

**Minutes of the 5th Meeting of the Joint Steering Committee (JSC) on India-Nepal
Cooperation in Power Sector held on 17th April 2018 in New Delhi, India**

The 5th meeting of the JSC on cooperation in Power Sector was held in New Delhi on 17th April 2018. Mr. A. K. Bhalla, Secretary, Ministry of Power, Government of India welcomed Mr. Anup Kumar Upadhyay, Secretary, Ministry of Energy, Water Resources & Irrigation and the Nepali delegation. Mr. Upadhyay thanked the Government of the Republic of India for the warm welcome and hospitality extended to the Nepali delegation. Lists of delegations are given at **Annexure-A**.

(1) Adoption of agenda.

Both sides adopted the agenda provided at **Annexure-B**.

(2) Review of the decisions of 4th JSC meeting held on 14-02-2017 in Kathmandu, Nepal and 5th JWG meeting held on 16-04-2018 in New Delhi, India

Decisions of the 4th JSC and 5th JWG meetings were reviewed and discussed under the agenda items as below.

(3) Operation of Muzaffarpur - Dhalkebar 400kV D/c cross border transmission line at 220kV and 400kV

JSC noted the deliberations of the JWG that the 220kV and 400kV substation at Dhalkebar under the scope of Nepali side is expected to be completed by May 2018 and December 2019 respectively.

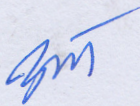
In regard to 400kV operation of the line, both sides agreed that the 2 no. of 400kV line bays at Muzaffarpur substation of PGCIL, India are to be implemented by Cross Border Power Transmission Company of India (CPTC), as per the existing Implementation & Transmission Service Agreement (ITSA) between CPTC and Nepal Electricity Authority (NEA). CPTC had implemented the Muzaffarpur-Dhalkebar 400kV line.

(4) Review of power trade through existing cross-border links including recently commissioned Kataiya-Kusaha and Raxaul-Parwanipur 132kV lines and augmentation of transformation capacity at Tanakpur.

JSC noted the deliberations of the JWG in regard to commissioning and power transfer through Kataiya-Kusaha and Raxaul-Parwanipur 132kV lines.

Nepali side appreciated the support and cooperation extended by the Govt. of India for funding above lines which has enhanced the power import capability of Nepal by about 100MW.

Regarding augmentation of transformation capacity at Tanakpur, JWG informed that a 2nd 50MVA transformer needs to be installed at Tanakpur at a cost of about INR 16 Cr.



The modalities of funding and land availability would be finalised by the Indian side at the earliest.

JSC took note of it.

(5) Review of progress of Joint Technical Team (JTT) and Joint Operational Committee (JOC) tasks on:

(i) New Butwal - Gorakhpur (New) 400kV D/c (Quad) Moose Cross - Border transmission line.

JSC noted the deliberation of the JWG.

Both sides agreed that the Nepal portion of New Butwal - Gorakhpur (New) 400kV line would be implemented by Govt. of Nepal from its own resources. In regard to Indian portion of the New Butwal - Gorakhpur (New) 400kV line, both sides agreed that the line would be required by Nepal to import power from India in the initial few years. Subsequently, power would be exported from Nepal to India through this line. Keeping this in view, Central Electricity Authority (CEA) and Nepal Electricity Authority (NEA) shall study and suggest quantum of utilization of transmission capacity through the New Butwal - Gorakhpur (New) line vis-a-vis its implementation/funding modalities within next three months.

(ii) Coordinated Grid Operation

JSC noted the deliberation of the JWG.

(6) Study of 400kV New Lumki-Bareilly and New Duhabi-New Purnea cross border transmission lines.

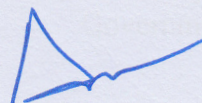
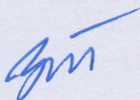
JSC noted the deliberation of the JWG that JTT shall carry out detailed study for implementation of New Lumki-Bareilly and New Duhabi-New Purnea lines based on revised schedules for hydro projects in Nepal. It was further decided that study shall be carried out within next three months.

(7) Progress of Arun-3 and other Hydro Power Projects in Nepal.

