



Monthly progress Report of Central Funded Schemes

- (1) North-Eastern Region Power System Improvement Project (NERPSIP)**
- (2) Comprehensive Scheme of Transmission & Distribution System in Arunachal Pradesh & Sikkim**
- (3) 220kV Transmission System from Alusteng (Srinagar) to Leh (via Drass, Kargil, Khalsti and Leh Sub-station in Jammu & Kashmir (J&K))**

**Govt. of India
Ministry of Power
Central Electricity Authority
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Total Transmission Projects	:	03
Transmission Projects Completed	:	0
Transmission Projects Cancelled	:	0
Transmission Projects yet to be awarded	:	0*
Transmission Projects under construction	:	3
Transmission Projects whose construction is yet to start	:	0

* Some of the transmission works (Line & S/S) under transmission projects at Sl. No. 1 & 2 are yet to be awarded.

North-Eastern Region Power System Improvement Project (NERPSIP)

Background

Presently, all the six NER States are connected to transmission network at 220 kV, 132 KV and below. The 33 kV system is the backbone of power distribution system in the six NER States. In order to reduce the gap between the requirement and availability of the intra-state transmission and distribution system, it is necessary to provide 132 KV / 220 KV connectivity to all the six NER States for proper voltage management and lower distribution losses. Similarly, the distribution system in all six NER States which mainly relies on 33 KV network would be strengthened substantially. As the Intra-State Transmission and Distribution systems in the North-Eastern States have remained very weak, the Central Electricity Authority (CEA) has proposed a comprehensive scheme for the North East Region (NER) in consultation with the POWERGRID (PGCIL) and respective state power utility. Implementation of this project will create a reliable State power grid and improve its connectivity to the upcoming load centres, and thus extend the benefits of the grid connected power to all the consumers. The project would also provide the required grid connectivity to such villages and towns of the States, where development of distribution system at the downstream level has been taking place under Gol sponsored RGGVY/ APDRP/ R-APDRP schemes.

General Details

Date of Govt. approval	: Nov, 2014
Implementing Agency	: PGCIL,
Estimated Cost (Rs. crs)	: 5111
Funding	: 50:50 (Govt. of India: World Bank)
Phasing of expenditure	: Year 2014-15 200.00 Cr.
	Year 2015-16 749.80 Cr.
	Year 2016-17 1268.04 Cr.
	Year 2017-18 1562.78 Cr.
	Year 2018-19 998.34 Cr.
	Year 2019-20 332.37 Cr.
	Total 5111.33 Cr.
Completion schedule	: December, 2018 (48 months from date of release of 1 st instalment)

Summary

Particulars	State					
	Assam	Meghalaya	Manipur	Mizoram	Nagaland	Tripura
Total no. of Transmission Projects (Line & S/S)	34	09	18	07	17	27
Transmission Projects awarded	22	09	0	0	0	16
Transmission Projects yet to be awarded	12	00	18	07	17	11
Transmission Projects under construction	22	09	0	0	0	16
Transmission Projects whose construction is yet to start	0	0	0	0	0	0

Scope of Transmission Project:

Assam

Transmission line

1. Rangia – Amingaon 220 kV D/C line
2. Tinsukia – Behiating (new Dibrugarh) 220 kV D/C line
3. Kahilipara – Guwahati Medical college 132 kV D/C line (including 2 km cable)
4. Rupai – Chapakhowa 132 kV S/c on D/c line (incl. 4 kms. river crossing)
5. Dhemaji – Silapathar 132 kV S/c on D/c line
6. Amingaon – Hazo 132 kV D/c line.
7. Kamakhya – Paltan Bazar 132 kV S/c Underground Cable.
8. Amingaon- Rangia 220kV D/C Underground Cable line
9. LILO of one circuit of Rangia – Rowta 132 kV D/c line at Tangla
10. LILO of Golaghat – Bokajan 132 kV S/c line at Sarupathar
11. Sonabil – Tezpur (New) 132 kV D/c line
12. LILO of Jorhat (Gormur) – Nazira 132 kV S/c on D/c at Teok.
13. LILO of Kamalpur – Sishugram 132kV S/c line at Amingaon 220/132kV S/s
14. LILO of Kamalpur – Kamakhya 132kV S/c line at Amingaon 220/132kV S/s

Sub-station

1. 2x160 MVA, 220/132 kV GIS at Amingaon
2. 2x100 MVA, 220/132 kV substation at Behiating(New Dibrugarh)
3. 2x50 MVA, 132/33 kV new sub-station at Guwahati Medical College (GIS)
4. 4x8.33 MVA (Single Phase), 132/33 kV new sub-station at Chapakhowa
5. 2x31.5 MVA, 132/33 kV new sub-station at Silapathar
6. 2x31.5 MVA, 132/33 kV new sub-station at Hazo
7. 2x50 MVA, 132/33 kV new sub-station at Paltan Bazar (GIS)
8. 2x31.5 MVA, 132/33 kV new sub-station at Tangla

9. 2x25 MVA, 132/33 kV new sub-station at Sarupathar
10. 2x50 MVA, 132/33 kV new sub-station at Tezpur (New)
11. 2x31.5 MVA, 132/33 kV new sub-station at Teok
12. Augmentation of Samaguri 220/132 kV sub-station by replacing existing 2x50 MVA, 200/132 kV transformer by 2x160 MVA, 220/132 kV transformer
13. Augmentation of Dhaligaon 132/33 kV sub-station by replacing existing 2x25 MVA, 132/33 kV transformer by 2x50 MVA, 132/33 kV transformer
14. 132kV Dhemaji (Extension) Substation
15. 132kV Sonabali (Extension) Substation
16. 220kV Tinsukia (Extension) Substation
17. 132kV Rupai (Extension) Substation
18. 220kV Rangia (Extension) Substation
19. 132kV Kahalipara (Extension) Substation
20. 132kV Kamakhya s/s (Extn) Substation

Maghalaya

Transmission line

1. Byrnihat (Killing) – Mawngap – New Shillong 220 kV D/c line
2. LILO of both circuits of MLHEP – Khliehriat 132 kV D/c line at Mynkre
3. Phulbari – Ampati 132 kV D/c line

Sub-station

1. 2x160 MVA, 220/132 kV Mawngap GIS (Upgradation)
2. 2x160 MVA, 220/132 kV + 2x50 MVA, 132/33 kV GIS at New Shillong
3. 2x50 MVA, 132/33 kV new sub-station at Mynkre
4. 2x50 MVA, 132/33 kV new sub-station at Phulbari
5. 132kV Ampati (Extension) Substation
6. 220kV Byrnihat (Killing) AIS Substation Extension

Manipur

Transmission line

1. Imphal (PG) - Ningthoukhong 132 kV D/c Line
2. LILO of Yurembam(Imphal-State) - Karong Line at Gamphajol
3. Stringing of Yaingangpokpi - Kongba 132kV Line(2ndckt)
4. Stringing of Kakching - Kongba 132kV line (2ndckt)
5. LILO of one circuit of Kongba – Kakching 132 kV D/c line (one ckt existing + other ckt under this scheme) at Thoubal 132/33kV substation
6. Renovation of Yurembum – Karong - Mao (Manipur-Nagaland border) section of Yurembum-Karong-Kohima 132kV S/c line
7. Rengpang-Tamenlong 132kV S/C line on D/C tower

Sub-station

1. 2x20 MVA, 132/33 kV Gamphajol new sub-station
2. 132kV Ningthoukhong (Extension) Substation (Augmentation of Ningthoukhong by addition of 2nd transformer – 1x20 MVA, 132/33 kV)
3. 132/33kV Kongba (Extension) Substation (Augmentation of Kongba by addition of 3rd transformer – 1x20 MVA, 132/33 kV)
4. 132kV Rengpang (Extension) Substation, (Augmentation of Rengpang by addition of 2nd transformer – 20 MVA (4x5 MVA Single Phase), 132/33 kV)
5. Augmentation of Jiribam by addition of 2nd transformer – 1x20 MVA, 132/33 kV
6. 132/33 kV Tamenglong (New) Substation
7. 132/33kV Thoubal (Extension) Substation
8. 132kV Imphal (PG) (Extension) Substation
9. 132kV Kakching (Extension) Substation
10. 132kV Yaingangpokpi (Extension) Substation
11. 132/33kV Ukhrul (Augmentation) Substation

Mizoram

Transmission line

1. Lungsan – Chawngte 132 kV S/c line (charged at 33 kV)
2. Chawngte – S. Bungtlang 132 kV S/c line via S. Diltlang (charged at 33 kV)
3. W. Phaileng – Marpara 132 kV S/c line on D/c tower

Sub-station

1. New sub-station at Lungsan with 132/33 kV, 2x12.5 MVA transformer
2. Augmentation of Lunglei sub-station by replacing existing 2x12.5 MVA, 132/33 kV transformer with 2x25 MVA 132/33 kV transformer
3. New sub-station at W. Phaileng with 132/33 kV, 2x12.5 MVA transformer
4. New 132/33kV sub-station at Marpara

Nagaland

Transmission line

1. LILO of Mokokchung (Nagaland) - Mariani (Assam) 132 kV D/c line at Longnak
2. New Kohima – Mokokchung (PG) 220 kV S/c line on D/c tower
3. Tuensang – Longleng 132 kV S/c line on D/c tower
4. New Kohima (Zadima) – New Secretariat Complex Kohima 132 kV D/c line
5. LILO of Kohima – Wokha 132 kV S/c line at New Kohima
6. LILO of Kohima – Meluri (Kiphire) 132 kV S/c line at Pfutsero
7. Wokha (Doyang River) - Zunheboto – Mokokchung (Nagaland) 132 kV S/c on D/c tower

