

I/2035/2018



भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

केन्द्रीय विद्युत प्राधिकरण

Central Electricity Authority

विद्युत प्रणाली परियोजना प्रबोधन प्रभाग

Power System Project Monitoring Division

सेवा में,

(संलग्न सूची के अनुसार)

विषय: जम्मू एवं कश्मीर विद्युत विभाग के पारेषक और वितरण क्षेत्र के लिए प्रधान मंत्री विकास पैकेज (पी एम डी पी -2015) की समीक्षा करने के लिए मुख्य अभियंता (विद्युत प्रणाली परियोजना प्रबोधन प्रभाग) के वि प्रा द्वारा 07.08.2018 को ली गई बैठक का कार्यवृत्त ।

Subject: Minutes of meeting taken by CE (PSPM), CEA on 07.08.2018 to review the progress of Prime Minister Development package (PMDP-2015) for transmission of J&K Power Department-Reg.

महोदय,

जम्मू एवं कश्मीर विद्युत विभाग के पारेषक और वितरण क्षेत्र के लिए प्रधान मंत्री विकास पैकेज की समीक्षा करने के लिए मुख्य अभियंता (विद्युत प्रणाली परियोजना प्रबोधन प्रभाग) द्वारा 07.08.2018 को ली गई बैठक का कार्यवृत्त संलग्न है ।

संलग्नक: यथोपरी।

भवदीय,

(संजय जैन / Sanjay Jain)

निदेशक / Director

प्रति सूचनार्थ:

1. संयुक्त सचिव (ट्रांस), विद्युत मंत्रालय, श्रम शक्ति भवन, रफी मार्ग, नई दिल्ली-110001
2. मुख्य अभियंता (पी एस पी ए -I), के. वि. प्रा.
3. सदस्य (विद्युत प्रणाली), केविप्रा के प्रधान निजी सचिव

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List of Addressees:

| Sl. No. | Organization n | Address | Tele/Fax No./email |
|---------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | PGCIL | Chairman and Managing Director POWERGRID Saudamini, Plot No.2, Sector 29, Near IFFCO Chowk, Gurgaon (Haryana) - 122001 | 0124- 2571800/2571900 01242571990/2571922/2571760/ 9810530571 cmd@powergridindia.com isjha@powergridindia.com ajaiiku@hotmail.com bpkundu@powergridindia.com |
| 2. | JKPDD | Development Commissioner (Power), PDD, Govt. of J&K, Power House, Janipur, Jammu-180007 | 0191-2532809, 01912534284 FAX: 01912530265 dcpjkpdd@yahoo.com, sojpd@gmail.com |
| 3. | RECTPCL | Chief Executive Officer REC Transmission Projects Company Limited ECE House, 3rd Floor, Annexe-II 28-A, K G Marg, New Delhi -110001 | 011-41020101 Fax: 011-24360644 dheeraj.hwr@gmail.com Pravash.rectpcl@gmail.com Bhupender.g@gmail.com vivekagarwal.rec@gmail.com 011 47964796 (4 Lines) Fax. 011 47964747 |

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Minutes of meeting taken by Chief Engineer (PSPM), CEA on 07.08.2018 to review the progress of transmission works (132 kV & above) covered under Prime Minister Development Package(PMDP)-2015 for J&K.

List of participants is enclosed at Annexure-I.

1. At the outset, Chief Engineer (PSPM) welcomed all participants and after brief introduction he requested Director (PSPM) to take up the agenda of the meeting.
2. Director (PSPM) stated that PMDP-2015 scheme covers various T&D works required for augmentation of existing T&D network of J&K for evacuation of upcoming generation projects and to cater load of 3000 MVA at the end of 13th Plan (2021-22). MoP had approved T&D project (PMDP-2015) in Jan, 2017 at an estimated cost of Rs. 1189.59 crs with the completion schedule of 30 months from date of sanction. The project is being implemented through PGCIL, RECPTL and JKPDD.
3. **RECPTCL**
RECPTCL informed that total nine elements (three nos. transmission lines and six nos. sub-stations) are to be constructed by RECPTCL as project implementing agency (PIA) for intra state transmission system under PMDP-2015. The Project Management Agency (PMA) for these works is PGCIL.

