



भारत सरकार
Government of India
उत्तर पूर्वी क्षेत्रीय विद्युत समिति

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North Eastern Regional Power Committee
"Meghalaya State Housing Financing Cooperative Society Ltd,
Nongrim Hills Shillong - 793 003

No. 103/2/NERPC/OCC/2008/933-67

16/5
Date: 14th May, 2008

To,

1. Member (Tech), Assam State Electricity Board, Bijuli Bhawan, Paltan Bazar, Guwahati-781 001
2. Member (Tech), MeSEB, Lumjingshai, Short Round Road, Shillong - 793 001
3. Chief Engineer (WE Zone), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
4. Chief Engineer (EE Zone), Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
5. Chief Engineer (P), Department of Power, Govt. of Nagaland, Kohima - 797 001
6. Chief Engineer (P), Electricity Department, Govt. of Manipur, Keishampat, Imphal - 795 001
7. Chief Engineer (P&E), Department of Power, Govt. of Mizoram, Aizawl - 796 001
8. General Manager, TSECL, Agartala - 799 001
9. General Manager, NERLDC, Dongtich-Lower Nongrah, Lapalang, Shillong -793 006
10. ED), NERTS, PGCIL, Dongtich-Lower Nongrah, Lapalang, Shillong -793 006
11. ED (O&M), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
12. ED (Commercial), NEEPCO Ltd., Brookland Compound, Lower New Colony, Shillong-793003
13. ED (O&M), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
14. ED (Commercial), NHPC, NHPC Office Complex, Sector-33, Faridabad, Haryana-121003
15. Vice President, PTCIL, 2nd Floor, NBCC Tower, 15, Bhikaji Cama Place, New Delhi
16. Member Secretary, EREB, 14 Golf Club Road, Tollygunge, Kolkata-700033
17. Chief Engineer, GM Division, Sewa Bhawan, R.K.Puram, New Delhi-110066

Sub: Minutes of the 26th OCC Meeting held on 14th May, 2008 at Shillong.

The Minutes of the 26th OCC Meeting of NERPC held on 14.05.08 at "NERPC Conference Hall", Shillong is enclosed for favour of kind information and further necessary action please.

Encl: As above.

भवदीय / Yours faithfully,


(A. MAGUDAPATHI)

सदस्य सचिव / Member Secretary

Copy to:

1. SA to Member(GO&D), CEA, Sewa Bhawan, R.K. Puram, New Delhi - 110066
2. Chief Engineer, AEGCL, Bijuli Bhavan, Guwahati - 781001
3. Chief Engineer, APGCL, Bijuli Bhavan, Guwahati - 781001
4. MD, CA DISCOM, Bijuli Bhavan, Guwahati - 781001
5. MD, UA DISCOM, Bijuli Bhavan, Guwahati - 781001
6. MD, LA DISCOM, Bijuli Bhavan, Guwahati - 781001
7. CGM (LDC) SLDC Complex, AEGCL, Kahelipara, Guwahati-781019.
8. S.E. (Trans. & Dist), MeSEB Lumjingshai, Short Round Road, Shillong - 793 001
9. Head of SLDC, MeSEB, Lumjingshai, Short Round Road, Shillong - 793 001
10. Head of SLDC, Department of Power, Govt. of Arunachal Pradesh, Itanagar- 791 111
11. A.C.E. (Gen & Trans), Department of Power, Govt. of Nagaland, Kohima - 797 001
12. Head of SLDC, Department of Power, Dimapur, Nagaland
13. A.C.E. (Power-I), Electricity Department, Govt. of Manipur, Keishampat, Imphal - 795 001
14. Head of SLDC, Electricity Department, Govt. of Manipur, Keishampat, Imphal - 795 001
15. S.E. (Trans & Dist), Department of Power, Govt. of Mizoram, Aizawl - 796 001
16. Head of SLDC, Department of Power, Govt. of Mizoram, Aizawl - 796 001
17. Head of SLDC, TSECL, Agartala - 799 001
18. Chief Engineer, Loktak HEP, Vidyut Vihar, Komkeirap, P.O. Loktak, Manipur - 7950124

North Eastern Regional Power Committee

Minutes of 26th Operation Coordination Committee meeting

Date: 14/05/2008

Venue: Conference Hall, NERPC Shillong

Shri A Magudapathi, Member Secretary, NERPC welcomed the participants. He informed the participants that the public address system is under processing to procure it and requested the participants to bear with NERPC and hopefully in the next meeting this facility will be taken care. He expressed his heartfelt gratitude to the members for their active participation in the meeting.

Then the agenda items were taken up. List of participants is at Annexure-I.

1. Confirmation of the minutes of 25th Operation Coordination Committee meeting of NERPC held at Shillong.

The minutes were taken as confirmed as there were no observations or comments by any of the constituent members.

2. Revival of 132 KV Dharmanagar – Dullavcherra – Pancgram line for normal operation. – NERLDC

Member Secretary enquired Tripura representative the status of this line.

Tripura representative stated that the progress is on and they will inform the matter accordingly. Member Secretary stated that this matter has been discussed in detail during the last 5th TCC & 5th NER Power Committee meetings held at Gangtok on 25th & 26th April, 2008 regarding strengthening / renovation/ re-conductoring of Purba - Kanchanbari – Dharmanagar- Dullavcherra- Panchgram 132 KV transmission line along with associated sub station equipments and requested Tripura to submit a DPR for the same. He also requested Tripura and Assam to look into the matter at the earliest for providing grid reliability and redundancy.

NERLDC representative enquired Tripura whether Circuit Breaker is installed at Dharmanagar sub station. Assam representatives had informed NERLDC that Circuit Breakers have been installed at Dullavcherra and Pancgram. NERLDC stated that if CB is installed at Dharmanagar then normal operation can be done.

Tripura stated that they will look into this matter and informed accordingly.

3. Export of NER during high hydro period. - NERLDC

NERLDC informed that all the RLDCs posted in their websites the ATC & TTC for the period during the high hydro period. They also informed that last year NER exported power to the tune of 600 MW during monsoon period. This year also surplus is expected; however it might not be possible to export the same quantum this year due to transmission constraints/congestions in ER-NER corridor and also within ER. Hence NERLDC requested the constituents to go ahead with STOA. Considering the monsoon from July the constituents have to apply atleast 3 months in advance to complete the paper formalities so that their surplus can be taken care. Hence all the formalities should be completed before the month of May 2008.

Assam informed that based on LGBR prepared by NERPC they have taken up with Commercial Division and then they will decide after received of the data from the concerned division. They also requested NERPC to write to the concern division.