Sub-station

1. 132kV Wokha Substation Extension, 1x25 MVA at Wokha
2. 2x25 MVA, 132/33 kV new sub-station at Longnak (Mongkolemba Junction)
3. 2x10 MVA, 132/33 kV new sub-station at Longleng
4. 2x25 MVA, 132/33 kV new sub-station at New Secretariat Complex Kohima
5. 2x25 MVA, 132/33 kV new sub-station at Pfutsero
6. 2x25 MVA, 132/33 kV new sub-station at Zunheboto
7. 132kV Tuensang Substation Extension
8. 132kV Mokokchung(State) Substation Extension
9. 220kV Mokokchung (POWERGRID) Substation Extn.
10. 220/132kV New Kohima Substation

Tripura

Transmission line

1. Rabindra Nagar – Rokhia 132 kV D/c line
2. LILO of one circuit of Surajmaninagar- Rokhia 132 kV D/c line at Gokulnagar
3. LILO of Ambassa – P. K. Bari 132 kV S/c at Manu.
4. Kailasahar – Dharmanagar 132 kV D/c line
5. Rabindra Nagar – Belonia 132 kV D/c line
6. Udaipur - Bagafa 132 kV D/c line
7. Bagafa – Belonia 132 kV D/c line
8. Belonia – Sabroom 132 kV D/c line
9. LILO of Agartala (79 Tilla) - Dhalabil (Khowai) 132 kV S/c line.
10. Bagafa – Satchand 132 kV S/c on D/c line (utilizing the corridor of existing Bagafa – Satchand 66 kV line)
11. Udaipur- Amarpur 132 kV D/c line

Sub-station

1. 2x50 MVA, 132/33 kV new sub-station at Rabindra Nagar plus 2 nos. 132 kV line bays for Monarchak line, 2x10 MVA, 33/11 kV transformer & 2x250 KVA 11/0.4 kV transformer
2. 2x50 MVA, 132/33 kV new sub-station at Gokulnagar (2 nos. 132 kV line bays at Suryanaminagar already available), alongwith 2x10 MVA, 33/11 kV transformer & 2x250 KVA 11/0.4 kV transformer
3. 2x50 MVA, 132/33 kV new sub-station at Manu alongwith, 2x10 MVA, 33/11 kV transformer & 2x250 KVA 11/0.4 kV transformer
4. Replacement of existing 2x7.5 MVA, 132/33 kV transformer by 2x50 MVA, 132/33 kV transformer at Kailasahar, alongwith 2x10 MVA, 33/11 kV transformer & 2x250 KVA 11/0.4 kV transformer
5. 2x50 MVA, 132/33 kV new sub-station at Belonia, alongwith 2x10 MVA, 33/11 kV transformer & 2x250 KVA 11/0.4 kV transformer

6. 2x50 MVA, 132/33 kV new sub-station at Bagafa (space available at Udaipur for 2 nos. 132 kV line bays), alongwith 2x10 MVA, 33/11 kV transformer & 2x250 KVA 11/0.4 kV transformer
7. Augmentation of Udaipur sub-station by addition of 2x50 MVA, 132/33 kV transformer including construction of new control room (Space available), 2x10 MVA, 33/11 kV transformer & 2x250 KVA 11/0.4 kV transformer
8. 2x31.5 MVA, 132/33 kV new sub-station at Sabroom, alongwith 2x10 MVA, 33/11 kV transformer & 2x250 KVA 11/0.4 kV transformer (land available in existing 66 kV sub-station)
9. Augmentation of Ambassa sub-station by addition of 1x31.5, 132/33 kV transformer, 2x10 MVA, 33/11 kV transformer & 2x250 KVA 11/0.4 kV transformer including extension of control room
10. Augmentation of Dhalabil (Khowai) sub-station by addition of 2x31.5, 132/33 kV transformer, 2x10 MVA, 33/11 kV transformer & 2x250 KVA 11/0.4 kV transformer including extension of control room
11. Augmentation of Jirania sub-station by replacement of existing 1x10 MVA, 132/33 kV transformer by of 1x31.5 MVA, 132/33 kV transformer and addition of 1x31.5, 132/33 kV transformer; 2x10 MVA, 33/11 kV transformer & 2x250 KVA 11/0.4 kV transformer including extension of control room
12. 2x31.5 MVA, 132/33 kV new sub-station at Mohonpur (Hezamara) alongwith 2x10 MVA, 33/11 kV transformer & 2x250 KVA 11/0.4 kV transformer
13. 2x31.5 MVA, 132/33 kV new sub-station at Satchand alongwith 2x10 MVA, 33/11 kV transformer & 2x250 KVA 11/0.4 kV transformer
14. 2x31.5 MVA, 132/33 kV new Substation at Amarapur along with 2x10 MVA, 33/11 kV transformer & 2x250kVA, 11/0.4 kV transformer
15. 132/33/11 kV Rokhia (Extn) Substation
16. 132/33/11 kV Dharmanagar (Extn.) Substation

State wise detail progress:

Assam

Total no. of Packages: 16

No. of Awarded Packages: 9

Sl. No	Packages	Description	Remarks
1.	6 (TW-01 to TW-06)	Transmission Lines	4 packages: 1 st Bids opened on 7 th April'17 2 packages: No response, to be annulled and re-tendered
2.	4 (SS-01 to SS-04)	Sub-stations	All awarded
3.	4 (DMS-01 to DMS-04)	Distribution system	All awarded
4.	1 (Transformer)	Transformers	Awarded
5.	1 (Pile)	Pile work for TL	Ready for award

Transmission line

1. TW-01:

- i. Rangia – Amingaon 220 kV D/C line

2. TW-02:

- i. Tinsukia – Behiating (new Dibrugarh) 220 kV D/C line

3. TW-03:

- i. Kahilipara – Guwahati Medical college 132 kV D/C line (including 2 km cable)
- ii. LILO of one circuit of Rangia – Rowta 132 kV D/c line at Tangla
- iii. Amingaon – Hazo 132 kV D/c line
- iv. LILO of Kamalpur – Sishugram 132kV S/c line at Amingaon 220/132kV S/s
- v. LILO of Kamalpur – Kamakhya 132kV S/c line at Amingaon 220/132kV S/s

4. TW-04:

- i. Dhemaji – Silapathar 132 kV S/c on D/c line

5. TW-05:

- i. Rupai – Chapakhowa 132 kV S/c on D/c line

6. TW-06:

- i. LILO of Golaghat – Bokajan 132 kV S/c line at Sarupathar
- ii. Sonabil – Tezpur (New) 132 kV D/c line
- iii. LILO of Jorhat (Gormur) – Nazira 132 kV S/c on D/c at Teok

7. SS-04: Awarded to M/s Techno on 6th May'17

- i. **Amingaon –Rangia** 220 kV D/C Underground Cable

Length of cable(km)	: Route survey under progress
No. of Joints	:
No. of joints completed	:
Cable laid (kms)	:
Scheduled date of completion	: Feb'19
Constraints if any	:

- ii. Kamakhya – Paltan Bazar 132 kV S/C Underground Cable

Length of cable(km)	: Route survey under progress
No. of Joints	:
No. of joints completed	:
Cable laid (kms)	:
Scheduled date of completion	: Feb'19
Constraints if any	:

Sub-station (New)

Sub-station

ASM-SS-01: Awarded to M/s Neccon Power & Infra. Pvt. Ltd. on 12/08/2016

1. 2x31.5 MVA, 132/33 kV new sub-station at Silapathar

Land acquisition : Acquired
Civil work (%) : 2%(Site leveling & Boundary wall in progress)
Equipment received (%) :
Equipment erected (%) :
Scheduled date of completion : Mar'19
Constraint if any

2. 2x50 MVA, 132/33 kV new sub-station at Tezpur (New)

Land acquisition : Acquired
Civil work (%) : 3% (Site leveling, Boundary wall & Control Room foundation in progress)
Equipment received (%) :
Equipment erected (%) :
Scheduled date of completion : Mar'19
Constraint if any

3. Augmentation of Samaguri 220/132 kV sub-station by replacing existing 2x50 MVA, 200/132 kV transformer by 2x160 MVA, 220/132 kV transformer

Land acquisition : Acquired (Contouring completed and soil investigation in progress)
Civil work (%) :
Equipment received (%) :
Equipment erected (%) :
Scheduled date of completion : Mar'19
Constraint if any

4. 132kV Dhemaji (Extension) Substation

Land acquisition : Acquired
Civil work (%) : 2% (Equipment fdn. in progress)
Equipment received (%) :
Equipment erected (%) :
Scheduled date of completion : Dec'18
Constraint if any

5. 132kV Sonabali (Extension) Substation

Land acquisition : Acquired (Soil investigation completed)
Civil work (%) :
Equipment received (%) :
Equipment erected (%) :
Scheduled date of completion : Nov'18
Constraint if any

ASM-SS-02: Awarded to M/s Neccon Power & Infra. Pvt. Ltd. on 12/08/2016

6. 2x31.5 MVA, 132/33 kV new Sub-station at Teok

Land acquisition	:	Acquired).
Civil work (%)	:	4% (Site leveling, Boundary wall, Tower foundation and Control Room foundation in progress)
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion:		Mar'19
Constraint if any		

7. 2x100 MVA, 220/132 kV substation at Behiating (New Dibrugarh)

Land acquisition	:	Acquired
Civil work (%)	:	1% (Site leveling in progress)
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion :		Mar'19
Constraint if any		