RECPTL submitted details of transmission works as under:

Transmission Lines:

| S. No. | Transmission Line | Ckt Type | Voltage | Length (Ckm) | Project Management Agency (PMA) | Region |
|--------|--------------------------------------|----------|---------|--------------|---------------------------------|--------|
| 1 | LILO of Barn - Kishanpur at Nagrota | S/C | 220 | 10 | PGCIL | Jammu |
| 2 | Kargil - Padum (Zanaskar) line | S/C | 220 | 207 | PGCIL | Kargil |
| 3 | Phyang (PGCIL) - Diskit (Nubra) line | S/C | 220 | 100 | PGCIL | Leh |

Sub-Stations:

| S. No. | Substation Name/ Element Name | Voltage Ratio | MVA | Project Management Agency (PMA) | Region |
|--------|-------------------------------|---------------|------|---------------------------------|---------|
| 1 | Nagrota S/S | 220/33 | 2x50 | PGCIL | Jammu |
| 2 | Bay at Kargil | 220/66 | 0 | PGCIL | Kargil |
| 3 | Lassipora (GIS) | 220/33 | 160 | PGCIL | Kashmir |
| 4 | Padum S/S | 220/33 | 1x50 | PGCIL | Kargil |
| 5 | Bay at Phyang | 220/33 | 0 | PGCIL | Leh |
| 6 | Diskit (Nubra) | 220/33 | 1x50 | PGCIL | Leh |

RECPTCL submitted current status of progress of each transmission element as under;

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(i) **LILO of Barn - Kishanpur 220kV S/C line at Nagrota including 2x50MVA, 220/33kV, Nagrota S/S**

The tendering process has been completed and notification of award has been issued on 06.07.2018 to the successful bidder i.e. M/s JK Engineers in JV with Shreem Electric Ltd. JKPDD is yet to hand over land for Nagrota s/s. After acquiring land by RECTPCL, same would transferred to contractor for initiating the site activities such as layout finalization, L-1 Network finalization, Soil Investigation, FQP & MQP preparation etc.

(ii) **Kargil - Padum (Zanaskar) 220kV S/C line, Phyang (PGCIL) - Diskit (Nubra) 220kV S/C line**

- RECTCL informed that due to low estimated cost, RECTPCL could not award contract and decided to carry out the survey to re-estimate the cost. Survey work was completed in September 2017 and based on survey, BOQ and cost estimate of the transmission system was prepared and forwarded to JKPDD on 5th December 2017. The estimated cost as based on the site survey is Rs 1196.48 Crore.
- JKPDD vide letter dated 05.02.2018 suggested to change the route of line to Drass - Padum instead of Kargil - Padum citing the reason that nearby area of Kargil Substation has become denser and JKPDD has faced severe ROW problem while executing 66 kV Line from Chutuk Power House and advised RECTPCL to explore/re-survey the possibilities of taking this line to Padum(Zanskar) from 50 MVA, 220/66 kV Drass s/s by PGCIL. Accordingly, RECTPCL reworked the BOQ & Cost estimates.
- RECPTL submitted revised cost estimate (RCE) for Rs 1064.45 Crore to JKPDD on 21.02.2018 after rerouting the line (length of the Drass - Padum line is 196 km against the 207 km Kargil – Padum line).
- JKPDD forwarded the cost estimate to PGCIL (PMA for Project) on 20.03.2018. PGCIL submitted their comments to RECPTCL on 13.04.2018.
- As suggested by PGCIL, RECTPCL consulted Snow & Avalanche Study Establishment (SASE) of DRDO for exploring provision of UG Cable in Avalanche prone area. SASE recommended that transmission line projects are in pre-tendering stage and the alignments given in the *kmz files are tentative in nature and may change at the time of detailed and check survey after the award of contract for construction. Hence, SASE inputs at this stage may not be fruitful because of change in the alignments at the stage of detailed/check survey. SASE suggested that RECTPCL may involve SASE at the stage of detailed/check surveys and they will accompany RECTPCL and contractor to finalize the location of each tower for both the transmission lines. As they have done for PGCIL in case of for 220 kV Alusteng (Srinagar)- Leh Transmission Line.
- RECTPCL attended cost committee meeting held on 31.05.2018 and resubmitted their cost estimation to JKPDD on 01.06.2018 for their review. As decided in meeting, JKPDD has to review the estimate and submit final estimates to RECTPCL further necessary action. The same is still awaited from JKPDD.

