



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

Eastern Regional Power Committee
14, गोल्फ क्लब रोड, टॉलीगंज, कोलकाता-700033
14 Golf Club Road, Tollygunj, Kolkata-700033



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Tel. No.: 033-24239651,24239658 FAX No.:033-24239652, 24239653 Web: www.erpc.gov.in

No: ERPC/TCC&ERPCCOMMITTEE/14/2023/1513

Date: 22.02.2023

To:

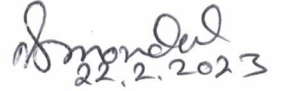
- 1) The ERPC Members
- 2) The TCC Members

**Subject: Minutes of 48th TCC & ERPC Meeting held on 17.02.2023 & 20.02.2023
respectively-reg**

Sir,

Please find enclosed Minutes of 48th TCC& ERPC Meeting held on 17.02.2023 & 20.02.2023 respectively through online MS Teams platform for your kind information & necessary action.

Yours faithfully,


22.2.2023

(N. S. Mondal)
Member Secretary

Distribution: ERPC Members

1. Chairperson, ERPC & Chairman-cum-Managing Director, Jharkhand Urja Vikas Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi-834004.
2. Chairman-cum-Managing Director, Jharkhand Urja Utpadan Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi-834004.
3. Managing Director, Jharkhand Urja Sancharan Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi-834004.
4. Managing Director, Jharkhand Bijli Vitaran Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi- 834004.
5. Managing Director, Tenughat Vidyut Nigam Ltd., Hinoo, Doranda, Ranchi – 834002
6. Chairman-cum- Managing Director, Bihar State Power Holding Company Ltd., Vidyut Bhavan, Bailey Road, Patna- 800001.
7. Managing Director, Bihar State Power Transmission Company Limited, Vidyut Bhavan, Bailey Road, Patna- 800001.
8. Managing Director, South Bihar Power Distribution Company Limited, Vidyut Bhavan, Bailey Road, Patna- 800001.
9. Chairman & Managing Director, West Bengal State Electricity Distribution Company Ltd., Vidyut Bhavan, 7th Floor, Block-DJ, Sector-II, Bidhannagar, Kolkata-700091.
10. Managing Director, West Bengal State Electricity Transmission Company Ltd., Vidyut Bhavan, 8th Floor, Block- DJ, Sector-II, Bidhannagar, Kolkata-700091.
11. Chairman & Managing Director, West Bengal Power Development Corporation Ltd., Bidyut Unnayan Bhavan, 3/C, Block LA, Sector-III, Bidhannagar, Kolkata-700098.
12. Managing Director, Durgapur Projects Ltd., Administrative Building, Durgapur-713201, West Bengal.
13. Principal Chief Engineer-cum-Secretary, Energy & Power Department, Govt. of Sikkim, Kazi Road, Gangtok – 737101, Sikkim.
14. Chairman-cum-Managing Director, Odisha Power Transmission Corporation Ltd., Janpath, Bhubaneswar- 751022.
15. Chairman, GRIDCO Ltd., Janpath, Bhubaneswar-751022.
16. Chairman-cum-Managing Director, OHPC Ltd., Orissa State Police Housing & Welfare Corporation Bldg. Vanivihar, Janpath, Bhubaneswar- 751022.
17. Managing Director, OPGC Ltd., Zone-A, 7th Floor, Fortune Towers, Chandrasekharpur, Bhubaneswar-751023.
18. Chairman, Damodar Valley Corporation, DVC Towers, VIP Road, Kolkata -700054.
19. Member (GO&D), Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
20. Director (Commercial), NTPC Ltd., Core-7, SCOPE Complex, Lodhi Road, New Delhi -110003.
21. Director (Technical), NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad, Haryana-121003.
22. Director (Operations), Power Grid Corporation of India Ltd., Saudamini, Plot No. 2, Sector-29, Gurgaon-122001.
23. COO, CTUIL, Saudamini, 1st Floor, Plot-1, Sector-29, Gurgaon-122001
24. Executive Director, ERLDC, POSOCO, 14 Golf Club Road, Tollygunge, Kolkata – 700033.
25. Chairman-cum- Managing Director, POSOCO, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110016
26. Director (C&O), PTC India Ltd., 2nd floor, NBCC Tower, 15 Bhikaji Cama Place, New Delhi- 110066.
27. Chief Executive Officer, NTPC Vidyut Vyapar Nigam Limited, SCOPE Complex, Core-3, 7th Floor, Lodhi Road, New Delhi-110003.
28. Managing Director, Tata Power Trading Company Limited, B12/13, 2nd Floor, Shatabdi Bhavan, Sector-4, Noida- 201301, Uttar Pradesh.
29. Managing Director (Generation), CESC Ltd., CESC House, 1 Chowringhee Square, Kolkata- 700001.
30. Chief Executive Officer, Maithon Power Ltd., Village-Dambhui, P.O. Barbindia, Dist.-Dhanbad, Jharkhand- 828205.
31. VP(Plant Head), GMR Kamalanga Energy Ltd., AT/PO-Kamalanga, PS-Kantabania, Via- Meramundali, Dist.- Dhenkanal, Odisha-759121.
32. Chief Executive Officer, Jindal India Thermal Power Limited, Plot No-12, Sector-B1, Local Shopping Complex, Vasant Kunj, New Delhi-110070.
33. Managing Director, Teesta Urja Limited, 2nd Floor, Vijaya Building, 17 Barakhamba Road, New Delhi- 110001.
34. CEO, Alipurdar Transmission Limited, 101, Part-III, G.I.D.C Estate, Gandhinagar, Gujrat-382028
35. CEO, BRBCL, Nabinagar, Dist- Aurangabad, Bihar-82430
36. Head (Procurement & Sale), IPCL, Salt Lake, Kolkata-700091
37. Managing Director (Generation), Haldia Energy Limited

