Kangra.	33KV Saldipur	Saldipur	7.0	5.0	Yes	Yes	No	No	Stage-IV, 48.69 Hz	No	Yes	MC20M Atom make, P408 having Sr. No. 32868420/03/74, commissioned on 25-06-2014.	04.03.2015	Er. S.P. Jammal, Sr. Xen	
21	132 KV Sub-Station Bathi.	33KV Dalhousi, Incommer	Dalhousi	5.0	5.0	Yes	Yes	No	No	Stage-IV, 49.60 Hz	No	Yes	MC20M Atom make, P408 having Sr. No. 32868427/03/74, commissioned on 03-07-2014.	11.01.2015	Er. Y.S. Sarda, AE	
22	132 KV Sub-Station Kasumpt	33KV Surajpur (Banshal)	33KV Met India	5.0	5.0	Yes	Yes	No	No	Stage-I, 49.00 Hz	No	Yes	MC20M Atom make, P408 having Sr. No. 32868418/03/74, commissioned on 29.06.2014.	26.02.2015	Er. Y.S. Sarda, AE	
23	132 KV Sub-Station Bahra.	33KV Pragpur	Pragpur	7.0	5.0	Yes	Yes	No	No	Stage-I, 49.00 Hz	No	Yes	MC20M Atom make, P408 having Sr. No. 32868417/03/74, commissioned on 29.06.2014.	24.02.2015	Er. Y.S. Sarda, AE	
24	132 KV Sub-Station Anb.	33KV M/S Hinwings	M/S Hinwings	10.5	5.0	Yes	Yes	No	No	(Below rating load not be checked / verified due to non speaking of feeder)	No	Yes	MC20M Atom make, P408 having Sr. No. 32868419/03/74, commissioned on 20.06.2014.	18.03.2015	Er. P.L. Bhatia, JE	
25	132 KV Sub-Station Una.	33KV Talsawal-II	Talsawal	10.0	10.0	Yes	Yes	No	No	Stage-I, 49.20 Hz	No	Yes	MC20M Atom make, P408 having Sr. No. 32868424/03/74, commissioned on 22.06.2014.	05.02.2015	Er. S.P. Jammal, Sr. Xen	
26	132 KV Sub-Station Behan	33KV Maranda-I	Paah B Khara	6.0	5.0	Yes	Yes	No	No	Stage-II, 49.00 Hz	No	Yes	MC20M Atom make, P408 having Sr. No. 32868422/03/74, commissioned on 22.06.2014.	19.02.2015	Er. S.P. Jammal, Sr. Xen	
S.No.	Name of Sub-Station	Name of Feeder	Affected Area	Load Ratio (in MW)		Whether the Feeder is Radial		Whether this			LFR(Hz) or d/d (R/Sec)	Feeder Power Flow and Status visible in SUDC through SCADA	Whether Relay is Numerical	Model and Make of Relay	Date of Relay Checking	Name and Designation of Checking Officer
1	220 KV S/Son Kurhaur	132 KV Dk. Ho. Bantwala	-----	83	50	Yes	Yes	No	No	01 Hz/Sec.	New Atom make Numerical d/d Relay NIP 202 Pt. Series 240 13/07/1	Yes		March, 2015	Er. Pardeep Singh, AE	
2	220KV S/Son Gurdwara	132 KV Feeder Kala Anb	-----	100	70	Yes	Yes	No	No	0.3 Hz/Sec.	d/d Relay of Meter read having Sr. No. 122032/5-Defective and needs New Atom make Numerical d/d Relay	Yes		March, 2015	Er. Pardeep Singh, AE	
3	220 KV S/Son Baddi Kaha	132 KV Feeder Maswal	-----	18	12	Yes	Yes	No	No	0.2 Hz/Sec.		Yes		March, 2015	Er. Pardeep Singh, AE	

Consumer stands permanently disconnected during Jan-2014 on their own request as confirmed by Sr. Xen Electrical Division Baspur vide letter No. 1547-48 Dated 28.01.2014.

Deputy Chief Engineer
Protection & Testing Circle
HPSEBL Hamirpur (H.P.)