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- During meeting between Ministry of Power and Energy Minister, J&K on 08.06.2018 in MoP, it was decided that considering the high cost of proposed transmission system, JK PDD shall submit detailed justification regarding criticality of this system for reliable power in the remote area of J&K for review and approval of revised project cost by Ministry of Power.
- After finalization of the revised cost estimate tender document for above projects will be floated

(iii) 160MVA, 220/33kV Lassipora GIS substation

The tendering process has been completed and Notification of Award (NOA) has been issued on 16.07.2018 to the successful bidder i.e. M/s Siemens Ltd. Site has been handed over to contractor on 27.07.2018 for initiating the site activities. Initial activities viz: layout finalization, L-1 Network finalization, Soil Investigation, FQP & MQP preparation etc has been initiated.

(iv) 220 kV bay at Kargil(Drass) S/s, 220 kV bays at Phyang S/s, Padum S/s(50MVA, 220/33kV) and Diskit (Nubra)S/s(50MVA, 220/33 kV)

RECPTCL informed that cost estimate of 220 kV bays and substation at Padum and Diskit(Nubra) would be revised in light of comment at 3(ii).

4. PGCIL

PGCIL informed that total nine elements (four nos. transmission lines and five nos. sub-stations) are to be constructed by PGCIL as project implementing agency (PIA) for intra state transmission system under PMDP-2015.

PGCIL submitted details of transmission works as under:

Transmission Lines:

| S. No. | Transmission Line | Ckt Type | Voltage | Length (Ckm) | Project Management Agency (PMA) | Region |
|--------|----------------------------------------------------------------------|----------|---------|--------------|---------------------------------|---------|
| 1 | LILO of Hiranagar - Bishmah at Samba | D/C | 220 | 16 | RECTP CL | Jammu |
| 2 | LILO of Hiranagar - Gladni at Chowadhi | S/C | 220 | 16 | RECTP CL | Jammu |
| 3 | LILO of Thein - Hiranagar at Kathua-II (Ghatti) | D/C | 220 | 12 | RECTP CL | Jammu |
| 4 | Waganpora - Khanyar (Cable) 132kV D/C line with bay at Waganpora S/S | D/C | 132 | 28 | RECTP CL | Kashmir |

Substations:

| S. | Substation Name/ Element | Voltage | MVA | Project | Region |
|----|--------------------------|---------|-----|---------|--------|
|----|--------------------------|---------|-----|---------|--------|

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| No. | Name | Ratio | | Management Agency (PMA) | |
|-----|------------------------|--------|-----|-------------------------|---------|
| 1 | Chowadhi S/S | 220/33 | 160 | RECTPCL | Jammu |
| 2 | Kathua-II (Ghatti) S/S | 220/33 | 160 | RECTPCL | Jammu |
| 3 | Samba S/S | 220/33 | 160 | RECTPCL | Jammu |
| 4 | Batpora Tailbal (GIS) | 220/33 | 160 | RECTPCL | Kashmir |
| 5 | Khanyar (GIS) | 132/33 | 100 | RECTPCL | Kashmir |

PGCIL submitted current status of progress of each element as under;