Distribution: TCC Members

1. Chairperson, TCC & Managing Director, Jharkhand Urja Sancharan Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi-834004.
2. Executive Director (Tech), Jharkhand Urja Utpadan Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi-834004.
3. Director (Project), Jharkhand Urja Sancharan Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi-834004.
4. Chief Engineer (S&D-JBVNL), Jharkhand Urja Vikas Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi-834004.
5. Chief Engineer (S&D), Jharkhand Bijli Vitaran Nigam Limited, Engineering Building, HEC, Dhurwa, Ranchi-834004.
6. General Manager, Tenughat TPS, Lalpania, Dist- Bokaro, Jharkhand-829149.
7. Director (Tech.), Bihar State Power Generation Company Limited, Vidyut Bhavan, Bailey Road, Patna-800001.
8. Chief Engineer (Commercial), Bihar State Power Holding Company Ltd., Vidyut Bhavan, Bailey Road, Patna-800001.
9. Director (Project), South Bihar Power Distribution Company Limited, Vidyut Bhavan, Bailey Road, Patna-800001.
10. Director (Operations), West Bengal State Electricity Transmission Company Ltd., Vidyut Bhavan, 8th Floor, Block-DJ, Sector-II, Bidhannagar, Kolkata-700091.
11. Director (R&T), West Bengal State Electricity Distribution Company Ltd., Vidyut Bhavan, 7th Floor, Block- DJ, Sector-II, Bidhannagar, Kolkata-700091.
12. Director (O&M), WBPDC, Bidyut Unnayan Bhavan, 3C, Block-LA, Sector-III, Bidhannagar, Kolkata-700098.
12. General Manager (Technical), Durgapur Projects Ltd., Administrative Building, Durgapur, West Bengal-713201.
13. Principal Chief Engineer-II, Energy & Power Dept., Govt. of Sikkim, Kazi Road, Gangtok-737101.
14. Director (Operation), Odisha Power Transmission Corporation Ltd., Janpath, Bhubaneswar -751022.
15. Managing Director, GRIDCO Ltd., Janpath, Bhubaneswar-751022.
16. Director (Operation), Orissa Power Generation Corporation Ltd, Zone-A, 7th floor, Fortune Towers, Chandrasekharpur, Bhubaneswar-751023.
17. Director (Operation), Orissa Hydro Power Corporation Ltd, Orissa State Police Housing & Welfare Corporation Building, Vanivihar Chowk, Janpath, Bhubaneswar-751022.
18. Executive Director (Commercial), Damodar Valley Corporation, DVC Tower, VIP Road, Kolkata-700054.
19. Chief Engineer (GM), CEA, Sewa Bhawan, R.K. Puram, New Delhi-110066.