Member Secretary requested all the constituents to work out their anticipated surplus and take action accordingly. Member Secretary requested NERLDC to write to the concern division and NERPC also will write separately.

Other Constituent members informed that they will look into the matter at the earliest.

4. Observation of Grid discipline. – NERLDC

NERLDC informed that due to over injection/over drawal by some States, the Grid security is endangered sometimes, especially during the period when there is a grid constraints. NERLDC requested to follow the grid discipline to maintain the security of the grid.

Tripura informed that they have received request from NERLDC to back down their own generation in order to maintain the grid security.

NERLDC stated that all the time they are not requesting Tripura to back down their generation, only when the 132 KV Kumarghat – Aizawl or 132 KV Kumarghat-Badarpur line is out of service they are insisting for curtailment for over injection.

Member Secretary requested that all constituents should follow the grid discipline strictly to maintain the grid security.

5. Share allocation from 21 MW GTG Baramura to Mizoram and Manipur. - Tripura

Tripura informed that the share is on ex – bus and they wanted to treat Baramura GTG as ISGS.

NERLDC stated that Tripura should be aware about the pros and cons of ISGS because once the generating station is treated as ISGS then the generation will be governed by NERLDC and moreover there will be complexity in billing of UI and other transmission tariff. Before deciding the views of Mizoram & Manipur have to be taken into consideration.

Manipur stated that they will take up the matter with the higher authority before commenting on this issue and they will intimate after a thorough study.

There was no comment from Mizoram as there were no representatives.

NEEPCO representative enquired if only 3 States have share allocation can a generating station be considered as ISGS.

Member Secretary informed that as per ISGS definition it can be considered as ISGS. He however requested Tripura to study thoroughly and come out with clear decision and after consideration the views of Manipur and Mizoram then Baramura GTG can be considered as ISGS.

NERLDC enquired from Manipur regarding any discrepancy regarding the share allocation mechanism of Baramura GTG. They informed that there are no discrepancies at all and everything was done as per CERC order.

The procedure for day ahead scheduling of Baramura GTG (given by NERLDC) is enclosed at Annexure - II

6. Status of Kopili machines for high hydro period. – Assam.

Member Secretary enquired about the status of Kopili & Kathalguri of NEEPCO.

NEEPCO representatives informed that Unit – I was brought back to operation on 07.05.2008, however due to heavy vibration they have taken shutdown again. They also informed that Unit – II is likely to be brought back to service by the end of May, 2008.

Assam representatives enquired from NEEPCO the expected date to bring back the Units of Kopili.

NEEPCO informed that the work was going on as scheduled, but during the last few days the condition in the locality had deteriorated once again and this had hampered the work. Regarding Kathalguri generating station they informed that all the units are in operation and around 240 – 250 MW is generated at present. All the compressor units are also in working condition.

Assam expressed concerned that the data given in LGBR will be misleading if the Kopili generation will not come into operation before the monsoon starts and signing of bilateral or STOA will not be possible.

Meghalaya also supported the view of Assam and stated that export of power during the high hydro season cannot be finalized without knowing exact availability.

The OCC forum requested NEEPCO to give the clear date to bring back the Units; otherwise the whole region will suffer. The forum requested NEEPCO to take up the matter seriously to the highest Authority to provide adequate security for generating station, staff quarters and maintenance staffs. The forum also requested NERPC to write a letter to NEEPCO regarding Kopili HEP.

7. Generation Planning – NERLDC

(i)Khandong – 0.198 MU, (ii) Kopili stage-II – 0.099 MU, (iii) Kopili – 0.931 MU (iv) Doyang – generation as & when required till reservoir level increases (v) RHEP – subject to water inflow (vi) Loktak – 0.309 MU, (vii) AGBPP & AGTPP – subject to availability of gas supply.

5. Outage Planning- NERLDC

Refer Annexure – III

There is no shutdown planning for generating stations.

6. Review of Grid Performance in the Month of April, 2008 :

NERLDC presented the details regarding the performance of the grid for the month of April 2008 before taking up the agenda items.

Refer Annexure – IV

7. Grid Disturbances in the previous month (March, 2008)

There is one major grid disturbance on 28th April, 2008.

Refer Annexure - V

8. Additional items: LGBR Status

NERLDC stated that there is a mismatch between the data given by NERLDC and NERPC.

Member Secretary informed that the LGBR is prepared as per the data given by constituents. He informed that the constituent States should take the matter seriously while submitting their data so that they should not suffer. He then requested Meghalaya and Manipur to correct the data given by them before forwarding to CEA.

10. Date and venue of next OCC.

The Date for the next OCC has been fixed on 11th June, 2008. The meeting will be held in the Conference Hall of NERPC, Shillong.

LIST OF PARTICIPANTS IN THE 26th O.C.C MEETINGS OF NERPC

S. N.	NAME OF PARTICIPANT	DESIGNATION
ARUNACHAL PRADESH		
1.	W. Rehman	E.E. (E)
ASEB		
1.	H. Hararika	Deputy General Manager, SLDC
2.	A.K. Saikia	Sr. Manager, SLDC
MANIPUR		
1.	K.Jila Singh	E.E
MEGHALAYA		
1.	T.Passah	S.E., SLDC
2.	A. Kharpran	E.E., SLDC
MIZORAM		
1.		
2.		
NAGALAND		
TRIPURA		
1.	Arup Gan Choudhury	DGM (C&T)
2.	Debrata Pal	Manager (Coml.)
NEEPCO		
1.	D.K.Saikia	Sr. Manager,
2.	A. K. Das	Sr. Manager
3.	Bhaskar Goswami	Sr. Manager
4.	B. Goswami	Sr. Manager
5.	Arup. Ch. Sarmah	Sr. Manager
NERLDC		
1.	N.R. Paul	Chief Manager
2.	R. Sutradhar	Chief Manager
3.	S.K.Saha	Deputy Manager
4.		
NERTS (PGCIL)		
1.	Utpal Sharma	Chief Manager
NHPC		
Trading Companies		
NERPC		
1.	A. Magudapathi	Member Secretary
2.	B. Lyngkhai	Assistant Secretary
3.	Lalrinsanga	E.E. (Coml.)
4.	S. M. Aimol	A.E.E
5.	G. Medhi	A. E

Day ahead scheduling procedure for Baramura GT (21MW)

- Installed capacity :** 21 MW (Funded by NEC, 90% grant)
- Location :** Tripura
- Evacuation system(STU) :** 1. 132 KV Baramura – 79 Tilla (Agartala)
2. 132 KV Baramura – Ambassa
3. 132 KV Ambassa – PurbaKanchanBari
4. 132 KV PurbaKanchanBari – Kumarghat(PG)
Injection into CTU system at 132KV Kumarghat(PG) substation
- Beneficiaries :** Tripura – 50%
Manipur – 25%
Mizoram – 25%

Scheduling :1. Declaration of Baramura DC :

SLDC, Tripura submits Baramura DC for the next day at around 0900 hrs to NERLDC

2. Entitlement of States :

Presently the entitlement from Baramura is not reflected in entitlement of its beneficiaries.