- (a) **LILO of Hiranagar – Bishmah 220kV D/C line at Samba** - Contract has been awarded. Contractor is yet to start detailed/check survey of line.
- (b) **LILO of Hiranagar - Gladni 220kV S/C line at Chowadhi** - Contract has been awarded. Contractor is yet to start detailed/check survey of line.
- (c) **LILO of Thein - Hiranagar 220kV D/C line at Kathua-II (Ghatti)** -Contract has been awarded. Contractor is yet to start detailed/check survey of line.
- (d) **Waganpora - Khanyar 132kV D/C line (Cable) with bay at Waganpora** -Contract has been awarded. Contractor is yet to start detailed/check survey of line.
- (e) **160MVA, 220/33kV Chowadhi Substation** - Contract has been awarded. JKPDD yet to hand over land for S/s
- (f) **160MVA, 220/33kV Kathua-II (Ghatti) Substation** - Land has been handed over to contractor and construction of boundary wall has been started.
- (g) **160MVA, 220/33kV Batpora Tailbal (GIS) Substation** - Contract has been awarded. JKPDD yet to hand over land for S/s
- (h) **132/33kV 100MVA Khanyar (GIS) Substation** - Contract has been awarded. JKPDD yet to hand over land for S/s
- (i) **160MVA, 220/33kV Samba Substation** - Contract for this substation has been awarded and construction is yet to start.

1. JKPDD informed that Hiranagar-Gladni 220kV S/C line, Barn-Kishanpur 220kV S/C line, Hiranagar - Bishmah 220kV D/C line are presently running at full load and LILOing of these lines at Chowadi, Nagrota and Samba substations as proposed in PMDP 2015 scheme may cause overloading of these transmission lines.
2. JKPDD informed that the information of progress of transmission projects being executed by PGCIL is not being shared and they are also not being involved by PGCIL, Jammu region. JKPDD requested that they should be informed time to time regarding progress as well as development of project.
3. **JKPDD**

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JKPDD informed that total twenty-two elements (ten nos. transmission lines and twenty-two nos. sub-stations) are to be constructed by JKPDD as project implementing agency (PIA) for intra state transmission system under PMDP-2015.

JKPDD submitted details of transmission works as under:

Transmission Lines:

| S. No. | Transmission Line | Ckt Type | Voltage | Length (Ckm) | Project Management Agency (PMA) | Region |
|--------|--------------------------------------------------------------------------------|----------|---------|--------------|---------------------------------|---------|
| 1 | LILO of Canal - Miran Sahib at Chatha | D/C | 132 | 16 | RECTPCL | Jammu |
| 2 | Hiranagar - Kathua line (Reconductoring) | D/C | 132 | 152 | RECTPCL | Jammu |
| 3 | LILO of Hiranagar - Bishnah at Jatwal Grid station | D/C | 220 | 12 | RECTPCL | Jammu |
| 4 | Extension of Mirbazar - Alusteng line upto New Wanpoh | D/C | 220 | 12 | RECTPCL | Kashmir |
| 5 | LILO of Budgam - Bemina at Tengpora (Power Cable) | D/C | 132 | 8 | RECTPCL | Kashmir |
| 6 | LILO of one ckt. Alusteng - New Wanpoh at Tailbal | D/C | 220 | 7 | RECTPCL | Kashmir |
| 7 | LILO of Wagoora - Mirbazar line at Lassipora | D/C | 220 | 12 | RECTPCL | Kashmir |
| 8 | LILO of Zainkote - Delina at Kunzar (Sterlite S/S) | D/C | 220 | 20 | RECTPCL | Kashmir |
| 9 | New Wanpoh - Mir Bazar line | D/C | 220 | 10 | RECTPCL | Kashmir |
| 10 | Replacement of Conductor in Pampore - Cheshmashahi & Pampore - Khonmuh section | D/C | 132 | 28 | RECTPCL | Kashmir |