8. 2x25 MVA, 132/33 kV new sub-station at Sarupathar

Land acquisition	:	Acquired
Civil work (%)	:	2% (Site leveling, Boundary Wall, Tower foundation and Control Room Foundation in progress)
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion:		Mar'19
Constraint if any		

9. 4x8.33 MVA (Single Phase), 132/33 kV new sub-station at Chapakhowa

Land acquisition	:	Acquired
Civil work (%)	:	(Site leveling in progress)
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion:		Mar'19
Constraint if any		

10. 220kV Tinsukia (Extension) Substation

Land acquisition	:	Acquired (Soil investigation completed)
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion:		Nov'18

Constraint if any

11. 132kV Rupai (Extension) Substation

Land acquisition	:	Acquired (Soil investigation completed)
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion:		Dec'18
Constraint if any		

ASM-SS-03: Awarded to M/s Neccon Power & Infra. Pvt. Ltd. on 12/08/2016

12. 2x31.5 MVA, 132/33 kV new sub-station at Tangla

Land acquisition	:	Acquired
Civil work (%)	:	2% (Site leveling, Boundary wall, Control Room Foundation and construction of Transit Camp under progress)
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion:		Mar'19
Constraint if any		

13. 2x31.5 MVA, 132/33 kV new sub-station at Hazo

Land acquisition	:	Handed over on 12 th April'17.
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion:		Mar'19
Constraint if any		

14. 220kV Rangia (Extension) Substation

Land acquisition	:	Acquired (Soil investigation completed)
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion:		Nov'18
Constraint if any		

15. 132kV Kahalipara (Extension) Substation

Land acquisition	:	Acquired (Soil investigation completed)
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion:		Dec'18
Constraint if any		

16. Augmentation of Dhaligaon 132/33 kV sub-station by replacing existing 2x25 MVA

Land acquisition	:	Acquired (soil investigation completed)
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Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion:		Mar'19
Constraint if any		

ASM-SS-04: Awarded to Joint Venture (JV) of Techno & Seiyuan on 6th May'16.

17. 2x50 MVA, 132/33 kV new sub-station at Paltan Bazar (GIS)

Land acquisition	:	Acquired
Civil work (%)	:	1%(Site Leveling in progress)
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion:		Mar'19
Constraint if any	:	

18. 2x50 MVA, 132/33 kV new sub-station at Guwahati Medical College (GIS)

Land acquisition	:	Acquired
Civil work (%)	:	1% (Site leveling in progress
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion:		Mar'19
Constraint if any	:	

19. 2x160 MVA, 220/132 kV GIS at Amingaon

Land acquisition	:	Land identified, Price negotiation underway.
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion:		Mar'19
Constraint if any	:	

20. 132kV Kamakhya s/s (Extn) Substation

Land acquisition	:	Acquired (Soil investigation is in progress).
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion:		Feb'19
Constraint if any	:	

Meghalaya:

Total no. of Packages: 7

No. of Awarded Packages: 7

Sl. No	Packages	Description	Remarks
1.	2 (TW-01 , TW-02)	Transmission Lines	All awarded
2.	2 (SS-01, SS-02)	Sub-stations	
3.	3 (DMS-01 to DMS-03)	Distribution system	

Transmission line:

MEG-TW-01: Awarded to M/s Unique on 29th June'16.

1. Byrnihat (Killing) – Mawngap – New Shillong 220 kV D/c line

Line Length(km) : 122
Tower Locations(nos) : 369
Foundation completed(nos) : Preliminary Survey started
Tower Erected(nos) :
Stringing completed(kms) :
Scheduled date of completion : Sept'19
Constraint if any:

MEG-TW-02: Awarded to M/s Unique on 29th June'16

2. LILO of both circuits of MLHEP – Khliehriat 132 kV D/c line at Mynkre

Line Length(km) : 17
Tower Locations(nos) : 99
Foundation completed(nos) : Preliminary Survey completed
Tower Erected(nos) :
Stringing completed(kms) :
Scheduled date of completion : Sept'19
Constraint if any:

3. Phulbari – Ampati 132 kV D/c line

Line Length(km) : 69
Tower Locations(nos) : 239
Foundation completed(nos) : Foundation started
Tower Erected(nos) :
Stringing completed(kms) :
Scheduled date of completion : Sept'19
Constraint if any:

Sub-station :

MEG-SS-01: Awarded to M/s Neccon Power & Infra. Pvt. Ltd. on 12/08/2016

1. 2x50 MVA, 132/33 kV new sub-station at Mynkre

Land acquisition	:	Acquired
Civil work (%)	:	1% (Site leveling in progress)
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	April'19
Constraint if any	:	

2. 2x50 MVA, 132/33 kV new sub-station at Phulbari

Land acquisition	:	Acquired
Civil work (%)	:	2%(Site leveling and Boundary wall is in progress)
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	April'19
Constraint if any	:	

3. 132kV Ampati (Extension) Substation

Land acquisition	:	Acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Oct'18
Constraint if any	:	

MEG-SS-02: Awarded to Joint Venture (JV) of Techno & Seiyuan on 6th June'16

4. 2x160 MVA, 220/132 kV Mawngap GIS

Land acquisition	:	Acquired
Civil work (%)	:	1% (Site leveling in progress)
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	April'19
Constraint if any	:	

5. 2x160 MVA, 220/132 kV + 2x50 MVA, 132/33 kV GIS at New Shillong

Land acquisition	:	Acquired (Soil investigation is in Progress).
Civil work (%)	:	

Equipment received (%) :
 Equipment erected (%) :
 Scheduled date of completion : April'19
 Constraint if any :

6. 220kV Byrnihat (Killing) AIS Substation Extension

Land acquisition : Acquired
 Civil work (%) : 1% (Site leveling in progress)
 Equipment received (%) :
 Equipment erected (%) :
 Scheduled date of completion : April'19
 Constraint if any :

Manipur

Total no. of Packages: 10

No. of Awarded Packages: 4

Sl. No	Packages	Description	Remarks
1.	3 (TW-01 to TW-03)	Transmission Lines	1 st Bids opened on 24 th Apr'17. Bids are under evaluation.
2.	3 (SS-01 to SS-03)	Sub-stations	1 st Bids opened on 1 st May'17. Bids are under evaluation.
3.	4 (DMS-01 to DMS-04)	Distribution system	All awarded

Transmission line

1. MAN-TW-01:

- Renovation of Yurembum – Karong - Mao (Manipur-Nagaland border) section of Yurembum-Karong-Kohima 132kV S/c line
- LILO of Yurembam(Imphal-State) – Karong 132 kV line at Gamphajol

2. MAN-TW-02:

- Stringing of Yaingangpokpi - Kongba 132kV line (2ndckt)
- Stringing of Kakching - Kongba 132kV line (2ndckt)
- LILO of one circuit of Kongba – Kakching 132 kV D/c line (one ckt existing & other ckt under this scheme) at Thoubal 132/33kV substation

3. MAN-TW-03:

- Imphal (PG) - Ningthoukhong 132 kV D/c line
- Rengpang-Tamenlong 132kV S/C line on D/C tower

Sub-station (New)

1. MAN-SS-01:

- i. 2x20 MVA, 132/33 kV Gamphajol new sub-station
- ii. Augmentation of Ningthoukhong by addition of 2nd transformer
- iii. 132kV Imphal (PG) (Extension) Substation

2. MAN-SS-02:

- i. Augmentation of Kongba by addition of 3rd transformer
- ii. 132/33kV Thoubal (Extension) Substation
- iii. 132kV Kakching (Extension) Substation
- iv. 132kV Yaingangpokpi (Extension) Substation
- v. 132/33kV Ukhrul (Augmentation) Substation

3. MAN-SS-03:

- i. 132/33 kV Tamenglong (New) Substation
- ii. Augmentation of Rengpang by addition of 2nd transformer
- iii. Augmentation of Jiribam by addition of 2nd transformer

Mizoram

Total no. of Packages: 3

No. of Awarded Packages: Nil

Sl. No	Packages	Description	Remarks
1.	1 (TW-01)	Transmission Lines	1 st Bid opened on 3 rd April'17. Bids are under evaluation.
2.	2 (SS-01, SS-02)	Sub-stations	1 st Bids opened on 3 rd April'17. Bids are under evaluation.
3.		Distribution system	Included in SS-02

Transmission line

1. MIZ-TW-01:

- i. Lungsens – Chawngte 132 kV S/c line (charged at 33 kV)
- ii. Chawngte – S. Bungtlang 132 kV S/c line via S. Diltlang (charged at 33 kV)

2. MIZ-SS-02:

- i. W. Phaileng – Marpara 132 kV S/c line on D/c tower

Sub-station

1. MIZ-SS-01:

- i. New sub-station at Lungsens with 132/33 kV, 2x12.5 MVA transformer
- ii. Augmentation of Lunglei sub-station by replacing existing 2x12.5 MVA, 132/33 kV transformer with 2x25 MVA 132/33 kV transformer

2. MIZ-SS-02:

- i. New sub-station at W. Phaileng with 132/33 kV, 2x12.5 MVA transformer
- ii. New 132/33kV sub-station at Marpara

Nagaland

Total no. of Packages: 14

No. of Awarded Packages: 2

Sl. No	Packages	Description	Remarks
1.	5 (TW-01 to TW-05)	Transmission Lines	1 st Bids opened on 3 rd April'17. Bids are under evaluation.
2.	4 (SS-01 to SS-04)	Sub-stations	1 st Bids to be opened on 8 th May'17
3.	4 (DMS-01 to DMS-04)	Distribution system	2 package : awarded 2 packages: 1 st Bids to be opened 15 th May'17
4.	1 (Telecom Equip.)	Telecom Equipment	NIT to be issued in May'17