JSC noted the deliberations of the JWG in regard to Arun-3, Upper Karnali and other hydro projects.

Indian side appreciated the support and cooperation extended by Nepali side to Indian project developer of Arun-3 HEP.

Indian side requested for nomination of one senior officer as the Nodal Officer for addressing and coordinating various concerns including remittances in INR, highway/road-bridge strengthening, mobile/internet connectivity at project site etc. of the Arun-3 project developer.



Nepali side stated that Arun-3 project developer may continue to approach Investment Board of Nepal (IBN) for their concerns/issues. IBN would be requested to nominate a senior officer for this purpose.

- (8) Stringing of second circuit of Kataiya-Kusaha and Raxaul-Parwanipur 132kV S/c lines on D/C tower.**

JSC noted the deliberations of the JWG that JTT shall study the requirement of 2nd circuit of Kataiya-Kusaha and Raxaul-Parwanipur 132kV lines. It was further decided that study shall be carried out within next three months.

- (9) Additional 132kV and 33kV transmission lines as referred by the 11th PEC meeting.**

JSC noted the deliberations of the JWG that CEA shall study the requirement of three new 132kV radial lines from Uttar Pradesh, India.

- (10) Power Transmission through Energy Banking as referred by the 11th PEC meeting.**

JSC noted the deliberations of the JWG.

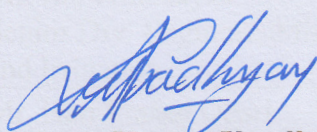
Indian side stated that the energy banking concept may involve discussion with Indian states and detailed analysis of power scenario, tariff etc. in different seasons for both seller and buyer. It was agreed that CEA and NEA would study the proposal/issues involved in exchange of power through energy banking.

- (11) Review of progress regarding Guidelines/Regulations on Cross Border Trade of Electricity including procurement of power through open competitive bidding.**

JSC noted the deliberations of the JWG that the provisions of the existing Cross Border Guidelines are under revision and would be shared through Ministry of External Affairs, India.

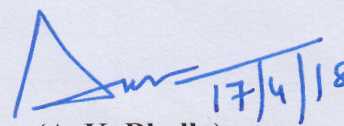
- (12) Meeting of the 6th Joint Steering Committee (JSC)**

It was decided to hold the next JSC meeting in the month of September/October 2018 in Pokhara, Nepal.



(Anup Kumar Upadhyay)

Secretary
Ministry of Energy,
Water Resources & Irrigation
Government of Nepal



(A. K. Bhalla)

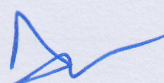
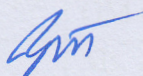
Secretary (Power)
Ministry of Power
Government of India

Annexure-A

5th Joint Steering Committee (JSC) Meeting on India-Nepal Cooperation in Power Sector held on 17th April 2018 in New Delhi, India

List of Delegates from Nepal

| Sl. No. | Name and Designation | Position |
|---------|--|----------|
| 1. | Mr. Anup Kumar Upadhyay Secretary, Ministry of Energy, Water Resources & Irrigation | Co-Chair |
| 2. | Mr. Dinesh Kumar Ghimire Joint Secretary, Ministry of Energy, Water Resources & Irrigation | Member |
| 3. | Mr. Bhrigu Dhungana Joint Secretary, Ministry of Foreign Affairs | Member |
| 4. | Mr. Toyenath Adhikari Joint Secretary, Ministry of Law, Justice and Parliamentary Affairs | Member |
| 5. | Mr. Madhu Prasad Bhetuwal Joint Secretary, IBN Nepal | Member |
| 6. | Mr. Kul Man Ghising Managing Director, NEA | Member |
| 7. | Mr. Nabinraj Singh Director General, DoED | Member |
| 8. | Mr. Sandip Kumar Dev Deputy Director General, DoED | Member |
| 9. | Mr. Sanjaya Dhungel Deputy Director General, DoED | Member |
| 10. | Mr. Prabal Adhikari Head, Department of Power Trade, NEA | Member |
| 11. | Mr. Jagadishwar Man Singh Deputy Managing Director, NEA | Member |
| 12. | Mr. Sagar Raj Goutam Senior Div. Engineer, Ministry of Energy, Water Resources and Irrigation | Member |
| 13. | Mr. Raju Maharjan Senior Div. Engineer, Ministry of Energy, Water Resources and Irrigation | Member |
| 14. | Mr. Hari Prasad Odari Counsellor, Embassy of Nepal, New Delhi | Member |