20. Regional Executive Director (ER-I), NTPC Ltd., 2nd floor, Lok Nayak Jai Prakash Bhawan, Dak Bunglow Chowk, Patna-800001.
21. Regional Executive Director (ER-II), NTPC Ltd., 3rd Floor, OLIC Building, Plot No.N-17/2, Nayapalli, Bhubaneswar-751012.
22. COO, CTUIL, Saudamini, 1st Floor, Plot-1, Sector-29, Gurgaon-122001
23. Executive Director (O&M), NHPC Ltd., NHPC Office Complex, Sector-33, Faridabad-121003, Haryana.
24. Executive Director (ER-I), Power Grid Corporation of India Ltd, Board Colony, Shastri Nagar, Patna-800023.
25. Executive Director (ER-II), Power Grid Corporation of India Ltd, CF-17, Action Area-I, Newtown, Rajarhat, Near Axis Mall, Kolkata-700091.
26. Executive Director (Odisha Project), Power Grid Corporation of India Ltd, Plot No-4, Unit 41, Niladri Vihar, Chandrasekharpur, Bhubaneswar, Odisha-751021.
27. Executive Director, ERLDC, POSOCO, 14 Golf Club Road, Kolkata-700033.
28. Executive Director, National Load Dispatch Center, POSOCO, B-9 Qutab Institutional Area, Katwaria Sarai, New Delhi-110016.
29. Executive Director (Marketing), PTC India Ltd., NBCC Tower, 15 Bhikaji Cama Place, New Delhi-110066.
30. Chief General Manager, NTPC Vidyut Vyapar Nigam Limited, SCOPE Complex, Core-3, 7th Floor, Lodhi Road, New Delhi-110003.
31. Head (Marketing), Tata Power Trading Company Limited, B-12/13, 2nd Floor, Shatabdi Bhavan, Sector-4, Noida-201301, Uttar Pradesh.
32. Vice President (System Operation), CESC Ltd, CESC House, 1 Chowringhee Square, Kolkata-700001.
33. Station Head & General Manager (O&M), Maithon Power Ltd., Village-Dambhui, P.O. Barbindia, Dist.-Dhanbad, Jharkhand-828205.
34. GM (Head-Electrical
35.), GMR Kamalanga Energy Ltd., AT/PO-Kamalanga, PS-Kantabania, Via-Meramundali, Dist.-Dhenkanal, Odisha-759121.
36. Chief Operating Officer, Jindal India Thermal Power Limited, Plot No-12, Sector-B1, Local Shopping Complex, Vasant Kunj, New Delhi-110070.
37. Managing Director, Teesta Urja Limited, 2nd Floor, Vijaya Building, 17 Barakhamba Road, New Delhi-110001.
38. CEO, Alipurdar Transmission Limited, 101, Part-III, G.I.D.C Estate, Gandhinagar, Gujrat-382028
39. Head (Comml), IPCL, Salt Lake, Kolkata-700091
40. Managing Director (Generation), Haldia Energy Limited

EASTERN REGIONAL POWER COMMITTEE, KOLKATA

MINUTES OF 48th ERPC MEETING

Date: 20th Feb, 2023(Monday), at 11:00 Hrs

Mode: online through MS Teams

List of participants is enclosed at Annexure-I.