Transmission line**1. NAG-TW-01:**

- i. New Kohima – Mokokchung (PG) 220 kV S/c line on D/c tower

2. NAG-TW-02:

- i. Wokha (Doyang River) - Zunheboto – Mokokchung (Nagaland) 132 kV S/c on D/c line

3. NAG-TW-03:

- ii. LILO of Mokokchung (Nagaland) - Mariani (Assam) 132 kV D/c line at Longnak
- iii. Tuensang – Longleng 132 kV S/c on D/c line

4. NAG-TW-04:

- i. LILO of Kohima – Wokha 132 kV S/c line at New Kohima
- ii. LILO of Kohima – Meluri (Kiphire) 132 kV S/c line at Pftusero

5. NAG-TW-05:

- i. New Kohima (Zadima) – New Secretariat Complex Kohima 132 kV D/c line

Sub-station**1. NAG-SS-01:**

- i. 2x25 MVA, 132/33 kV new sub-station at Longnak (Mongkolemba Junction)
- ii. 2x10 MVA, 132/33 kV new sub-station at Longleng

2. NAG-SS-02:

- i. 2x25 MVA, 132/33 kV new sub-station at Zunheboto
- ii. 132kV Tuensang Substation Extension
- iii. 132kV Mokokchung(State) Substation Extension
- iv. 220kV Mokokchung (POWERGRID) Substation Extn

3. NAG-SS-03:

- i. 2x25 MVA, 132/33 kV new sub-station at New Secretariat Complex Kohima
 - ii. 220/132kV New Kohima Substation (extension)
4. **NAG-SS-04:**
- i. 2x25 MVA, 132/33 kV new sub-station at Pfutsero
 - ii. 1x25 MVA, 132/33 kV transformer at Wokha (extension)

Tripura

Total no. of Packages: 11

No. of Awarded Packages:8

Sl. No	Packages	Description	Remarks
1.	3 (TW-01 to TW-03)	Transmission Lines	Price bids opened on 12 th April'17. Under award.
2.	3 (SS-01 to SS-03)	Sub-stations	All awarded
3.	5 (DMS-01 to DMS-05)	Distribution system	All awarded

Transmission line

1. **TRP-TW-01:**

- i. Udaipur - Bagafa 132 kV D/C line
- ii. Bagafa – Belonia 132 kV D/C line
- iii. Bagafa – Satchand 132 kV S/c on D/C line

2. **TRP-TW-02:**

- i. Rabindra Nagar – Rokhia 132 kV D/C line
- ii. LILO of one circuit of Surajmaninaqar - Rokhia 132 kV D/c line at Gokulnagar
- iii. Rabindra Nagar – Belonia 132 kV D/C line
- iv. Belonia – Sabroom 132 kV D/C line

3. **TRP-TW-03:**

- i. LILO of Ambassa – P. K. Bari 132 kV S/C at Manu
- ii. Kailasahar – Dharmanagar 132 kV D/C line
- iii. LILO of Agartala (79 Tilla) - Dhalabil (Khowai) 132 kV S/C line
- iv. Udaipur- Amarpur 132 kV D/C line

Sub-station

TRP-SS-01: Awarded to SPML on 4th Nov'16

1. 2x31.5 MVA, 132/33 kV new sub-station at Satchand

Land acquisition	:	Acquired(Soil investigation under progress)
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Nov'19
Constraint if any	:	

2. 2x31.5 MVA, 132/33 kV new sub-station at Sabroom

Land acquisition	:	Acquired (Contouring & soil investigation completed).
Civil work (%)	:	

Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Nov'19
Constraint if any	:	

3. 2x50 MVA, 132/33 kV new sub-station at Belonia

Land acquisition	:	Acquired (Contouring completed).
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Nov'19
Constraint if any	:	

4. 2x50 MVA, 132/33 kV new sub-station at Bagafa

Land acquisition	:	Acquired
Civil work (%)	:	(Site leveling is in progress)
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Nov'19
Constraint if any	:	

TRP-SS-02: Awarded to SPML on 4th Nov'16

5. 2x50 MVA, 132/33 kV new sub-station at Rabindra Nagar

Land acquisition	:	Acquired
Civil work (%)	:	(site leveling is in progress)
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Nov'19
Constraint if any	:	

6. 2x50 MVA, 132/33 kV new sub-station at Gokulnagar

Land acquisition	:	Acquired
Civil work (%)	:	(site leveling is in progress)
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Nov'19
Constraint if any	:	

7. Augmentation of Udaipur sub-station

Land acquisition	:	Acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	

Scheduled date of completion	:	Nov'19
Constraint if any	:	

8. Augmentation of Jirania sub-station

Land acquisition	:	Acquired (Soil investigation is in progress).
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Nov'19
Constraint if any	:	

9. 132/33/11 kV Rokhia (Extn) Substation

Land acquisition	:	Acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Nov'19
Constraint if any	:	

TRP-SS-03: Awarded to SPML on 4th Nov'16

10. 2x50 MVA, 132/33 kV new sub-station at Manu

Land acquisition	:	Acquired (Contour is completed)
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Nov'19
Constraint if any	:	

11. 2x31.5 MVA, 132/33 kV new sub-station at Mohonpur (Hezamara) Land acquisition

	:	Acquired
Civil work (%)	:	(site leveling is in progress)
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Nov'19
Constraint if any	:	

12. 2x31.5 MVA, 132/33 kV new Substation at Amarpur

Land acquisition	:	Acquired (Contour completed)
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Nov'19

- | | | |
|-------------------|---|--|
| Constraint if any | : | |
|-------------------|---|--|
- 13.** Replacement of existing 2x7.5 MVA, 132/33 kV transformer by 2x50 MVA, 132/33 kV transformer at Kailasahar,
- | | | |
|------------------------------|---|----------|
| Land acquisition | : | Acquired |
| Civil work (%) | : | |
| Equipment received (%) | : | |
| Equipment erected (%) | : | |
| Scheduled date of completion | : | Nov'19 |
| Constraint if any | : | |
- 14.** Augmentation of Ambassa sub-station by addition of 1x31.5, 132/33 kV transformer, 2x10 MVA, 33/11 kV transformer & 2x250 KVA 11/0.4 kV transformer including extension of control room
- | | | |
|------------------------------|---|---|
| Land acquisition | : | Acquired (Soil investigation is in progress). |
| Civil work (%) | : | |
| Equipment received (%) | : | |
| Equipment erected (%) | : | |
| Scheduled date of completion | : | Nov'19 |
| Constraint if any | : | |
- 15.** Augmentation of Dhalabil (Khowai) sub-station by addition of 2x31.5, 132/33 kV transformer, 2x10 MVA, 33/11 kV transformer & 2x250 KVA 11/0.4 kV transformer including extension of control room-
- | | | |
|------------------------------|---|---|
| Land acquisition | : | Acquired (Soil investigation is in progress). |
| Civil work (%) | : | |
| Equipment received (%) | : | |
| Equipment erected (%) | : | |
| Scheduled date of completion | : | Nov'19 |
| Constraint if any | : | |
- 16.** 132/33/11 kV Dharmanagar (Extn.) Substation
- | | | |
|------------------------------|---|----------|
| Land acquisition | : | Acquired |
| Civil work (%) | : | |
| Equipment received (%) | : | |
| Equipment erected (%) | : | |
| Scheduled date of completion | : | Nov'19 |
| Constraint if any | : | |

Status for DMS Packages under NERPSIP:

State	Total no of packages	Total sanctioned cost (Rs. In Crs.)	No. of Packages awarded	Cost of awarded packages (Rs. In Crs.)
Assam	4	383.9	4	337.5
Manipur	4	207.8	4	170.9 Cr.
Meghalaya	3	170.79	3	117.78 Cr.
Mizoram	1	12.63	Included in substation package	
Nagaland	4	140.	2	42.42 Cr
Tripura	5	662.26	5	474.85 Cr.
Total	21	1578.7	18	

Works have commenced in all awarded DMS packages.

Comprehensive Scheme of Transmission & Distribution System in Arunachal Pradesh & Sikkim

Background

Presently, only 5 out of 20 districts of Arunachal Pradesh are connected to transmission network at 132/220 KV. The 33 KV system is the backbone of power distribution system in the State. Due to low population density spread over its geographical area of 84,000 sq.km, power demand in Arunachal Pradesh is scattered over large distances. Hence it is necessary to provide 132 KV connectivity in the state for proper voltage management and lower distribution losses. Similarly, the distribution system in Sikkim mainly relies on 66 KV network, which needs to be strengthened substantially.