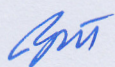


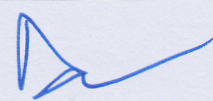
Annexure-A

5th Joint Steering Committee (JSC) Meeting on India-Nepal Cooperation in Power Sector held on 17th April 2018 in New Delhi, India

List of Delegates from India

| Sl. No. | Name and Designation | Position |
|---------|---|----------|
| 1. | Mr. A. K. Bhalla Secretary (Power), Ministry of Power | Co-Chair |
| 2. | Ms. Bharati Joint Secretary (Transmission), Ministry of Power | Member |
| 3. | Ms. Archana Agarwal Joint Secretary (Hydro), Ministry of Power | Member |
| 4. | Mr. P S Mhaske Member (Power System), Central Electricity Authority | Member |
| 5. | Mr. Sudhakar Dalela Joint Secretary (North), Ministry of External Affairs | Member |
| 6. | Mr. N L Sharma CMD, SJVN Ltd. | Member |
| 7. | Mr. Dhiraj Kumar Srivastava Director, Ministry of Power | Member |
| 8. | Mr. N. Ram Prasad Counsellor (Commerce), Embassy of India, Kathmandu | Delegate |
| 9. | Mr. Prabhakar Singh Director (Projects), POWERGRID | Delegate |
| 10. | Mr. P K Agarwal Director (MO), POSOCO | Delegate |
| 11. | Mr. R.K. Bansal Director (Electrical), SJVN Ltd. | Delegate |
| 12. | Mr. S.K.Ray Mohapatra Chief Engineer (PSP&A-II), Central Electricity Authority | Delegate |
| 13. | Mr. A.K. Garg CEO, NVVN. | Delegate |
| 14. | Dr. Subir Sen COO (CTU-Planning & SG), POWERGRID | Delegate |
| 15. | Mr. Anil Mehra Executive Director (International Business), POWERGRID | Delegate |
| 16. | Mr. Ashok Pal GM (CTU-Planning), POWERGRID | Delegate |
| 17. | Ms. Ann Haokip Under Secretary (Nepal), Ministry of External Affairs | Delegate |





Annexure-B

Agenda for 5th Joint Steering Committee (JSC) Meeting on India-Nepal Cooperation in Power Sector held on 17th April 2018 in New Delhi, India

1. Adoption of Agenda.
2. Review of the decisions of 4th JSC meeting held on 14-02-2017 in Kathmandu, Nepal and 5th JWG meeting held on 16-04-2018 in New Delhi, India
3. Operation of Muzaffarpur-Dhalkebar 400kV D/c cross border transmission line at 220kV and 400kV.
4. Review of power trade through existing cross-border links including recently commissioned Kataiya-Kusaha and Raxaul-Parwanipur 132kV lines and augmentation of transformation capacity at Tanakpur.
5. Review of progress of Joint Technical Team (JTT) and Joint Operational Committee (JOC) tasks on:
 - (i) New Butwal-Gorakhpur (New) 400kV D/c (Quad) Moose Cross-Border transmission line.
 - (ii) Coordinated Grid Operation
6. Study of 400kV New Lumki-Bareilly and New Duhabi-New Purnea cross border transmission lines.
7. Progress of Arun-III and other Hydro Power Projects in Nepal.
8. Stringing of second circuit of Kataiya-Kusaha and Raxaul-Parwanipur 132kV S/c lines on D/C tower.
9. Additional 132kV and 33kV transmission lines as referred by the 11th PEC meeting.
10. Power Transmission through Energy Banking as referred by the 11th PEC meeting.
11. Review of progress regarding Guidelines/Regulations on Cross Border Trade of Electricity including procurement of power through open competitive bidding.
12. Meeting of the 6th Joint Steering Committee (JSC).
13. Any other matter.