3. Requisition by States:

Requisitions by states are interpreted as standing instructions to schedule their respective entitlements (similar to ISGSs).

4. Day ahead Schedule :**Example of a particular time block:**

Baramura DC = 20 MW

Ex PP Schedule = 20 MW

Beneficiaries' schedule from Baramura

	<u>Ex-PP</u>	<u>State Inlet(4%loss)</u>
Tripura	10 MW	10.0 MW
Manipur	5 MW	4.8 MW
Mizoram	5 MW	4.8 MW

Total schedule at State inlet

	<u>Excl. Baramura</u>	<u>Baramura</u>	<u>Total</u>
Tripura	90 MW	-10 MW *	80 MW
Manipur	40 MW	4.8 MW	44.8 MW
Mizoram	60 MW	4.8 MW	64.8 MW

* Tripura has to get 10 MW from Baramura. As entire 20 MW is scheduled/injected in Tripura system (Baramura being embedded in Tripura intra State network), balance i.e., (20-10 = 10 MW) is to go out of Tripura. Total schedule of Tripura is computed accordingly.

5. Schedule Revision :

Provision for schedule revision on intimation of the status/revised DC is already in place.

Accounting/Billing :

Billing is done by Tripura bilaterally to Mizoram and Manipur at mutually agreed rates (Generation tariff/ STU charges).

There is no billing for CTU charges.

Annexure – III

Proposed Shut down Program of POWERGRID Elements for the month of May, 08

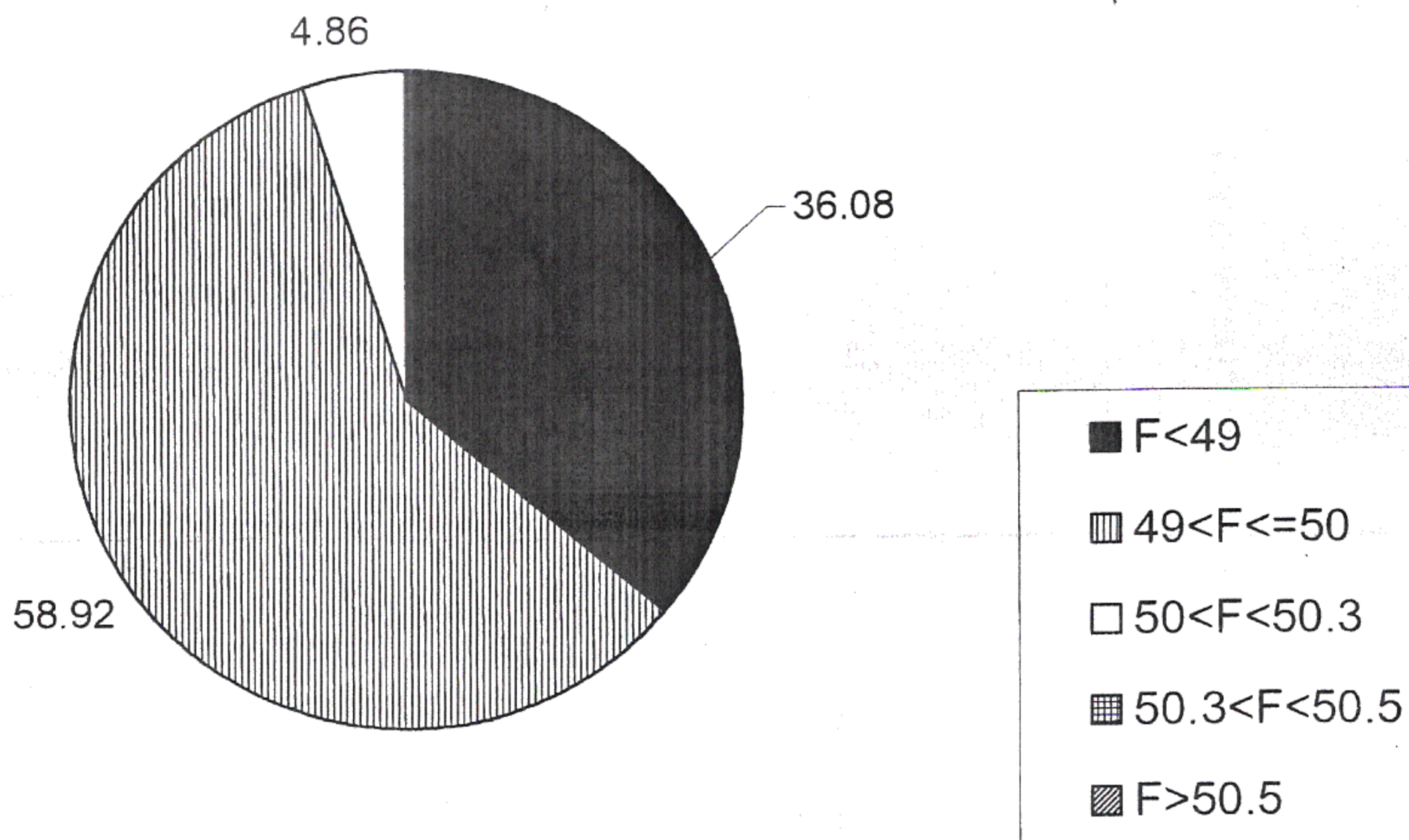
S/N	NAME OF T/L	S/D DATE	S/D TIME	PURPOSE	FEEDERS AFFECTED
1*	132 KV Badarpur -Kumarghat	Deferred	08:00hrs to 16:00hrs	AMP	Badarpur-Kumarghat
2	132 KV Badarpur -Badarpur	20.05.08		AMP	Badarpur-Badarpur
3	132 KV Badarpur - Jiribam	19.05.08 to 28.05.08 continuous		De - stringing & Re- stringing diversion work	Badarpur-Jiribam
4	132 KV Khandong - Khliehriat - II	29.05.08		Khandong-Khliehriat - II	
5*	132 KV Khandong - Kopili	Deferred		Khandong - Kopili	
6	132 KV Jiribam - Loktak - II	30.05.08		Jiribam - Loktak -II	
7	132 KV Ranganadi - Ziro	Deferred		Ranganadi - Ziro	
8	400 KV Ranganadi - Balipara - II	21.05.08& 22.05.08		Ranganadi - Balipra	