In view of this, it is proposed to take up projects for strengthening intra-state T&D systems of the two States through 31 new 132 KV sub-stations, 14 substations of 66/11 KV, 2035 km of transmission lines (132 & 220 KV) and 2204 km of transmission lines (33 & 66 KV). The project would be implemented through PGCIL

General Details

Date of Govt. approval	: Sep, 2014
Implementing Agency	: PGCIL,
Estimated Cost (Rs. crs)	: 4754.42 Cr.
Funding	:
Phasing of expenditure	: Year 2014-15 - 233.68Cr. Year 2015-16 - 928.61Cr. Year 2016-17 - 1085.63Cr. Year 2017-18 - 1641.64Cr. Year 2018-19 - 864.86Cr. Total 4754.42Cr.
Completion schedule	: Dec, 2018(48 months)

Summary

Particulars	State	
	Sikkim	Arunachal Pradesh
Total no. of Transmission Projects (Line & S/S)	52	67
Transmission Projects awarded	38	21
Transmission Projects yet to be awarded	14	46
Transmission Projects under construction	38	21
Transmission Projects whose construction is yet to start	0	0

Scope of Transmission Projects

Sikkim

Transmission line

1. 220 kV D/C line Rangpo(Samardong) - Dikchu Pool twin moose conductor (to be operated initially at 132kV)
2. 220 kV D/C Dikchu - Singhik twin moose conductor (to be operated initially at 132kV)
3. 220 kV D/C Legship pool – New Melli line twin moose conductor
4. 220 kV D/C line Singhik – Chungthang twin moose conductor (to be operated initially at 132kV)
5. 220 kV D/C line Rangpo(PG) – Samardong (to be operated initially at 132kV)
6. LILO of Rangit-Melli (Power Deptt. Sikkim) 132kV S/c at Manpur 132kV D/C line
7. LILO of Rangit-Melli (Power Deptt. Sikkim) 132kV S/c at Namchi 132kV D/C line
8. 132 kV D/C Dikchu-Parbing Transmission Line
9. 66 kV S/C Khamdong-Temi Transmission Line
10. 66 kV D/C Dikchu pool-Makha Transmission Line
11. 66 kV S/C Khamdong-Makha Transmission Line
12. 66 kV S/C Samardong-Namthong Transmission Line
13. 66 kV S/C Samardong-Mamring Transmission Line
14. 66 kV D/C Samardong-Kumrek Transmission Line
15. 66 kV D/C Kumrek-Rorathang Transmission Line
16. 66 kV D/C Rorathang - LiLo point on Pakyong - Rongli Line
17. 66 kV S/C Parbing – sichey Transmission Line
18. 66 kV S/C Parbing - Tadong Transmission Line
19. 66 kV D/C Parbing – Pangthang Transmission Line
20. 66 kV S/C Singhik- Passidong Transmission Line
21. 66 kV S/C Singhik- Mangan Transmission Line
22. 66 kV D/C Chungthang- Lachen Transmission Line
23. 66 kV D/C Chungthang- LILON point on Rabon- Malting line

Sub-station

1. 220/132kV Legship Pool (New) s/s
2. 132/66/11kV Dikchu pool (new) s/s
3. 132/66kV Namchi (New) S/S.
4. 66/11kV Makha (New) s/s
5. 132/66/11kV Chungthang (New) s/s
6. 132/66/11kV Singhik (New) s/s
7. 132/66/11kV Samardong (New) S/s
8. 132/66kV Parbing (New) S/s
9. 66/11kV Temi (New) s/s
10. 66/11kV Khamdong (New) s/s
11. 66/11kV Kumrek (New) s/s
12. 66/11kV Namthang (New) s/s
13. 66/11kV Rorathang (New) s/s

14. 66/11kV Rellichu (New) s/
15. 66/11kV Richenpong (New) s/s
16. 66/11kV Sombaria (New) s/s
17. 66/11kV Pangthang (New) s/s
18. 66/33kV Lachen (New) s/s
19. 66/11kV Passingdong (New) s/s

Bay Extension Works in existing Substations

1. 220kV New Melli (PG) GIS S/S Extn.
2. 132kV Rangpo (PG) s/s Extn
3. 66/11kV New Namchi s/s Extn including 66kV Underground FO cable & Power cable
4. 66kV Old Namchi S/S extn.
5. 66/11kV Sichey s/s Extn
6. 66/11kV Tadong s/s Extn.
7. 66/11kV Mangan s/s Extn
8. 66/11kV Old Namchi s/s Extn.
9. 66/11kV Mamring s/s Extn
10. 66/11kV Pelling S/S Extn

Arunachal Pradesh

Transmission line

1. Niglok - Pasighat New (Napit) 132 kV S/c line on D/c tower
2. Pasighat New (Napit) - Pasighat Old 132 kV S/c line on D/c tower
3. Khupi – Seppa 132 kV S/c line on D/c tower
4. Seppa-Rilo 132 kV S/c line on D/c tower
5. Rilo-Sagali 132 kV S/c line on D/c tower
6. Sagali-Naharlagun 132 kV S/c line on D/c tower
7. Naharlagun – Gerukamukh 132 kV S/c line on D/c tower
8. Gerukamukh – Likabali 132 kV S/c line on D/c tower
9. Likabali – Niglok 132 kV S/c line on D/c tower
10. Deomali – Khonsa 132 kV S/c line
11. Khonsa – Changlang 132 kV S/c line
12. Changlang – Jairampur 132 kV S/c line
13. Jairampur – Miao 132 kV S/c line
14. Miao - Namsai (PG) 132 kV S/c line on D/c tower
15. Tezu (PG) – Halaipani 132 kV S/c line on D/c tower
16. Naharlagun – Banderdewa 132 kV S/c line on D/c tower
17. Chimpu (Itanagar)- Holongi 132 kV S/c line on D/c tower
18. Ziro (PG) – Palin 132 kV S/c line on D/c tower
19. Palin – Koloriang 132 kV S/c line on D/c tower
20. LILO of Daporijo - Along 132kV S/c at Basar 132 kV S/c line on D/c tower
21. Roing (PG) – Anini 132 kV S/c line on D/c tower
22. Along – Kambang 132 kV S/c line on D/c tower
23. Kambang – Mechuka 132 kV S/c line on D/c tower

24. Along – Yingkiong 132 kV S/c line on D/c tower
25. Yingkiong – Tuting 132 kV S/c line on D/c tower
26. Ziro (PG) - Ziro New 132 kV S/c line on D/c tower
27. Tawang – Lumla 132 kV S/c line on D/c tower
28. Daporijo – Nacho 132 kV S/c line on D/c tower
29. Khonsa – Longding 132 kV S/c line on D/c tower
30. Roing (PG) – Dambuk 132 kV S/c line on D/c tower
31. Pasighat Old – Mariyang 132 kV S/c line on D/c tower
32. Rilo – Seijosa 132 kV S/c line on D/c tower
33. Seppa – Bameng 132 kV S/c line on D/c tower

Sub-station

1. 63 MVA, 132/33 kV at Niglok
2. 20 MVA, 132/33 kV at Pasighat New (Napit)
3. 15 MVA, 132/33 kV at Seppa
4. 15 MVA, 132/33 kV at Rilo
5. 15 MVA, 132/33 kV at Sagali
6. 63 MVA, 132/33 kV at Naharlagun
7. 15 MVA, 132/33 kV at Gerukhamukh
8. 15 MVA, 132/33 kV at Likabali
9. 15 MVA, 132/33 kV at Khonsa
10. 15 MVA, 132/33 kV at Changlang
11. 15 MVA, 132/33 kV at Jairampur
12. 15 MVA, 132/33 kV at Miao
13. 15 MVA, 132/33 kV at Halaipani
14. 63 MVA, 132/33 kV at Banderdewa
15. 20 MVA, 132/33 kV at Holongi
16. 15 MVA, 132/33 kV at Palin
17. 15 MVA, 132/33 kV at Koloriang
18. 15 MVA, 132/33 kV at Basar
19. 15 MVA, 132/33 kV at Yingkiong
20. 15 MVA, 132/33 kV at Kambang
21. 15 MVA, 132/33 kV at Ziro New
22. 15 MVA, 132/33 kV at Dambuk
23. 15 MVA, 132/33 kV at Seijosa
24. 15 MVA, 132/33 kV at Bameng

Substation Extension:

1. 132kV Pasighat Old (Extn)
2. 132kV Zero (Extn)
3. 132kV Khupi (Extn)
4. 132kV Chimpu(Itanagar) (Extn)
5. 132kV Deomali (Extn)
6. 132kV Namsai (PG) Extn
7. 132kV Tezu (Extn.)

8. 132kV Roing (Extn.)
9. 132kV Along Extn.
10. 132/33kV Daporijo Extn

****Note: Communication Equipment at S/S has been considered for Voice & Data Connectivity**

1. Seppa 15 MVAR (Single Phase units)
2. Sagali 15 MVAR (Single Phase units)
3. Naharlagun 15 MVAR (Three Phase)
4. Gerukamukh 15 MVAR (Single Phase units)
5. Likabali 15 MVAR (Single Phase units)
6. Pasighat New (Napit) 15 MVAR (Single Phase units)
7. Changlang 15 MVAR (Single Phase units)
8. Miao 15 MVAR (Single Phase units)
9. Halaipani 15 MVAR (Single Phase units)
10. Yingkiong 15 MVAR (Single Phase units)
11. Rilo 15 MVAR (Single Phase units)
12. Koloriang 15 MVAR (Single Phase units)
13. Kambang 15 MVAR (Single Phase units)

State wise Progress:

Sikkim

Total no. of Packages: 12

No. of Awarded Packages: 7

Sl. No	Packages	Description	Remarks
1.	4 (TW-01, TW-02, TW-04 & TW-05)	Transmission Lines	3 packages : awarded 1 package : No response
2.	8 (SS-01, SS-03 to SS-09)	Sub-stations	4 packages : awarded 2 packages : under evaluation 1 package : No response 1 package : to be executed as quantity variation

Transmission line:

SIK-TK-01: Awarded to M/s KEC on 16th Mar'16

1. 220 kV D/C line Rangpo(Samardong) - Dikchu twin moose conductor (to be operated initially at 132kV)

Route alignment completed. 40 towers & 33 stubs supplied.