A. Establishment of Paradip 765/400/220kV, 3x1500MVA + 2x500MVA substation (ERES-XXXIV)

1. In the 1st CMETS-ER held on 25-11-2021, implementation of 765/400/220kV Paradeep substation under intra-state scheme was agreed to meet the upcoming industrial demand in the area. The feed was provided to Paradeep from Angul (POWERGRID) S/s through 765kV D/c line. Principal Secretary to Government, Department of Energy, Govt. of Odisha vide letter dated 27-12-2022 addressed to Secretary (Power), Ministry of Power, Govt. of Odisha has proposed for construction of Paradeep 765kV substation under ISTS.
2. New industrial demand in the range of 6-7GW is expected in Paradeep area starting from FY 2023- 24. Paradeep is emerging as Green Hydrogen Hub and various industries have expressed investment intentions to set up Green Hydrogen and Green Ammonia plants in Paradeep due its location advantage.
3. There is a requirement of ISTS corridor to supply RE power from outside Odisha, to meet the RPO of these industries. Thus, keeping in view critical nature of large industrial demand and quantum of power requirement it is essential that Paradeep substation is feed reliably from ISTS, and with high capacity lines. The quantum of power requirement by some of the industries, viz. JSW Utkal Steel (340MW); IOCL (280MW) and Essar Steel (400MW) can be met through 220kV level. Accordingly, it is proposed to establish a 765/400/220kV substation at Paradeep under ISTS with two different sources viz. Angul and Medinipur in phased manner.
4. In the initial phase, Paradeep S/s along with Angul – Paradeep 765kV D/c line is planned to be established to meet the early industrial demand of about 1400-1500MW. Subsequently, with growth in demand new 765/400kV or 400/220kV ICTs would be installed in progressive manner. In the subsequent phase, Angul – Paradeep 765kV 2nd D/c line and Paradeep – Medinipur 765kV D/c line to meet the industrial demand of about 5500-6000MW would be taken up progressively by 2027-28.
5. With establishment of Paradeep – Medinipur 765kV D/c link, Angul – Paradeep – Medinipur – Ranchi (New) – Dharamjaygarh – Sundargarh – Angul 765kV ring shall be established, which shall help in reliable transfer of RE power from outside ER to various states of ER viz. Odisha, Jharkhand, and West Bengal during high RE generation scenarios.
6. The present scheme is for establishment of Paradeep 765/400/220kV new substation along with Angul – Paradeep 765kV D/c line in initial phase, which has been approved in the 14th CMETS-ER held on 29th Dec 2022. Balance portion would be taken up progressively with demand growth.

Paradeep 765kV S/s approved under intra-state in the 1st CMETS-ER shall not be implemented by OPTCL in view of the instant plan of establishment of 765kV S/s at Paradeep in ISTS.

7. The brief scope of the scheme is given below:

- i. Establishment of Paradeep 765/400/220kV 3x1500MVA + 2x500MVA S/s
- ii. Angul (POWERGRID) – Paradeep 765kV D/c line along with 765kV, 1x330MVA switchable line reactor with 500 ohm NGR (with NGR bypass arrangement) at Paradeep end in both circuits
- iii. Paradeep – Paradeep (OPTCL) 400kV D/c (Quad) line
- iv. 2 nos. 765kV line bays (along with space for future switchable line reactor) at Angul 765/400kV S/s for termination of Angul (POWERGRID) – Paradeep 765kV D/c line.
- v. 2 nos. 400kV line bays at Paradeep (OPTCL) S/s for termination of Paradeep – Paradeep (OPTCL) 400kV D/c (Quad) line.

The detail scope of the scheme as well as the study result submitted by CTU is enclosed at Annexure-A.

Estimated Cost: Rs. 2613.10 Cr.

Deliberation in TCC Meeting:

CTUIL representative briefed the requirement and scope of the proposed transmission scheme at Paradip, Odisha. He informed that the scheme was considered under ISTS upon the request of dept of energy, Govt of Odisha to meet the demand of upcoming Green Hydrogen and Green Ammonia plants which would receive RE power from outside Odisha through ISTS corridor. The scheme will be implemented in phase wise and the present scheme under consideration is for first phase with implementation timeframe of 24 months from the date of award i.e. 2024-25.

The followings observations with respect to the proposed scheme were deliberated in the meeting:

- *Timeline for commissioning of downstream transmission system: OPTCL representative submitted that 400/220 kV Paradip(OPTCL) s/s along with connecting lines to ISTS will be coming with the matching time line of the ISTS system at Paradip. The substation as well as transmission line contracts have already been awarded and the schedule timeframe for completion is Dec-24.*
- *220 kV level in ISTS system: It was informed that 220 kV level is being implemented in view of anticipated drawl requirement from other industries as provided by OPTCL.*

Director(O), OPTCL stated that the demand of each of green hydrogen/ammonia industries are to the tune of 600 -2000 MW therefore those industries are most likely to be connected to ISTS at 400 kV level. The other industries which will be coming up with lower power requirement would be connected at 220 kV level. He clarified that at present OPTCL has no plan of drawing power at 220 kV level from ISTS system at Paradip.

- *Representative from ERLDC raised the following observations:*

For the green hydrogen/green ammonia industries, the nature of load(active or passive) may be identified and effect of that load on fault level of the substation shall be studied.

While granting connectivity to industries, dynamic studies may be carried out considering the captive generation of the industries and effect of large induction motors into the national grid.