- **Sl. No. 1 & 5 are deferred till generation improves in 132 KV pocket.**

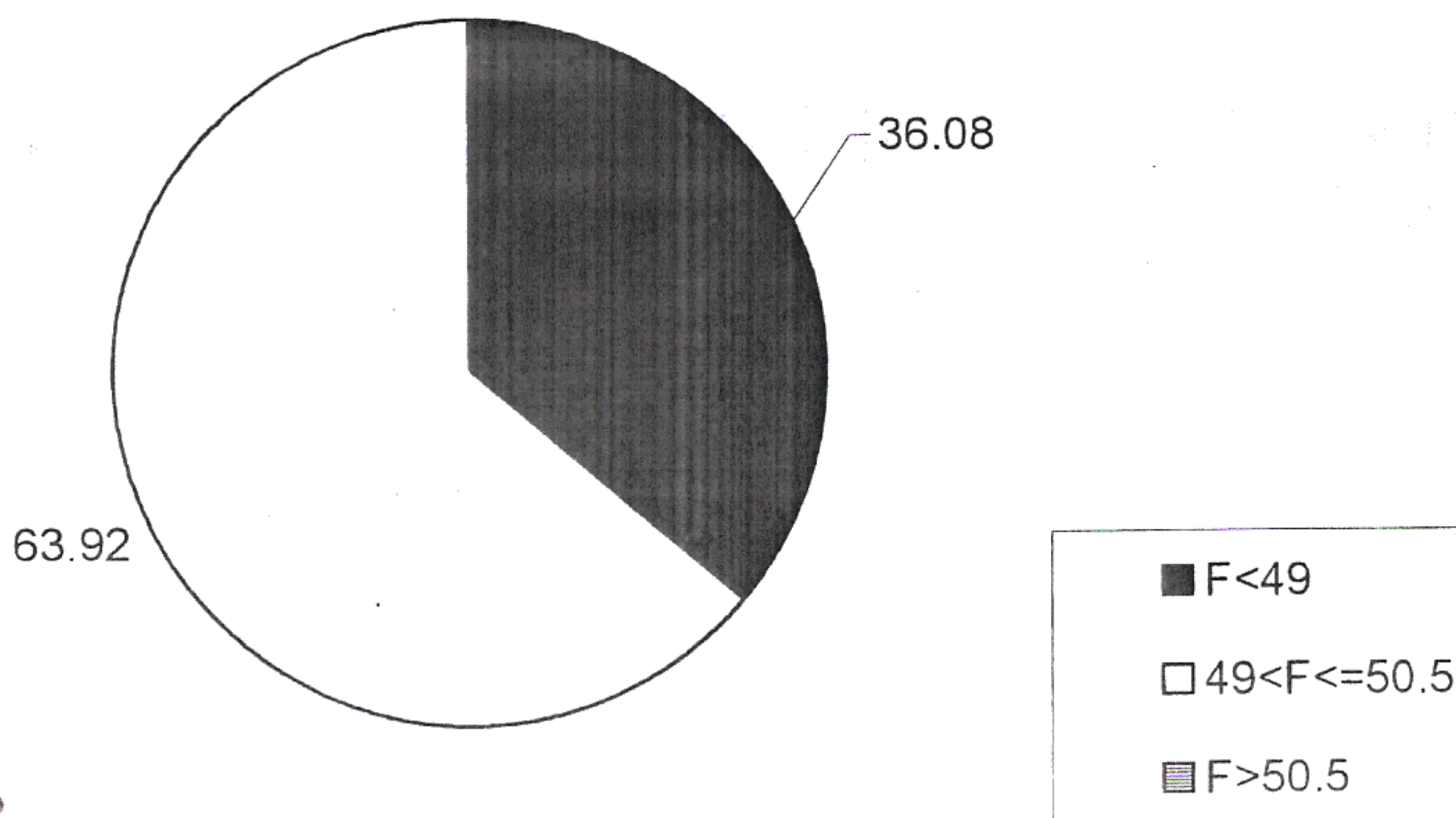
S/D Program for POWERGRID sub-stations/Bays/ICTs/Reactors:-

