



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
पूर्वी क्षेत्रीय विद्युत समिति

Fax Message No. - 722

Eastern Regional Power Committee

14, गोल्फ क्लब रोड, टॉलीगंज, कोलकाता-700033
14 Golf Club Road, Tollygunj, Kolkata-700033

Tel No: 033-24239651, 24239654 FAX No.:033-24239652, 24239653 Web: www.erpc.gov.in

No: ERPC/PSDF (2)/Training/2019/ 3317-3341

Date: 04.07.2019

To

All the TCC Members
(As per the list)

Subject: "Training Programme for Power System Engineers of various constituents of Eastern Region" – Under the Scheme Capacity Building Programme from "PSDF"

Dear Sir,

On the proposal of ERPC Secretariat the 39th ERPC, in its meeting held on 17.11.2018 at Jaipur has approved for execution of PSDF project "Training Programme for Power System Engineers of Eastern Regional Constituents" – under the scheme "Capacity Building Programme" from PSDF. Accordingly, ERPC Secretariat has entered into an agreement with **M/s Asia Institute of Power Management (AIPM), Kolkata**, a training and consultancy wing of M/s CESC Limited, on **06.05.2019**. As per the agreement, a batch of 35 nos. (approx.) participants shall be trained for each Training Programme (total 4 nos. of Training Programmes in each financial year) from various utilities of Eastern Region including SLDCs, STUs, ISTS Licensees, Generators, DISCOMs etc. The Training Modules of this programme (copy enclosed) will cover various aspects Power System Protection from Basic to Advanced level including latest Technological Developments in the country and outside.

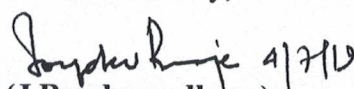
In line with the above developments, the **1st batch of Training Programme** for the benefit of Power System Protection Engineers is scheduled to be held **from 22.07.2019 to 26.07.2019 (5 days including Laboratory / site visits)** at **AIPM class room located at 2A, Lord Sinha Road, (Opposite to Sakhawat Memorial Govt. Girls' High School), Kolkata – 700071.**

It is therefore requested to kindly nominate one (1) or two (2) nos. engineers from each utility (preferably young engineers working in the relevant field) to attend the training programme commencing from **10:00 Hrs of 22.07.2019 (for 5 days)** at **AIPM, Kolkata – 700071**. The training programme is free of cost for the participants, however, the participants will have to make their own boarding & lodging arrangements during the training period.

The confirmation regarding nomination of the participants may please be sent to ERPC Secretariat positively by **16.07.2019 (Tuesday)** at **mserpc-power@nic.in / sarkhel.erpc@gmail.com** or by Fax **033 – 24239652 / 033 - 24239653.**

Encl: Training Schedule (Tentative)

Yours faithfully,


(J.Bandyopadhyay)
Member Secretary

Distribution of TCC Members:

1. Director (Operation), Orissa Hydro Power Corporation Ltd, Orissa State Police Housing & Welfare Corporation Building, Vanivihar Chowk, Janpath, Bhubaneswar-751022.
2. Director (Operation), Orissa Power Generation Corporation Ltd, Zone-A, 7th floor, Fortune Towers, Chandrasekharapur, Bhubaneswar-751023.
3. Chief Engineer (S&D-JBVNL), Jharkhand Urja Vikas Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi-834004.
4. Chief Engineer (S&D), Jharkhand Bijli Vitaran Nigam Limited , Engineering Building, HEC, Dhurwa, Ranchi-834004.
5. General Manager, Tenughat TPS, Lalpania, Dist- Bokaro, Jharkhand-829149.
6. Chief Engineer (Commercial), Bihar State Power Holding Company Ltd., Vidyut Bhavan , Bailey Road, Patna-800021.
7. Director (Project), South Bihar Power Distribution Company Limited , Vidyut Bhavan , Bailey Road, Patna-800021.
8. Director (O&M), WBPCL, Bidyut Unnayan Bhavan, 3C, Block-LA, Sector-III, Bidhannagar, Kolkata-700106.
9. General Manager (Technical), Durgapur Projects Ltd., Administrative Building, Durgapur-713201, West Bengal.
10. Regional Executive Director (ER-I), NTPC Ltd., 2nd floor, Lok Nayak Jai Prakash Bhawan, Dak Bunglow Chowk, Patna-800001.
11. Regional Executive Director (ER-II), NTPC Ltd., 3rd Floor, OLIC Building, Plot No.N-17/2, Nayapalli, Bhubaneswar-751012.
12. Executive Director (O&M), NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad-121003, Haryana.
13. Executive Director (ER-I), Power Grid Corporation of India Ltd, Board Colony, Shastri Nagar, Patna-800023.
14. Executive Director (ER-II), Power Grid Corporation of India Ltd, CF-17, Action Area-I, Newtown, Rajarhat, Near Axis Mall, Kolkata-700156.
15. Executive Director (Odisha Project), Power Grid Corporation of India Ltd, Plot No.4, Unit-41, Niladri Vihar, Chandrasekharapur, Bhubaneswar-751021.
16. Executive Director, ERLDC, POSOCO, 14 Golf Club Road, Kolkata -700 033.
17. Executive Director (Marketing), PTC India Ltd., NBCC Tower, 15 Bhikaji Cama Place, New Delhi-110066.
18. General Manager (BD), NTPC Vidyut Vyapar Nigam Limited, SCOPE Complex, Core-5, 1st & 2nd Floor, Lodhi Road, New Delhi-110003.
19. The Head (Marketing), Tata Power Trading Company Limited, B-12/13, 2nd Floor, Shatabdi Bhavan, Sector-4, Noida-201301, Uttar Pradesh.
20. Executive Director (Generation), CESC Ltd, CESC House, 1 Chowringhee Square, Kolkata-700001.
21. Station Head & General Manager (O&M), Maithon Power Ltd., Village-Dambhui, P.O. Barbindia, Dist.- Dhanbad, Jharkhand-828205.
22. Director, Adhunik Power & Natural Resources Ltd., Lansdowne Towers, 5th Floor, 2/1A Sarat Bose Road, Kolkata-700020.
23. Vice President & Head (O&M), GMR Kamalanga Energy Ltd., AT/PO-Kamalanga, PS-Kantabania, Via-Meramundali, Dist.-Dhenkanal, Odisha-759121.
24. Chief Operating Officer, Jindal India Thermal Power Limited, Plo No-2, Pocket-C, 2nd Floor, Nelson Mandela Road, Vasant Kunj, New Delhi-110070..
25. Managing Director, Teesta Urja Limited, 2nd Floor, Vijaya Building, 17 Barakhamba Road, New Delhi-110001.
26. Managing Director, Druk Green Power Corporation, P.O. Box -1351, Thimpu, Bhutan —(Fax No 00975-2336411)
27. Managing Director, Bhutan Power Corporation, P.O.Box-580, Thimpu, Bhutan (Fax No. 00975-2333578)
28. Chief Engineer (O&M), Tala H.E.Project, Bhutan (Fax No. 009752/324803)