Sub-Stations:

| S. No. | Substation Name/ Element Name | Voltage Ratio | MVA | Project Management Agency (PMA) | Region |
|--------|-------------------------------|---------------|-----|---------------------------------|---------|
| 1 | Chatha Grid S/S | 132/33 | 100 | RECTPCL | Jammu |
| 2 | Janipur (Aug) S/S | 132/66/33 | 50 | RECTPCL | Jammu |
| 3 | Kathua (Aug) (50-20) S/S | 132/66/33 | 30 | RECTPCL | Jammu |
| 4 | Miran Sahib (Aug) (50-20) | 132/66/33 | 30 | RECTPCL | Jammu |
| 5 | Pounichak (Aug) S/S | 132/66/33 | 50 | RECTPCL | Jammu |
| 6 | Sidhra (Aug) (2x50-2x20) | 132/66/33 | 60 | RECTPCL | Jammu |
| 7 | Bemina (Aug)(200-150) | 132/33 | 50 | RECTPCL | Kashmir |
| 8 | Chadoora (Aug) (100-50) | 132/33 | 50 | RECTPCL | Kashmir |
| 9 | Cheshmashahi(Aug)(140-105) | 132/33 | 35 | RECTPCL | Kashmir |
| 10 | Khrew (Aug) (150-100) | 132/33 | 50 | RECTPCL | Kashmir |
| 11 | Tengpora (GIS) | 132/33 | 150 | RECTPCL | Kashmir |

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|----|--------------------------|--------|----|---------|---------|
| 12 | Zainakote (Aug) (125-75) | 132/33 | 50 | RECTPCL | Kashmir |
|----|--------------------------|--------|----|---------|---------|

JKPDD submitted progress of above transmission system as under:

Transmission Lines:

- (i) **LILO of Canal - Miran Sahib at Chatha 132kV D/C line** - Technical evaluation of bids has been completed and price bid shall be opened in a week's time.
- (ii) **Hiranagar - Kathua 132kV D/C line (Reconductoring)** - Revised DPR amounting to Rs44.33 crore submitted to RECTPCL on 22-06-2018 for ACCC conductor for vetting. RECTPCL has forwarded their comments to JKPDD to be incorporated.
- (iii) **LILO of Hiranagar – Bishnah 220kV D/C line at Jatwal Grid station**
- Ckt-1: LOA issued on 02-08-18, detailed survey of 9 locs out of 11 locations has been completed balance could not be completed due to ROW issues, matter has been taken up with Revenue authorities.
- Ckt-2: Due to no response tender cancelled, matter has been taken up with RECTPCL for calling a meeting with prospective bidders for poor response. The meeting is scheduled on 03-08-2018.
- (iv) **Extension of Mirbazar - Alusteng 220kV D/C line upto New Wanpoh** - Contract committee meeting convened on 27th of June 2018. LOI would be issued on 14/08/2018.
- (v) **LILO of Budgam - Bemina 132kV D/C line at Tengpora (Power Cable)** - RECTPCL has submitted bid evaluation report for review by PDD. Tender opening Committee meeting proposed to be held after taking over of land at Tengpora
- (vi) **LILO of one ckt of Alusteng - New Wanpoh at Tailbal 220kV D/C line**
- (vii) **LILO of Wagoora - Mirbazar line at Lassipora 220kV D/C line**
- JKPDD informed that works for laying of tower foundations has been re-tendered on 07/06/2018. Last date for submission of e-bids was 03/08/2018, 6 bids have been received and expected to be open on 13/08/2018.
- (viii) **LILO of Zainkote - Delina 220kV D/C line at Kunzar (Sterlite S/S)** - The work has been completed and one circuit has been charged.
- (ix) **New Wanpoh - Mir Bazar 220kV D/C line** - LOA issued and survey have been completed.
- (x) **Replacement of Conductor in Pampore - Cheshmashahi and Pampore – Khonmuh 132kV D/C line**

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JKPDD informed that project was retendered. Bids were opened on 05-06-2018 and bids are under evaluation. Clarification are being sought from bidders by RECTPCL.