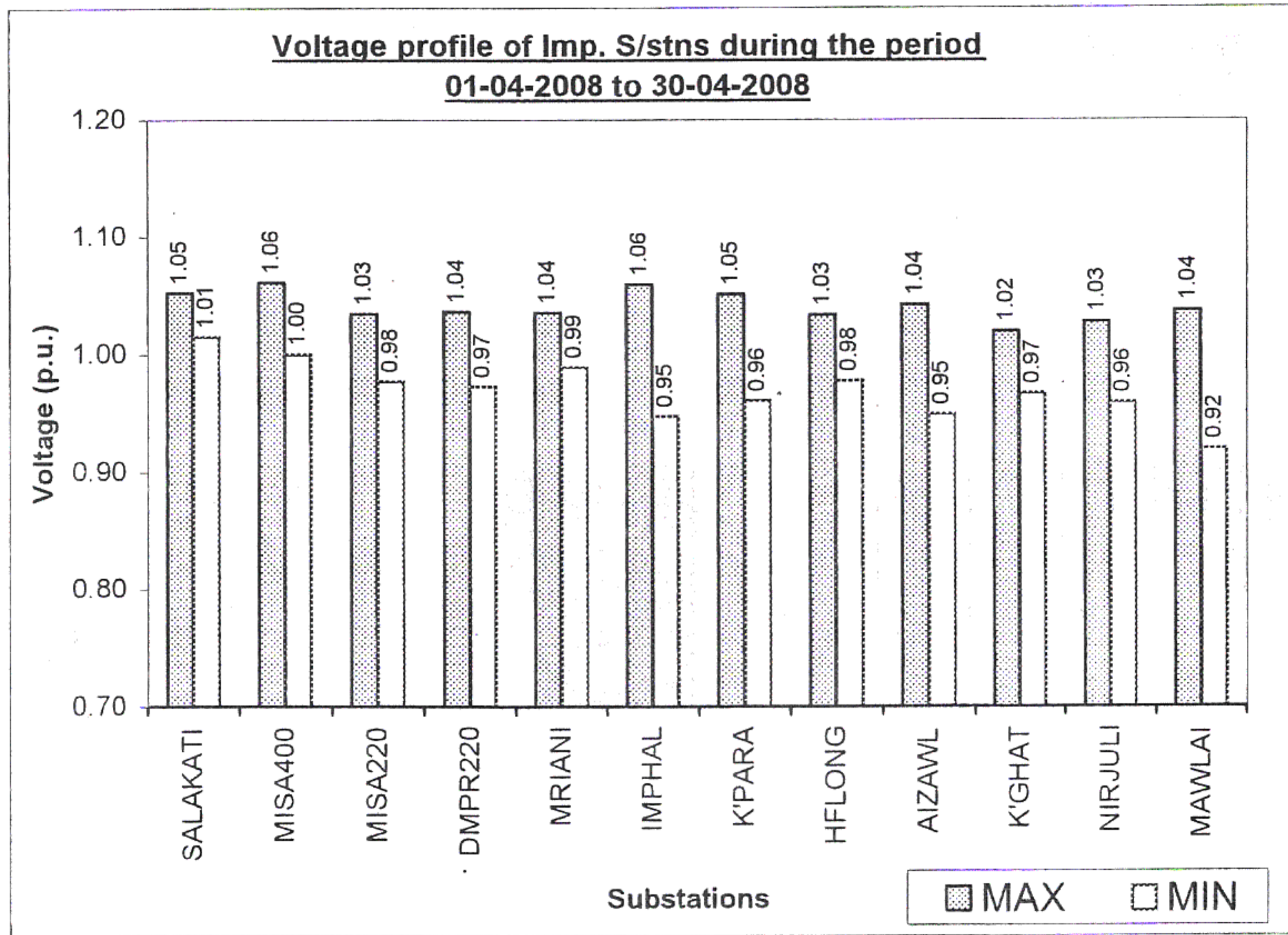
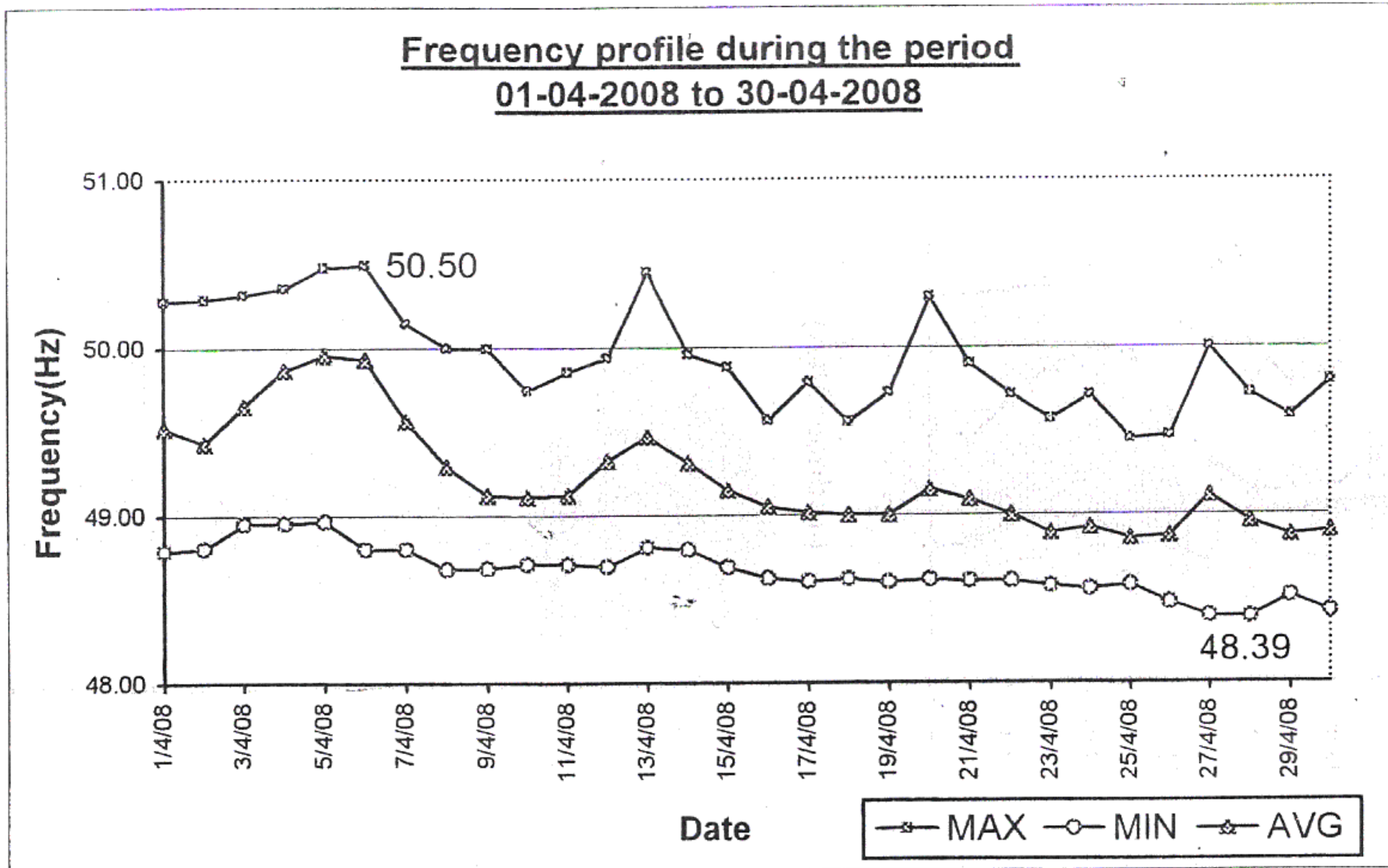
S/N	NAME OF SUB-STATION/BAYS/ICT/ REACTOR	S/D DATE	S/D TIME	PURPOSE	AREAS/FEEDERS AFFECTED
1	400 KV, ICT at Balipara	16.05.08& 17.05.08	08:00 hrs to 15:00 hrs	AMP	Balipara - Tezpur