Line Length(kms) : 35

Tower Location(nos) : 134

Foundation completed(nos) :

Tower Erected(nos) :

Stringing completed(kms):

Scheduled date of completion : Sept'18
Constraint if any:

2. 220 kV D/C Legship pool – New Melli line twin moose conductor

Line Length(kms) : 10
Tower Location(nos) : 35
Foundation completed(nos) : 21
Tower Erected(nos) : 09
Stringing completed(kms) : Started
Scheduled date of completion : May'17
Constraint if any:

3. 220 kV D/C line Rangpo(PG) – Samardong (to be operated initially at 132kV)

Route alignment not approve due non-finalization of Samardong land.

Line Length(kms) : 06
Tower Location(nos) : 34
Foundation completed(nos) :
Tower Erected(nos) :
Stringing completed(kms) :
Scheduled date of completion : Sept'18
Constraint if any:

SIK-TK-02: Awarded to M/s L&T on 16th Mar'16

4. Dikchu – Parbing line 132kV D/C line

Route alignment completed.
Line Length(kms) : 22
Tower Location(nos) : 96
Foundation completed(nos) :
Tower Erected(nos) :
Stringing completed(kms) :
Scheduled date of completion : Mar'19
Constraint if any:

5. 66 kV S/C Khamdong-Temi Transmission Line

Route alignment completed.
Line Length(kms) : 12
Tower Location(nos) : 69
Foundation completed(nos) :
Tower Erected(nos) :
Stringing completed(kms) :

Scheduled date of completion : Mar'19
Constraint if any:

6. 66 kV D/C Dikchu pool-Makha Transmission Line

Route alignment approved.

Line Length(kms) : 20
Tower Location(nos) : 114
Foundation completed(nos) :
Tower Erected(nos) :
Stringing completed(kms) :
Scheduled date of completion : Mar'19
Constraint if any:

7. 66 kV S/C Khamdong-Makha Transmission Line

Route alignment completed.

Line Length(kms) : 15
Tower Location(nos) : 86
Foundation completed(nos) :
Tower Erected(nos) :
Stringing completed(kms) :
Scheduled date of completion : Mar'19
Constraint if any:

8. 66 kV S/C Samardong-Namthong Transmission Line

Route alignment completed.

Line Length(kms) : 15
Tower Location(nos) : 86
Foundation completed(nos) :
Tower Erected(nos) :
Stringing completed(kms) :
Scheduled date of completion : Mar'19
Constraint if any:

9. 66 kV S/C Samardong-Mamring Transmission Line

Route alignment completed.

Line Length(kms) : 8
Tower Location(nos) : 45
Foundation completed(nos) :
Tower Erected(nos) :
Stringing completed(kms) :
Scheduled date of completion : Mar'19
Constraint if any:

10. 66 kV D/C Samardong-Kumrek Transmission Line

Route alignment completed.

Line Length(kms)	:	18
Tower Location(nos)	:	103
Foundation completed(nos)	:	
Tower Erected(nos)	:	
Stringing completed(kms)	:	
Scheduled date of completion	:	Mar'19
Constraint if any:		

11. 66 kV D/C Kumrek-Rorathang Transmission Line

Line Length(kms)	:	18
Tower Location(nos)	:	103
Foundation completed(nos)	:	excavation under progress
Tower Erected(nos)	:	
Stringing completed(kms)	:	
Scheduled date of completion	:	Mar'19
Constraint if any:		

12. 66 kV D/C Rorathang - LiLo point on Pakyong - Rongli Line

Route alignment completed.

Line Length(kms)	:	5
Tower Location(nos)	:	29
Foundation completed(nos)	:	
Tower Erected(nos)	:	
Stringing completed(kms)	:	
Scheduled date of completion	:	Mar'19
Constraint if any:		

13. 66 kV S/C Parbing – sichey Transmission Line

Route alignment could not be done due to non-finalization of sub-station land.

Line Length(kms)	:	7
Tower Location(nos)	:	40
Foundation completed(nos)	:	
Tower Erected(nos)	:	
Stringing completed(kms)	:	
Scheduled date of completion	:	Mar'19
Constraint if any:		

14. 66 kV S/C Parbing - Tadong Transmission Line

Route alignment could not be done due to non-finalization of sub-station land

Line Length(kms)	:	12
Tower Location(nos)	:	67
Foundation completed(nos)	:	
Tower Erected(nos)	:	
Stringing completed(kms)	:	
Scheduled date of completion	:	Mar'19

Constraint if any:

15. 66 kV D/C Parbing – Pangthang Transmission Line

Route alignment could not be done due to non-finalization of sub-station land

Line Length(kms)	:	15
Tower Location(nos)	:	86
Foundation completed(nos)	:	
Tower Erected(nos)	:	
Stringing completed(kms)	:	
Scheduled date of completion	:	Mar'19

Constraint if any:

SIK-TK-04: Awarded to M/s KEC on 29th June'16

16. Singhik – Chungthang twin moose conductor (to be operated initially at 132kV) 220 kV D/C line

Route alignment could not be done due to non-finalization of sub-station land

Line Length(kms)	:	20
Tower Location(nos)	:	83
Foundation completed(nos)	:	
Tower Erected(nos)	:	
Stringing completed(kms)	:	
Scheduled date of completion	:	April'19

Constraint if any:

17. 220 kV D/C line Dikchu - Singhik twin moose conductor (to be operated initially at 132kV)

Route alignment could not be done due to non-finalization of sub-station land

Line Length(kms)	:	20
Tower Location(nos)	:	76
Foundation completed(nos)	:	
Tower Erected(nos)	:	
Stringing completed(kms)	:	
Scheduled date of completion	:	Sept'18

Constraint if any:

18. 66 kV S/C Singhik- Passidong Transmission Line-

Route alignment could not be done due to non-finalization of sub-station land

Line Length(kms)	:	20
Tower Location(nos)	:	114
Foundation completed(nos)	:	
Tower Erected(nos)	:	
Stringing completed(kms)	:	
Scheduled date of completion	:	Mar'19

Constraint if any:

19. 66 kV S/C Singhik- Mangan Transmission Line- Route alignment could not be done due to non-finalization of sub-station land

Line Length(kms) : 10
Tower Location(nos) : 57
Foundation completed(nos) :
Tower Erected(nos) :
Stringing completed(kms) :
Scheduled date of completion : May'18
Constraint if any:

20. 66 kV D/C Chungthang- Lachen Transmission Line- Route alignment could not be done due to non-finalization of sub-station land

Line Length(kms) : 22
Tower Location(nos) : 126
Foundation completed(nos) :
Tower Erected(nos) :
Stringing completed(kms) :
Scheduled date of completion : April'19
Constraint if any:

21. 66 kV D/C Chungthang- LILON point on Rabon- Malting line- Route alignment could not be done due to non-finalization of sub-station land

Line Length(kms) : 4
Tower Location(nos) : 23
Foundation completed(nos) :
Tower Erected(nos) :
Stringing completed(kms) :
Scheduled date of completion : Sept'17
Constraint if any:

SIK-SS-06: Awarded to M/s S& W on 17th Mar'17

22. LILO of Rangit-Melli (Power Deptt. Sikkim) 132kV S/c at Legship Pool 132kV D/C line.

Line Length(kms) : 02
Tower Location(nos) :
Foundation completed(nos) :
Tower Erected(nos) :
Stringing completed(kms) :
Scheduled date of completion : Mar'19
Constraint if any:

23. LILO of Rangit-Melli (Power Deptt. Sikkim) 132kV S/c at Namchi 132kV D/C line-**Yet to be awarded**

Sub-station

SIK-SS-01: Awarded to M/s EMC Limited on 8th July'16

1. 220/132kV Legship Pool (New) s/s:

Land acquisition	:	Yet to be acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	May'19
Constraint if any	:	

2. 132/66/11kV Dikchu pool (new) s/s

Land acquisition	:	Yet to be acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	May'19
Constraint if any	:	

3. 66/11kV Temi (New) s/s

Land acquisition	:	Acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	May'19
Constraint if any	:	

4. 66/11kV Khamdong (New) s/s

Land acquisition	:	Yet to be acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	May'19
Constraint if any	:	

5. 66/11kV Kumrek (New) s/s

Land acquisition	:	Yet to be acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	

Scheduled date of completion	:	May'19
Constraint if any	:	
6. 66/11kV Namthang (New) s/s		
Land acquisition	:	Yet to be acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	May'19
Constraint if any	:	

7. 66/11kV Rorathang (New) s/s		
Land acquisition	:	Yet to be acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	May'19
Constraint if any	:	

8. 66/11kV Makha (New) s/s:

Land acquisition	:	Acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	May'19
Constraint if any	:	

9. 66/11kV Mamring s/s Extn:

Land acquisition	:	Yet to be acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	May'19
Constraint if any	:	

SIK-SS-04: Awarded to M/s KEC on 23rd Dec'16

10. 132/66/11kV Samardong (New) S/s

Land acquisition	:	Land identified, Yet to be acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	July'19

Constraint if any :

11. 132/66kV Parbing (New) S/s-

Land acquisition	:	Land identified, Yet to be acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	July'19
Constraint if any	:	

12. 132kV Rangpo (PG) s/s Extn

Land acquisition	:	Yet to be acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	July'19
Constraint if any	:	

SIK-SS-06: Awarded to M/s S&W on 17th Mar'17

13. 66/11kV Richenpong (New) s/s-

Land acquisition	:	Land identified, Yet to be acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Mar'19
Constraint if any	:	

