

I/9014/2020



भारत सरकार  
**Government of India**  
 विद्युत मंत्रालय  
**Ministry of Power**  
 केन्द्रीय विद्युत प्राधिकरण  
**Central Electricity Authority**  
 विद्युत प्रणाली योजना एवं मूल्यांकन - I प्रभाग  
**Power System Planning & Appraisal - I Division**

सेवा में / To

**-As per enclosed list-**

विषय: 3<sup>rd</sup> जनवरी 2020 को आयोजित रेकांस्तितुतेद "ट्रांसमिशन पर राष्ट्रीय समिति" (एनसीटी) की पहली बैठक के मिनट्स.

**Subject: Minutes of the 1<sup>st</sup> meeting of reconstituted "National Committee on Transmission" (NCT) held on 3<sup>rd</sup> January, 2020**

Sir/Madam,

MoP vide its order dated 04.11.2019 has reconstituted the National Committee on Transmission (NCT). The 1<sup>st</sup> meeting of the reconstituted "National Committee on Transmission" (NCT) was held on **3<sup>rd</sup> January, 2020 at 11:00 am** under the chairmanship of Shri P. S. Mhaske, Chairperson, CEA in conference Room of CEA (Chintan), 2<sup>nd</sup> Floor, Sewa Bhawan, R.K. Puram, New Delhi.

The Minutes of the meeting are enclosed herewith.

Yours faithfully,

Encl: As above

(Goutam Roy)  
 Chief Engineer(PSPA-I) & Member Secretary (NCT)

**Copy to:**

- (i) Joint Secretary (Trans), Ministry of Power, Shram Shakti Bhawan, New Delhi-110001
- (ii) Chief Engineer (PSPA-II), CEA
- (iii) CEO, RECTPCL, ECE House, 3<sup>rd</sup> Floor, Annexe - II, [28A, KG Marg, New Delhi - 110001](#)
- (iv) PFC Consulting Ltd, First Floor, "Urjanidhi", 1, Barakhmba Lane, Connaught Place, New Delhi-110001
- (v) Chairman and Managing Director, POSOCO, B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi – 110010

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**List of addressees:**

1.	Chairperson, Central Electricity Authority Sewa Bhawan, R.K. Puram, New Delhi – 110 066.	2.	Member (Power System), Central Electricity Authority Sewa Bhawan, R.K. Puram, New Delhi – 110 066.
3.	Member (Economic & Commercial), Central Electricity Authority Sewa Bhawan, R.K. Puram, New Delhi – 110 066.	4.	Director (Trans) Ministry of Power Shram Shakti Bhawan, New Delhi-110001.
5.	Sh. Dilip Nigam, Scientist ‘G’, Block no. 14, CGO Complex, Lodhi Road, New Delhi - 110003	6.	Chief Operating Officer, Central Transmission Utility POWERGRID, Saudamini, Plot No. 2, Sector-29, Gurgaon – 122 001.
7.	Sh. Rajnath Ram, Adviser (Energy), NITI Aayog, Parliament Street, New Delhi – 110 001.	8.	Sh. P. K. Pahwa, Ex. Member (GO&D), CEA 428 C, Pocket -2, Mayur Vihar, Phase -1, Delhi – 110091.
9.	Shri Prabhakar Singh, Ex. Director (Projects), POWERGRID D 904, Tulip Ivory, Sector-70, Gurgaon – 122 001.		

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**Minutes of 1<sup>st</sup> meeting of National Committee on Transmission (NCT) (constituted in supersession of the erstwhile NCT) held on 3<sup>rd</sup> January, 2020 at 11:00 am under the chairmanship of Shri P. S. Mhaske, Chairperson, CEA in Conference Room of CEA (Chintan), 2<sup>nd</sup> Floor, Sewa Bhawan, R.K. Puram, New Delhi**

List of participants is enclosed at **Annexure-I**.

Chairperson, CEA as Chairman of the National Committee on Transmission (NCT) welcomed the participants to the 1<sup>st</sup> meeting of the NCT and stated that MoP vide its order dated 04.11.2019 has reconstituted the National Committee on Transmission (NCT). Accordingly, this 1<sup>st</sup> meeting of reconstituted NCT is being convened as per the revised composition and Terms of Reference. He further informed that representative from POSOCO has been invited as a special invitee to the 1<sup>st</sup> meeting of NCT. He, then requested Chief Engineer (PSPA-I), CEA to take up the agenda for discussions.