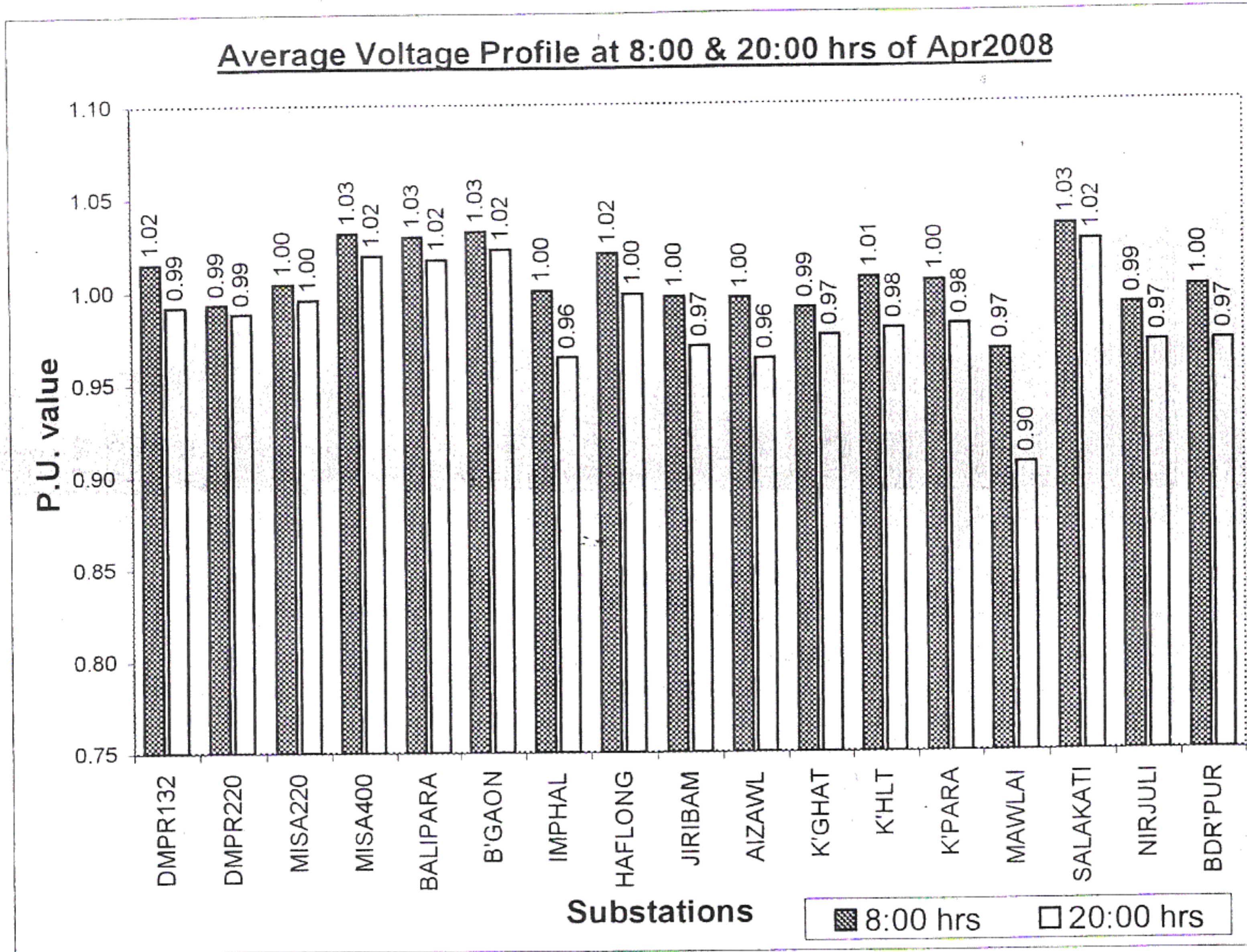
Duration of frequency in relevant ranges during
01-04-2008 to 30-04-2008