SIK-SS-08: Awarded to M/s ANGELIQUE on 17th Mar'17

14. 66/11kV Pangthang (New) s/s-

Land acquisition	:	Land identified, Yet to be acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Mar'19
Constraint if any	:	

15. 66/11kV Sichey s/s Extn-

Land acquisition	:	Yet to be acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Mar'19

Constraint if any

16. 66/11kV Tadong s/s Extn. –

Land acquisition : Yet to be acquired
Civil work (%) :
Equipment received (%) :
Equipment erected (%) :
Scheduled date of completion : Mar'19
Constraint if any

SIK-SS-03: Yet to be awarded

- 17. 132/66/11kV Chungthang (New) s/s
- 18. 132/66/11kV Singhik (New) s/s
- 19. 66/33kV Lachen (New) s/s
- 20. 66/11kV Passingdong (New) s/s
- 21. 66/11kV Mangan s/s Extn

SIK-SS-05: Yet to be awarded

- 22. 220kV New Melli (PG) GIS S/S Ext

SIK-SS-07: Yet to be awarded

- 23. 66/11kV Sombaria (New) s/s
- 24. 66/11kV Rohthak S/S

SIK-SS-09: Yet to be awarded

- 25. 132/66kV Namchi (New) S/S
- 26. 66/11kV Old Namchi s/s Extn
- 27. 66/11kV New Namchi s/s Extn including 66kV U/G FO cable & Power cable

SIK-TK-05: Yet to be awarded

- 28. 66/11kV Rellichu (New) s/s
- 29. 66/11kV Pelling S/S Extn

Arunachal Pradesh

Total no. of Packages: 39

No. of Awarded Packages: 10

Sl. No	Packages	Description	Remarks
1.	25 (TW-01 to TW-25)	Transmission Lines	1 package : awarded 18 packages: under evaluation 1 package : No response 1 package : NIT to be issued 4 packages : NIT kept under hold due to high altitude area
2.	6 (SS-01A, SS-01B, SS-0-2 to SS-05)	Sub-stations	4 packages : awarded 1 package : NIT to be issued 1 package : NIT kept under

			hold due to high altitude area.
3.	8 (DMS-01A, DMS-01B, DMS-02 to DMS-04, DMS-5A to DMS-5C)	Distribution system	5 packages : awarded 3 packages : NIT kept under hold due to high altitude area.

Transmission line:

1. **ARP-TW-01:** Likabali – Niglok 132 kV S/c line on D/c tower -**Yet to be awarded**
2. **ARP-TW-02:** Pasighat Old – Mariyang 132 kV S/c line on D/c tower-**Yet to be awarded**
3. **ARP-TW-03:** Niglok - Pasighat New (Napit) 132 kV S/c line on D/c tower -**Yet to be awarded**:
4. **ARP-TW-03:** Pasighat New (Napit) - Pasighat Old 132 kV S/c line on D/c tower -**Yet to be awarded**
5. **ARP-TW-04:** Khupi – Seppa 132 kV S/c line on D/c tower -**Yet to be awarded**
6. **ARP-TW-05:** Seppa-Rilo 132 kV S/c line on D/c tower -**Yet to be awarded**
7. **ARP-TW-06:** Rilo – Seijosa 132 kV S/c line on D/c tower-

Awarded to M/s Mohan Energy on 31st Mar'17 and LOA issued

Line Length(kms) : 85 Kms
 Tower Location(nos) : 293
 Foundation completed(nos) :
 Tower Erected(nos) :
 Stringing completed(kms) :
 Scheduled date of completion : Sept'19
 Constraint if any:

8. **ARP-TW-07:** Seppa – Bameng 132 kV S/c line on D/c tower-**Yet to be awarded**
9. **ARP-TW-07:** Sagali-Naharlagun 132 kV S/c line on D/c tower -**Yet to be awarded**
10. **ARP-TW-09:** Naharlagun – Banderdewa 132 kV S/c line on D/c tower -**Yet to be awarded**
11. **ARP-TW-09:** Chimpur (Itanagar)- Holongi 132 kV S/c line on D/c tower -**Yet to be awarded**
12. **ARP-TW-10:** Rilo-Sagali 132 kV S/c line on D/c tower -**Yet to be awarded**
13. **ARP-TW-11:** Gerukamukh – Likabali 132 kV S/c line on D/c tower -**Yet to be awarded**
14. **ARP-TW-12:** Naharlagun – Gerukamukh 132 kV S/c line on D/c tower -**Yet to be awarded**
15. **ARP-TW-13:** Ziro (PG) – Palin 132 kV S/c line on D/c tower -**Yet to be awarded**
16. **ARP-TW-13:** Palin – Koloriang 132 kV S/c line on D/c tower -**Yet to be awarded**
17. **ARP-TW-13:** LILO of Daporijo - Along 132kV S/c line at Basar -**Yet to be awarded**
18. **ARP-TW-13:** Ziro (PG) - Ziro New 132 kV S/c line on D/c tower -**Yet to be awarded**
19. **ARP-TW-13:** Daporijo – Nacho 132 kV S/c line on D/c tower -**Yet to be awarded**
20. **ARP-TW-14:** Along – Kambang 132 kV S/c line on D/c tower -**Yet to be awarded**
21. **ARP-TW-14:** Kambang – Mechuka 132 kV S/c line on D/c tower -**Yet to be awarded**
22. **ARP-TW-15:** Deomali – Khonsa 132 kV S/c line -**Yet to be awarded**
23. **ARP-TW-16:** Khonsa – Changlang 132 kV S/c line -**Yet to be awarded**

24. **ARP-TW-17:** Khonsa – Longding 132 kV S/c line on D/c tower -**Yet to be awarded**
25. **ARP-TW-18:** Changlang – Jairampur 132 kV S/c line -**Yet to be awarded**
26. **ARP-TW-19:** Jairampur – Miao 132 kV S/c line -**Yet to be awarded**
27. **ARP-TW-20:** Miao - Namsai (PG) 132 kV S/c line on D/c tower -**Yet to be awarded**
28. **ARP-TW-21:** Tezu (PG) – Halaipani 132 kV S/c line on D/c tower -**Yet to be awarded**
29. **ARP-TW-21:** Roing (PG) – Dambuk 132 kV S/c line on D/c tower-**Yet to be awarded**
30. **ARP-TW-21:** Roing (PG) – Anini 132 kV S/c line on D/c tower -**Yet to be awarded**
31. **ARP-TW-22:** Along – Yingkiong 132 kV S/c line on D/c tower -**Yet to be awarded**
32. **ARP-TW-22:** Yingkiong – Tuting 132 kV S/c line on D/c tower -**Yet to be awarded**
33. **ARP-TW-23:** Tawang – Lumla 132 kV S/c line on D/c tower -**Yet to be awarded**

Sub-station

ARP-SS01A: Awarded to M/s Neccon on 7th Jan'16

1. 63 MVA, 132/33 kV at Niglok:

Land acquisition	:	acquired
Civil work (%)	:	5% (Site leveling , Boundary wall and Tower foundation in progress
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	May'18
Constraint if any	:	

2. 20 MVA, 132/33 kV at Pasighat New (Napit)

Land acquisition	:	acquired
Civil work (%)	:	2% (Site leveling and Boundary wall in progress).
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	May'18
Constraint if any	:	

3. 15 MVA, 132/33 kV at Likabali

Land acquisition	:	acquired
Civil work (%)	:	(Site leveling is in progress
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	May'19
Constraint if any	:	

4. 132kV Pasighat Old (Extn):

Land acquisition	:	Acquisition under process and (contour survey
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	:	Completed)
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	May'18
Constraint if any	:	

ARP-SS02: Awarded to M/s Shyama on 1st Feb'16

5. 15 MVA, 132/33 kV at Seppa

Land acquisition	:	Acquired
Civil work (%)	:	(Site leveling in Progress)
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	May'18
Constraint if any	:	

6. 15 MVA, 132/33 kV at Rilo

Land acquisition	:	Acquired
Civil work (%)	:	(Site leveling in Progress)
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	May'18
Constraint if any	:	

7. 15 MVA, 132/33 kV at Seijosa:

Land acquisition	:	Land not yet finalized due to forest clearance issue
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	May'18
Constraint if any	:	

8. 15 MVA, 132/33 kV at Bameng

Land acquisition	:	Acquired
Civil work (%)	:	(Site leveling in Progress)
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	May'18
Constraint if any	:	

9. 132kV Khupi (Extn):

Land acquisition	:	Acquired (100%) (contour survey and soil
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		investigation completed)
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	May'18
Constraint if any	:	

ARP-SS03: Awarded to M/s KEC on 31st oct'16

10. 15 MVA, 132/33 kV at Sagali-

Land acquisition	:	Acquired (Contouring completed).
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Aug'19
Constraint if any	:	

11. 63 MVA, 132/33 kV at Naharlagun

Land acquisition	:	Yet to acquire
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Aug'19
Constraint if any	:	

12. 63 MVA, 132/33 kV at Banderdewa

Land acquisition	:	Yet to be acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Aug'19
Constraint if any	:	

13. 20 MVA, 132/33 kV at Holongi

Land acquisition	:	Acquired
Civil work (%)	:	(Site leveling in progress)
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Aug'19
Constraint if any	:	

14. 132kV Chimpu(Itanagar) (Extn)

Land acquisition	:	Acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Aug'19
Constraint if any	:	

ARP-SS04: Awarded to M/s KEI on 9th Dec'16

15. 15 MVA, 132/33 kV at Khonsa

Land acquisition	:	Acquired (Contouring completed).
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Oct'19
Constraint if any	:	