TRAINING MODULE ON POWER SYSTEM PROTECTION**From 22.07.2019 to 26.07.2019 (5 Days)****DAY1 (22.07.2019):**

TIME	DESCRIPTION
9:30 AM	Registration & Inauguration
10:00 AM-1:30 PM	Basics of Power System Protection <ul style="list-style-type: none"> Need of protection system Basic Power System Protection Components Fault Characteristics Sub-station Equipment (Name plate study) <ul style="list-style-type: none"> CT, PT & Circuit Breaker (types, selection & testing) Speaker: CESC
1:30 PM -2:15 PM	LUNCH
2:15 PM-3:15 PM	Distribution Feeder Protection <ul style="list-style-type: none"> Over-current protection Communication assisted protection schemes Speaker: CESC
3:30 PM-5:30 PM	Transmission Line Protection <ul style="list-style-type: none"> Requirement of Distance protection Distance relay characteristics Zone protection philosophy Auto-reclosure <ul style="list-style-type: none"> Basics & Auto-reclosure operation Speaker: Powergrid

DAY 2 (23.07.2019):

TIME	DESCRIPTION
10:00 AM - 11:30 AM	<ul style="list-style-type: none"> Protection settings philosophy of ERPC Various problems faced in power system protection Case studies on protection coordination Speaker: ERPC
11:30 AM- 1:30 AM	Bus- Bar Protection and LBB <ul style="list-style-type: none"> Circuit breaker Schemes Advantages and Disadvantages of different CB schemes Busbar Arrangement Advantages and Disadvantages of different Busbar Arrangements Busbar Protection Local Breaker Backup Protection Speaker: DVC
1:30 PM-2:15 PM	LUNCH
2:15 PM-5:30 PM	Generator Protection <ul style="list-style-type: none"> Switchyard layout of Generation station Generator Protection (Traditional and modern protection system) Excitor failure Protection Speaker: DVC

DAY 3 (24.07.2019):

TIME	DESCRIPTION
10:00 AM-1:30 PM	Advanced transmission line protection <ul style="list-style-type: none"> Backup directional over current protection Over voltage protection Communicated assisted protection schemes Scheme logic for PUR/POR/Blocking/Week infeed Zone extension scheme logic Speaker: PRDC
1:30 PM-2:15 PM	LUNCH
2:15 PM-5:30 PM	Transformer Protection <ul style="list-style-type: none"> Differential Protection Restricted E/F Protection Over Load /Over Fluxing Protection Back-Up O/C & E/F Protection Other Transformer Protection Reactor Protection Speaker: PRDC

DAY 4 (25.07.2019):

TIME	DESCRIPTION
10:00 AM-5:30 PM (including Lunch from 1:30 PM – 2:15 PM)	Visit to 132/33 kV underground GIS substation Visit to 220 kV GIS and AIS substation of CESC to see the plants and equipment along-with Condition Monitoring Practices Speaker: CESC

DAY 5 (26.07.2019):

TIME	DESCRIPTION
10:00 AM-2:00 PM	Visit to relay Laboratory Speaker: CESC
2:00 PM-2:30 PM	LUNCH
2:30 PM-5:30 PM	Discussion and Valedictory Session

Note: The schedule may subject to change as per availability of Speaker