Duration of frequency in IEGC ranges during
01-04-2008 to 30-04-2008

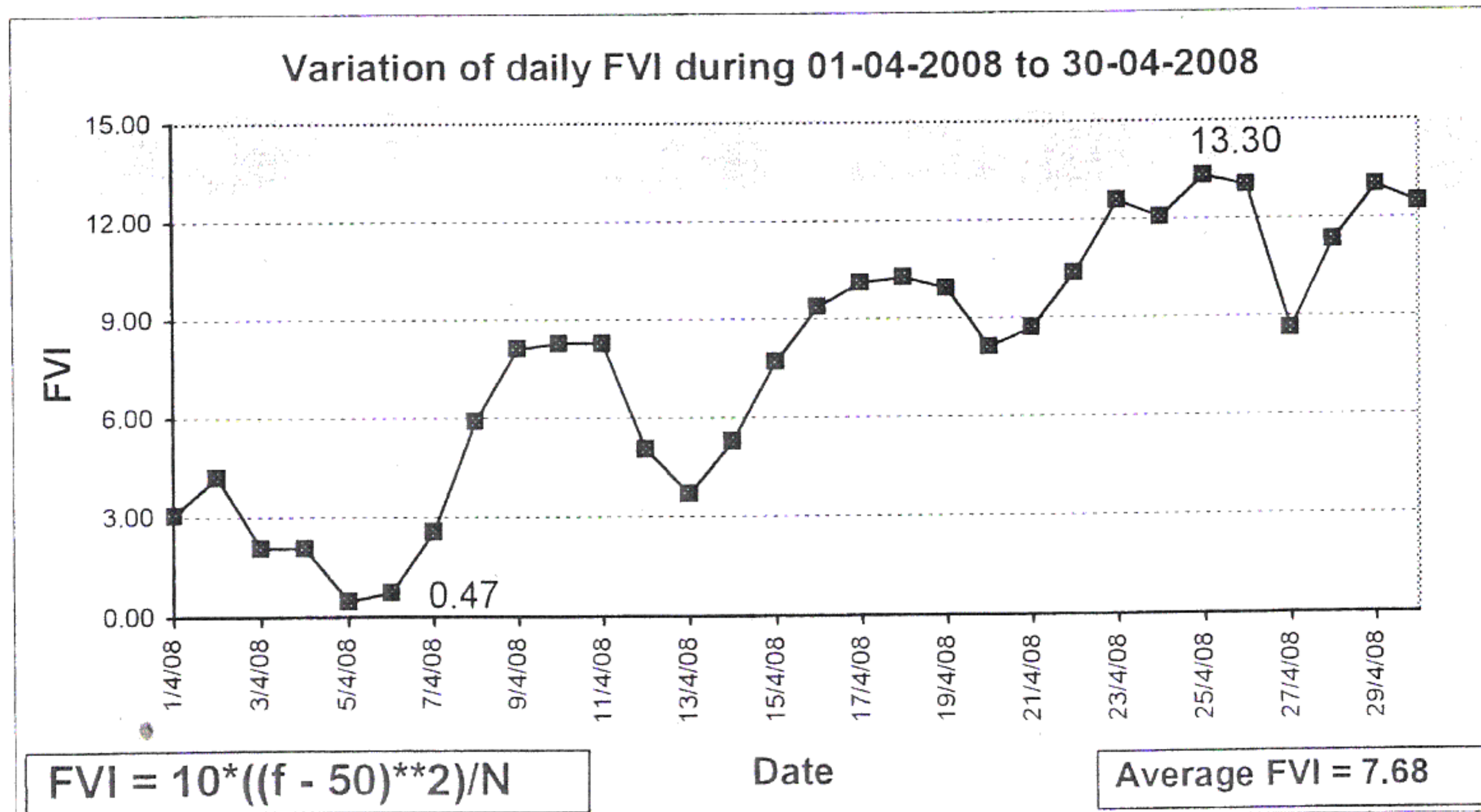


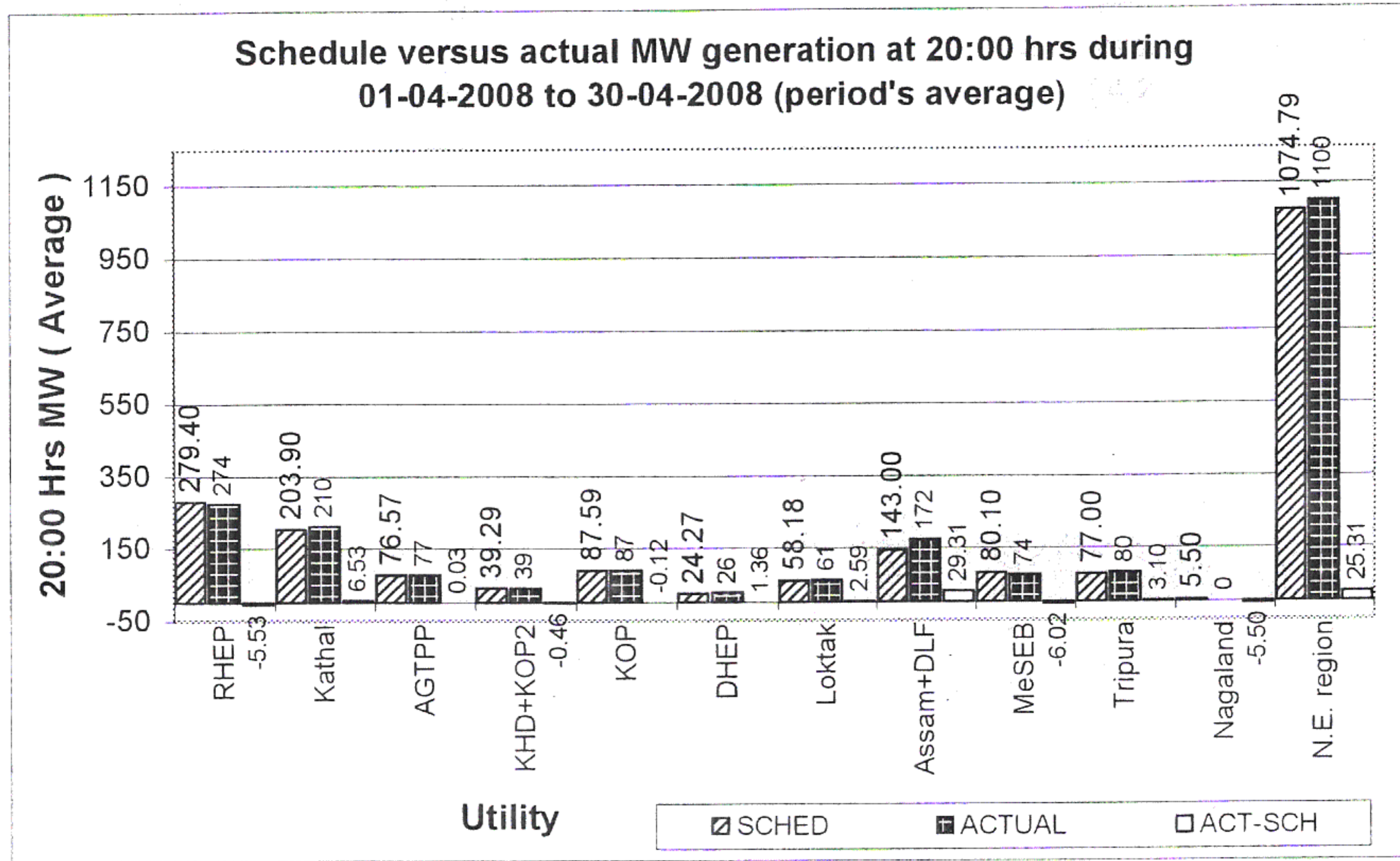
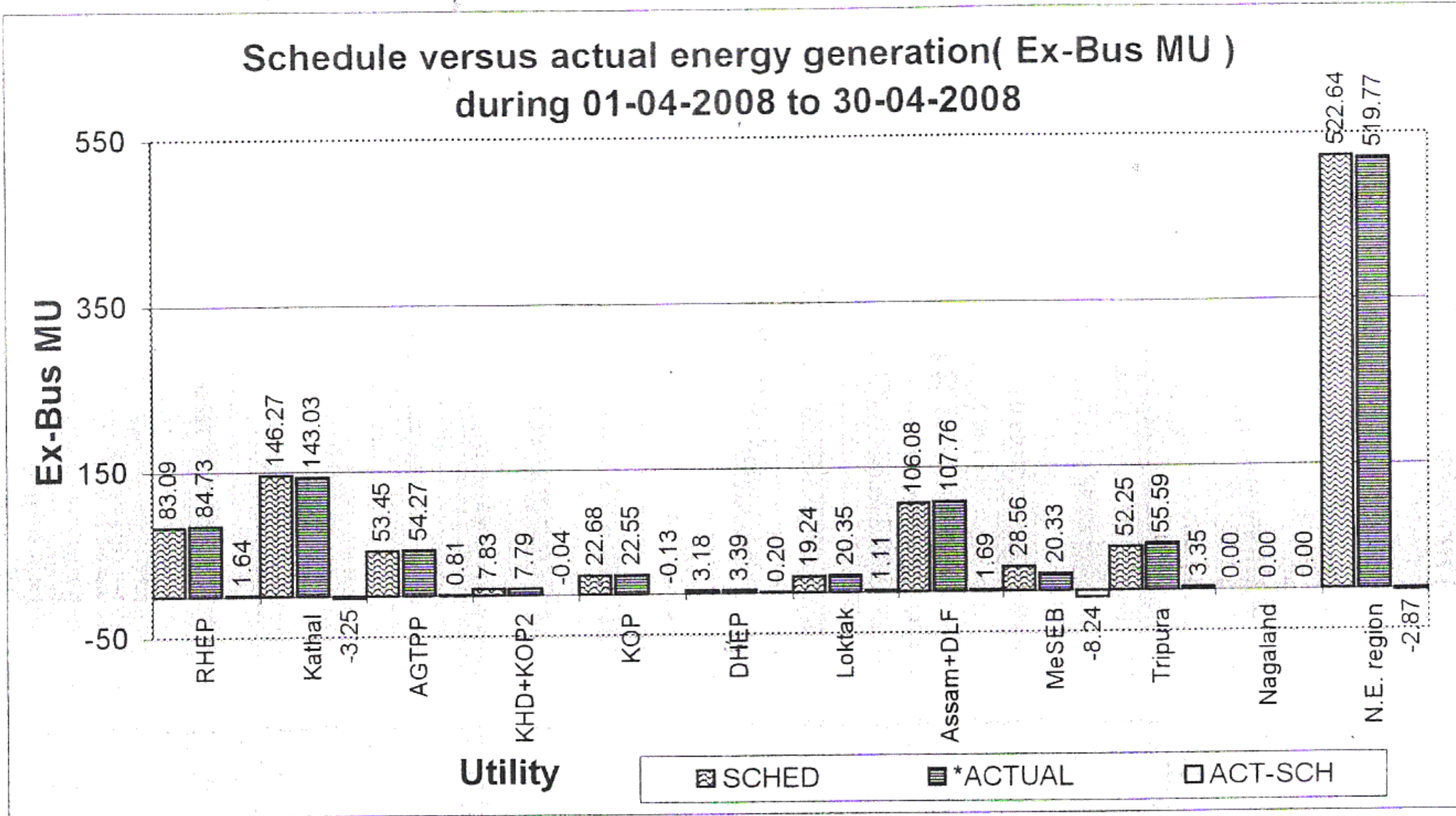