After detailed discussion, TCC recommended the proposed transmission scheme at Paradip with following observations:

- Requirement of 220 kV level in first phase of the scheme under ISTS system may be reviewed at CTU/NCT level and the same may be considered for implementation in future phase of the proposed transmission scheme based on the requirement received from industries/OPTCL.
- As Paradip is a coastal town very near to Bay of Bengal, the substation/transmission infrastructure has to be robust and cyclone/flood resilient. The relevant guidelines of CEA in this regard shall be followed while designing the scheme.
- Before granting connectivity to the industries to ISTS, CTU may identify the nature of load and the effect of the load/captive generation on the grid through modelling and dynamic study of the system.

Deliberation in ERPC Meeting

Representative of CTUIL briefly explained the requirement and scope of the scheme.

Representative of JBVNL made a query to CTU over the usefulness of the project for states of ER other than Odisha and stated that financial implication due to above project shall be analyzed and shared with the respective states. CTU responded that the Indian grid is now an integrated grid and every stakeholder shares the benefit of this integrated grid. The proposed scheme would help in bulk transfer of RE power from RE surplus region to Eastern Region.

Representative of JUSNL suggested that three nos. of 765/400 kV ICTs may be implemented in phased manner based on the load requirement instead of at a one go. Further it was also suggested to drop implementation of 220 kV level from 1st phase of the proposed transmission scheme. The same may be included in future scope of work.

West Bengal representative stated that as the scheme is required to essentially meet RE power requirement of green hydrogen/green ammonia industries, the same may be implemented.

CMD, OPTCL informed that the demand projected at Paradip is to the tune of 6000 MW in the time frame 2027-28 out of which 3000 MW would come up by 2024-25. Requirement of power for 1500 MW have already been received from various industries. Further, the govt of Odisha has started single window clearance for setting up of green hydrogen/green ammonia industries to fast track the process. He stated that as there is a requirement of huge RE power by the industries and the RE power need to be transmitted from other region through ISTS, the proposal has been considered under ISTS. The project is required to ensure reliable supply of power to the upcoming industries and need to be implemented in expeditious manner.

After detailed deliberation, ERPC observed the following:

- The requirement of 220 kV level in first phase of the scheme may be reviewed at CTU/NCT level as majority of the green hydrogen industry is going to be connected at 400 kV level and at present there is no firm demand for drawal of power from 220 kV level of ISTS system.
- The observation of JBVNL & JUSNL may be taken into consideration.
- As Paradip is a coastal town very near to Bay of Bengal, the substation/transmission infrastructure has to be robust and cyclone/flood resilient. The relevant guidelines of CEA in this regard shall be followed while designing the scheme. The substation may be implemented as GIS system.
- The projected load growth has to be realistic and the implementation of scheme may be planned matching with the load projection.

List of Participants in 48th ERPC Meeting

Name	First join
ERPC Kolkata	2/20/23, 10:45:31 AM
Gaurab Dash	2/20/23, 10:45:40 AM
SLDC, ODISHA (Guest)	2/20/23, 10:45:41 AM
GRIDCO, Odisha (Guest)	2/20/23, 10:45:41 AM
Pradeep Mahapatra	2/20/23, 10:45:47 AM
Rajesh Kumar	2/20/23, 10:47:13 AM
OPTCL Odisha	2/20/23, 10:49:09 AM
Sougato Mondal	2/20/23, 10:53:06 AM
CMD OPTCL	2/20/23, 10:53:59 AM
GM SLDC Ranchi (Guest)	2/20/23, 10:54:51 AM
SUBHASIS GHOSH	2/20/23, 10:57:09 AM
Shyamal Konar	2/20/23, 10:57:59 AM
R L Panda (Guest)	2/20/23, 10:58:28 AM
Amresh Mallick	2/20/23, 10:59:43 AM
Y K Dixit (Guest)	2/20/23, 10:59:44 AM
CTU -2	2/20/23, 11:00:13 AM
ohpc	2/20/23, 11:01:32 AM
Chandan Mallick	2/20/23, 11:01:41 AM
Shabari Pramanick	2/20/23, 11:01:42 AM
Akash Kumar Modi	2/20/23, 11:01:44 AM
Saurav Sahay	2/20/23, 11:01:46 AM
Bilash Achari	2/20/23, 11:01:53 AM
Saibal Ghosh	2/20/23, 11:01:59 AM
shyam.goyal	2/20/23, 11:02:13 AM
Marisarla Viswanadh	2/20/23, 11:02:19 AM
Ashok Pal	2/20/23, 11:02:25 AM
BB Mehta Odisha	2/20/23, 11:03:26 AM
Chandan kumar	2/20/23, 11:06:31 AM
Rishi Nandan, Jharkhand Bijili Vitran Nigam General Ma	2/20/23, 11:07:18 AM
Ashok Pal	2/20/23, 11:07:25 AM
Manas Das	2/20/23, 11:08:30 AM
Ankit Jain (Guest)	2/20/23, 11:13:33 AM
AJAYA SAHU (Guest)	2/20/23, 11:13:37 AM
Rishi Nandan,General Manager ,Commercial,JJBVNL	2/20/23, 11:15:28 AM
MD JUSNL (Guest)	2/20/23, 11:19:03 AM