16. 15 MVA, 132/33 kV at Changlang

Land acquisition	:	Acquired
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Oct'19
Constraint if any	:	

17. 15 MVA, 132/33 kV at Jairampur

Land acquisition	:	Land acquisition under progress
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Oct'19
Constraint if any	:	

18. 15 MVA, 132/33 kV at Miao

Land acquisition	:	Acquired (Contouring completed).
Civil work (%)	:	
Equipment received (%)	:	
Equipment erected (%)	:	
Scheduled date of completion	:	Oct'19

19. 132kV Deomali (Extn)	Constraint if any	:	
	Land acquisition	:	Available
	Civil work (%)	:	
	Equipment received (%)	:	
	Equipment erected (%)	:	
	Scheduled date of completion	:	Oct'19
	Constraint if any	:	

20. 132kV Namsai (PG) Extn			
	Land acquisition	:	Available
	Civil work (%)	:	
	Equipment received (%)	:	
	Equipment erected (%)	:	
	Scheduled date of completion	:	Oct'19
	Constraint if any	:	

ARP-SS-1B : yet to be awarded

- 21. 15 MVA, 132/33 kV at Gerukhamukh
- 22. 15 MVA, 132/33 kV at Basar
- 23. 15 MVA, 132/33 kV at Ziro New
- 24. 132kV Zero (Extn)

ARP-SS-05: yet to be awarded

- 25. 15 MVA, 132/33 kV at Halaipani
- 26. 15 MVA, 132/33 kV at Dambuk
- 27. 15 MVA, 132/33 kV at Palin
- 28. 15 MVA, 132/33 kV at Koloriang
- 29. 15 MVA, 132/33 kV at Yingkiong
- 30. 15 MVA, 132/33 kV at Kambang
- 31. 132kV Tezu (Extn.)
- 32. 132kV Roing (Extn.)
- 33. Augmentation** 15 MVA, 132/33 kV at Daporijo
- 34. 132kV Along Ext

220kV Transmission System from Alusteng (Srinagar) to Leh (via Drass, Kargil, Khalsti and Leh Sub-station in Jammu & Kashmir (J&K))

Background

Govt. of India has approved a proposal for construction of a 220kV Transmission System from Alusteng (Srinagar) to Leh (via Drass, Kargil and Khalsti 220/66kV PGCIL substations) and 66kV Power Grid Corporation of India Limited (PGCIL) interconnection system for Drass, Kargil, Khalsti and Leh substations in Jammu & Kashmir (J&K). The transmission project shall provide grid connectivity and reliable power supply to the strategically important Ladakh region. The electric supply system of Ladakh Region in the State of J&K is currently isolated from the Northern Grid and is fed through local small hydro generation and diesel generator sets. Being an area of defence establishments and strategic importance, there is a need to improve the reliability of power supply through inter-connection with the Northern Grid. Accordingly, a 220KV Transmission System has been planned. The difficult terrain has left the Ladakh region isolated with no electrical connectivity with the rest of the grid. The region is experiencing an energy shortage of about 95 percent. The cost of local diesel generation is very high (about Rs 16-17/unit). Being an area of strategic importance, reliable power supply arrangement is very crucial.

General Details

Date of Govt. approval	: Jan, 2014
Implementing Agency	: PGCIL,
Estimated Cost (Rs. crs)	: 1788.41 Crore
Funding	:
Phasing of expenditure	: Year 2013-14 - 68.84 Cr. Year 2014-15 - 357.68 Cr. Year 2015-16 - 470.26 Cr. Year 2016-17 - 536.53 Cr. Year 2017-18 - <u>355.10 Cr.</u> Total 1788.41Cr.
Completion schedule	: Sep, 2017(42 months)

Summary:

Particulars	State
	Jammu & Kashmir
Total no. of Transmission Projects (Line & S/S)	12
Transmission Projects awarded	12
Transmission Projects yet to be awarded	nil
Transmission Projects under construction	11
Transmission Projects whose construction is yet to start	01

Scope of Transmission Project

Transmission lines

1. Alusteng (Srinagar) – Baltal 220kV S/C Line
2. Baltal – Drass 220kV S/C Line
3. Drass – Kargil 220kV S/C Line
4. Kargil – Khalsti 220kV S/C Line
5. Khalsti – Leh 220kV S/C Line
6. Underground cable near Sonmarg & Zozilla Pass
7. LILO of 66kV Leh – Nimmo line
8. LILO of 66kV Leh – Kharu line

Sub-station

1. 50MVA, 220/66kV Drass (GIS)
2. 50MVA, 220/66kV Kargil (GIS)
3. 50MVA, 220/66kV Khalsti (GIS)
4. 50MVA, 220/66kV Leh (GIS)

Status of progress of Transmission Project

Transmission lines

1. Alusteng (Srinagar) – Baltal 220kV S/C line

Awarded to M/s Gammon India Ltd. Letter of Award (LOA) issued on Aug,2014

Length of line(km)	:	70
Tower Location(nos)	:	260
Foundation completed(nos)	:	132
Tower Erected(nos)	:	54
Stringing done(Km)	:	0
Scheduled date of completion	:	Sept, 17
Constraint if any:		

2. Baltal – Drass 220kV S/C line

Awarded to M/s L&T, Letter of Award (LOA) issued on Dec,2014

Length of line(km)	:	44
Tower Location(nos)	:	164
Foundation completed(nos)	:	84
Tower Erected(nos)	:	58
Stringing done(Km)	:	6.8
Scheduled date of completion	:	Sept, 17
Constraint if any:		

3. Drass – Kargil 220kV S/C line

Awarded to M/s KPTL, Letter of Award (LOA) on Dec,2014

Line Length(kms)	:	60
Tower Location(nos)	:	200
Foundation completed(nos)	:	151
Tower Erected(nos)	:	103
Stringing completed(Km)	:	23.2
Scheduled date of completion	:	Sept, 17
Constraint if any:		

4. Kargil – Khalsti 220kV S/C line

Awarded to M/s TATA, Letter of Award (LOA) on Sep'2014

Line Length(kms)	:	94
Tower Location(nos)	:	307
Foundation completed(nos)	:	231
Tower Erected(nos)	:	206
Stringing completed(Km)	:	51
Scheduled date of completion	:	Sept, 17
Constraint if any:		

5. Khalsti – Leh 220kV S/C line

Awarded to M/s KEC, Letter of Award (LOA) on Sep'2014

Line Length(kms)	:	61.5
Tower Location(nos)	:	209
Foundation completed(nos)	:	176
Tower Erected(nos)	:	150
Stringing completed(Km)	:	35
Scheduled date of completion	:	Sept, 17
Constraint if any:		

6. Underground cable near Sonmarg & Zozilla Pass

Total work is divided in two sections of 6 Kms each. Route survey have been carried out in Section-I i.e. Sonmarg. After feasibility study of section –II, cable laying will not be possible in section-II.

7. LILO of 66kV Leh – Nimmo line

Awarded to M/s KEC, Letter of Award (LOA) on Sep'2014

Line Length(kms)	:	2.15
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Tower Location(nos)	:	14
Foundation completed(nos)	:	13
Tower Erected(nos)	:	9
Stringing completed(Km)	:	1
Scheduled date of completion	:	Sept, 17
Constraint if any:		

8. LILO of 66kV Leh – Kharu line

Awarded to M/s KEC, Letter of Award (LOA) on Sep'2014

Line Length(kms)	:	16.19
Tower Location(nos)	:	97
Foundation completed(nos)	:	55
Tower Erected(nos)	:	16
Stringing completed(Km)	:	0
Scheduled date of completion	:	Sept, 17
Constraint if any:		

Sub-station

1. 50MVA, 220/66kV GIS at Drass

Awarded to JV of M/s Hyosung and M/s KEC and Letter of Award (LOA) issued on Mar'2015

Land acquisition	:	Acquired (100%)
Civil work (%)	:	40
Equipment received (%)	:	80
Equipment erected (%)	:	0
Scheduled date of completion	:	Sept, 17
Constraint if any	:	

2. 50MVA, 220/66kV GIS at Kargil

Awarded to JV of M/s Hyosung and M/s KEC International and Letter of Award issued on Mar'2015

Land acquisition	:	Land hand over in Dec'16
Civil work (%)	:	0
Equipment received (%)	:	80
Equipment erected (%)	:	0
Scheduled date of completion	:	Sept, 17
Constraint if any	:	

3. 50MVA, 220/66 kV GIS at Khalsti

Awarded to JV of M/s Hyosung and M/s KEC, Letter of Award (LOA) issued on Mar'15

Land acquisition	:	Acquired (100%)
Civil work (%)	:	55%
Equipment received (%)	:	80
Equipment erected (%)	:	0
Scheduled date of completion	:	Sept, 17
Constraint if any	:	

4. 50MVA, 220/66 kV GIS at Leh

Awarded to JV of M/s Hyosung and M/s KEC International and Letter of Award issued on Mar'15

Land acquisition	:	Acquired (100%)
Civil work (%)	:	60%
Equipment received (%)	:	80
Equipment erected (%)	:	0
Scheduled date of completion	:	Sept, 17
Constraint if any	:	

Issues:

1. Defense clearance for 67 nos. locations. NOC is yet to be received.
2. 111 locations under Forest, to be cleared by J&K Govt.
3. Work held up in 134 locations (52 locations in Ganderbal area near Srinagar, 25 locations in Kargil area & 57 locations in Leh area)
4. Notification for waiver of State Level Taxes to the Project yet to be published.