IEGC NORMS

SL NO.	SYSTEM VOLTAGE	KV	PU
1	400KV	360KV-420KV	0.9-1.05
2	220KV	200KV-245KV	0.9-1.11
3	132KV	120KV-145KV	0.9-1.09





NOTE: Schedule corresponds to 20-21 hrs

Net Export to E. Region

	Schedule	Actual	Act-Schd
MU	-36.82	-40.99	-4.17
MW, 20:00 (average)	-67.30	-45.93	21.36

VIOLATION BY GENERATORS NOT REPORTED

NORTH EASTERN REGIONAL LOAD DESPATCH CENTRE GRID INCIDENCE REPORT

TO: **ED (SO), NEW DELHI**

- Copy to: 1. Member Secretary, NERPC;
 2. NPSD, New Delhi;
 3. S/I SLDC Kahilipara/NEHU/Agartala/Imphal/Dimapur/Aizwal/Itanagar

DATE OF OCCURANCE	28	04	2008	TIME OF OCCURANCE	19	48
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A) PRE-FAULT CONDITION:

SYSTEM FREQUENCY	48.87	Hz	NER EXPORT	60	MW
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GENERATION (MW) PRIOR TO INCIDENCE					
TRIPURA	61	KHANDONG	38	KOPILI	98
ASEB	220	RCNAGAR	76	LOKTAK	60
MeSEB	65	K'GURI	243	DOYANG	0
NAGALAND	-	RANGANADI	390	KOPILI STG # II	0

MAJOR LINE/MACHINE OUTAGE / OPEN		
SL NO	NAME OF THE LINE/MACHINE	REMARKS
1	132 kV LOKTAK - JIRIBAM I	FAULTY SINCE 0801 HRS ON 28.10.2002
2	132 kV PANCHGRAM - PAILAPOOL	FAULTY SINCE 1655 HRS ON 5.10.2000.
3	132 kV KARONG - IMPHAL	FAULTY SINCE 2115 HRS ON 29.03.08
4	132 kV MARIANI - MOKOKCHUNG	Faulty since 1512 Hrs on 12.03.08
5	400 kV BALIPARA - RHEP-I	OPEN SINCE 2118 HRS ON 03.02.08 (H/T ON O/V)
6	400 kV BONGAIGAON - NEW SILIGURI I	OPEN SINCE 2019 HRS ON 05.04.08 (H/T ON O/V)
7	220 kV BIRPARA-SALAKATI-II	FAULTY SICE 2045HRS OF 26.04.08
8	KOPILI B/C	2248HRS 28.04.08 SYS REQUIRMENTS.

3) DESCRIPTION OF INCIDENCE:

NER SYSTEM WAS RUNNING IN SYNCHRONISATION WITH THE NEW GRID THROUGH 400 KV BONGAIGAON - NEW SILIGURI II D/C & 220 KV BIRPARA - SALAKATI-I LINES (.)

THERE WAS HEAVY RAIN, LIGHTNING AND THUNDER STORM AT SAMAGURI AND MISA AREA. 220KV BALIPARA-SAMAGURI TRIPPED ON V-PH EARTH FAULT FROM BALIPARA, RESULTING ALL OUTGOING FEEDERS FROM SAMAGURI TRIPPED AND DIMAPUR 100 MVA, 220/132KV ICT ALSO TRIPPED ON O/V. CONSEQUENT THE ABOVE TRIPPING 132KV SYSTEM CONSISTING NAGALAND, MANIPUR, MIZORAM & MEGHALAYA AND PART OF ASSAM SEPARATED AND POWER INTERRUPTED DUE TO LOAD GENERATION MISMATCH. TRIPURA SYSTEM SURVIVED WITH RC'NAGAR GENERATION. AT THE SAME TIME 220 KV MISA-KATHALGURI AND 220KV MISA-MARIANI ALSO TRIPPRD ON EARTH FAULT, CAUSING LOSS OF GENERATION AT KATHALGURI AROUND 200 MW.

SYSTEM RESTORED PROGRESSIVELY AT 2045 HRS.

(C) STATES AFFECTED :		(D) POWER STATIONS AFFECTED (GENERATION LOSS)			
ASSAM	NIL	KATHALGURI	200 MW	LOKTAK	FULL
ASSAM	PART	R.C. NAGAR	20 MW	DOYANG	NIL
MANIPUR	FULL	KOPILI	FULL	MeSEB	FULL
MEGHALAYA	FULL	KHANDONG	FULL	KOPILI	NIL
MIZORAM	FULL	ASEB	150 MW	STAGE # II	
NAGALAND	FULL	RANGANADI	NIL	NAGALAND	NIL
TRIPURA	NIL	TRIPURA	20 MW		

C. Saha