Sub-Stations:

(i) **100MVA, 132/33kV, Chatha S/S** - Technical Evaluation Completed, Price Bid shall be opened in a week's time.

(ii) **50MVA, 132/66/33kV, Janipur (Aug) S/S and**

(iii) **30MVA, 132/66/33kV, Kathua (Aug) S/S**

LOA Issued on 10.08.2017, approval of drawings is under process.

(iv) **30MVA, 132/66/33kV, Miran Sahib (Aug)(50-20)**

- LOA for Miran Sahib-I issued on 10-08-2017 and one no. 50 MVA transformer has been commissioned on 16-03-2018.
- LOA for Miran Sahib-II issued on 20-09-2017 and commissioned on 14-07-2018

(v) **50MVA, 132/66/33kV, Pounichak (Aug)** - LOA Issued on 10-08-2017. Approval of Transformer drawing is under process.

(vi) **60MVA, 132/66/33kV, Sidhra (Aug) (2x50-2x20)** - LOA issued on 10-08-2017, 50 MVA Transformer Commissioned on 16-03-2018. 3 tenders received and Technical Evaluation is under process.

(vii) **50MVA, 132/33kV, Bemina (Aug) (200-150)**

(viii) **50MVA, 132/33kV, Chadoora (Aug) (100-50)**

(ix) **35MVA, 132/33kV, Cheshmashahi (Aug) (140-105)**

Bids evaluation completed and LoI issued on 24-05-2018.

(x) **50MVA, 132/33kV, Khrew (Aug) (150-100)** - Biding was retendered and 3 tenders was received. Technical evaluation repost has been forwarded to RECTPCL for vetting.

(xi) **150MVA, 132/33kV Tengpora (GIS) Substation-** Techno Commercial bids opened on 09.05.2018. JV of JK Engineer & Siemen India has emerged as L-1. Land identified near stockyard of UEED at Tengpora. Matter taken up with Deputy Commissioner Srinagar for transfer of land.

(xii) **50MVA, 132/33kV Zainakote (Aug) (125-75)** - Bids evaluated and LoIs issued.

4. JKPDD informed that land availability in many locations is an issue as land for substation is to be acquired through PNC procedure, which is time taking process and causing delay in execution of project.

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5. After detailed deliberations, it was decided that;
- JKPDD will discuss with CE (PSP&A-I), CEA to firm up transmission line and associated bays (132 kV & above) in Jammu region being implemented by PGCIL at the earliest.
 - RECPTCL will discuss with CE (PSP&A-I), CEA the issue of Phyang-Diskit line and Drass – Padum line in place of Kargil – Padum line alongwith associated bays and resolve issue at the earliest.
 - JKPDD would expedite acquisition/handing over of land for substation.
 - JKPDD/RECPTL/PGCIL would expedite award as well as construction of transmission projects by deploying additional man and material.

Meeting ended with thanks to the chair.

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Annexure-I**List of Participants****CEA**

- | | |
|-------------------|----------------------------------|
| 1. Sh. B K Arya | Chief Engineer (PSPM) – In Chair |
| 3. Sh. RP Pradhan | Director (PSPM) |
| 4. Sh. R K Tiwari | Deputy Director (PSPM) |
| 6. Sh. Rajesh | Asstt. Director-I (PSPM) |

POWERGRID

- | | |
|-----------------|------------|
| 1. Sh. BK Singh | DGM |
| 2. Sh. AK Vaish | Consultant |

RECTPCL

- | | |
|----------------------------|--------------------|
| 1. Sh. Vivek Agarwal | Chief Manager |
| 2. Sh. Pravash Kumar Barad | Executive Engineer |

JKPDD

- | | |
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| 1. Sh. Javed Y Dar | SE |
| 2. Sh. Sudhir Gupta | Sr. Engineer, Jammu |