List of Participants in 48th TCC Meeting

Name	First join
ERPC Kolkata	2/17/23, 10:48:11 AM
GRIDCO, Odisha (Guest)	2/17/23, 10:48:22 AM
Anuj Kumar/ Rohit Anand (Gird-India) (Guest)	2/17/23, 10:48:23 AM
OPTCL Odisha	2/17/23, 10:48:23 AM
Raj Kishan (Guest)	2/17/23, 10:48:23 AM
SLDC, ODISHA (Guest)	2/17/23, 10:48:24 AM
ohpc	2/17/23, 10:50:14 AM
Raj kishan	2/17/23, 10:50:42 AM
NLDC	2/17/23, 10:51:42 AM
Harish Saran, PTC	2/17/23, 10:55:02 AM
CTU -2	2/17/23, 10:55:16 AM
Manish Ranjan Keshari, CTU	2/17/23, 10:56:05 AM
shyam.goyal	2/17/23, 10:56:43 AM
Amit kumar	2/17/23, 10:56:49 AM
Priyam Jain	2/17/23, 10:57:23 AM
ED,Commercial,DVC	2/17/23, 10:58:00 AM
Sougato Mondal	2/17/23, 10:58:01 AM
Debabrata Biswas	2/17/23, 10:58:06 AM
BB Mehta Odisha	2/17/23, 10:59:21 AM
Pradeep Mahapatra	2/17/23, 10:59:53 AM
Amresh Mallick	2/17/23, 11:00:01 AM
R L Panda (Guest)	2/17/23, 11:00:06 AM
Chandan Mallick	2/17/23, 11:00:07 AM
Nishant Kumar Shankwar	2/17/23, 11:01:07 AM
Manas Das	2/17/23, 11:01:10 AM
Jasbir Singh	2/17/23, 11:01:17 AM
Deepak kumar (Guest)	2/17/23, 11:02:20 AM
Chandan kumar	2/17/23, 11:02:40 AM
Akash Kumar Modi	2/17/23, 11:02:47 AM
Virendra Kumar, DGM(Comml) (Guest)	2/17/23, 11:03:21 AM
Shabari Pramanick	2/17/23, 11:03:22 AM
Saurav Sahay	2/17/23, 11:03:29 AM
Bilash Achari	2/17/23, 11:03:49 AM
Ashok	2/17/23, 11:04:11 AM
Sandip Pal CESC	2/17/23, 11:04:30 AM
Chiranjib Bhowmik (Guest)	2/17/23, 11:05:02 AM
Ranajit Pal	2/17/23, 11:05:21 AM
Saibal Ghosh	2/17/23, 11:05:24 AM
Virendra Kumar, DGM(Comml) (Guest)	2/17/23, 11:05:54 AM
Arunava Sen Gupta	2/17/23, 11:06:36 AM
Ankit Jain (Guest)	2/17/23, 11:06:37 AM
AJAYA SAHU (Guest)	2/17/23, 11:13:54 AM
Raj kishan	2/17/23, 11:15:23 AM
A Basu	2/17/23, 11:21:12 AM
Prasanna Kumar Sahoo	2/17/23, 11:25:27 AM
Biswajit Mondal	2/17/23, 11:27:24 AM
RE, BSPHCL, Kolkata	2/17/23, 11:32:25 AM
Sandip Pal CESC	2/17/23, 11:38:20 AM
Abhishek	2/17/23, 11:56:23 AM
Dilip Bisui	2/17/23, 12:10:09 PM
ohpc	2/17/23, 12:22:55 PM
Marisarla Viswanadh	2/17/23, 12:27:42 PM