**1. Confirmation of the minutes of 6<sup>th</sup> meeting of National Committee on Transmission (NCT)**

**1.1** CEA stated that the minutes of 6<sup>th</sup> meeting of erstwhile National Committee on Transmission held on 30.09.2019 were issued vide CEA letter No. File No.CEA-PS-11-15(11)/1/2018-PSPA-I/7249/2019 dated 18.10.2019 and the minutes may be confirmed with the following corrigendum:

<b>Ite m No.</b>	<b>Scheme name</b>	<b>Table location</b>	<b>As recorded in the minutes of the meeting</b>	<b>Corrigendum proposed</b>
<b>4.3.4</b>	<b>Transmission system strengthening Scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under Phase II –Part B1 (765/400/220 ICT augmentation at Fatehgarh-II and Bhadla-II)</b>	Sl. No. 3 3 <sup>rd</sup> Column  <b>Scope:</b> Augmentation with 400/220kV, 3x500MVA Transformer (6th to 8th) at Bhadla-II PS with suitable Bus sectionalisation at 400 and 220 kV level	400/220 kV, 500 MVA ICT – 3 400 kV ICT bays –3 220 kV ICT bays –3 <b>220 line bays- 5</b>  Estimated Cost: 121 Cr.	400/220 kV, 500 MVA ICT – 3 400 kV ICT bays –3 220 kV ICT bays –3 <b>220 line bays-4</b>  Estimated Cost: 117 Cr.

**1.2** Member (E&C) stated that since this meeting is the 1<sup>st</sup> meeting of the reconstituted National Committee on Transmission (NCT), members needs to deliberate upon whether the decisions taken in the last meeting of the erstwhile NCT (6<sup>th</sup> NCT meeting held on 30.09.2019 ) can be considered/confirmed by the newly constituted NCT.

**1.3** The issue was deliberated and it was agreed that the newly constituted NCT can consider/confirm/review the decisions of the erstwhile NCT in view of the following :

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- i) Reconstitution of National Committee on Transmission (NCT) has been done in supersession of the earlier MoP order dated 13.04.2018 constituting the National Committee on Transmission.
- ii) The composition of the NCT is same as the erstwhile NCT except for addition of a member from MNRE. The two experts from Power Sector of the erstwhile NCT have also been re-nominated.

1.4 Accordingly, minutes of the meeting of the 6<sup>th</sup> meeting of erstwhile NCT along with above corrigendum were confirmed by the members of NCT.

## 2. Reconstitution of the “National Committee on Transmission” (NCT)

3.

2.1 CEA stated that earlier, Ministry of Power vide their order no. 15/3/2017-Trans dated 13.04.2018 had constituted the National Committee on Transmission (NCT) with following Terms of Reference :

- i) Formulate the transmission schemes based on transmission projects agreed in the Regional Standing Committee on Transmission (RSCTs).
- ii) Examine the cost of the schemes.
- iii) Recommend the mode of implementation of transmission schemes i.e. Tariff Based Competitive Bidding (TBCB) / Regulated Tariff Mechanism (RTM), as per the existing Tariff Policy.
- iv) Form the Bid Evaluation Committee (BEC) for a TBCB Project. #
- v) Recommend the urgency of projects for RTM.  
#The formation of BEC will be done as per the Guidelines prepared by the Ministry of Power

Till date six meetings of the National Committee on Transmission (NCT) have taken place.

2.2 Recently, Ministry of Power vide their order no. 15/3/2017-Trans dated 04.11.2019 has reconstituted the National Committee on Transmission (NCT) in supersession of its earlier order dated 13.04.2018 with following Terms of the reference (ToR) :

- i. Evaluate the functioning of the National Grid on quarterly basis.
- ii. Consider the review / recommendations of the RPCTP for system expansion / strengthening of the transmission system to be presented before the NCT at the end of every quarter i.e. by 15<sup>th</sup> July, 15<sup>th</sup> October, 15<sup>th</sup> January and 15<sup>th</sup> April.
- iii. CTU, as mandated under the Electricity Act, 2003, is to carry out periodic assessment of transmission requirement under ISTS. The CTU shall also make a comprehensive presentation before the National Committee every quarter for ensuring development of an efficient, co-ordinated and economical inter – State transmission system for smooth flow of electricity. CTU, in the process, may also take inputs from the markets to identify constraints and congestion in the transmission system.
- iv. After considering the recommendations of the CTU and the Regional Committees, the NCT shall assess the trend of growth in demand and generation in various regions; identify the constraints, if any, in the inter – Region transfer system and propose construction of transmission lines, grid stations and other infrastructures in order to meet the requirements, which are likely to arise in the near term / medium

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term, so that transmission does not constrain growth. The NCT will also draw up perspective plans, keeping the 10 to 15 years' the horizon in mind.

MoP order also states the following:

- While making their recommendations, the NCT will keep the guidelines of the Tariff Policy in mind.
- Since the NCT will be looking at the National Transmission System i.e. transmission across regions and across States, therefore, prior concurrence of Regional Power Committees (Transmission Planning) (RPCTPs) will not be relevant. The views of the RPCTPs will be relevant for transmission issues within the region; but for transmission issues across region, the views of RPCTPs will be inadequate because they will not have a national perspective, However, for inter-regional transmission lines crossing across States and Regions, the RPCTP of the originating location of these lines and the RPCTP of the terminating locations shall be consulted by the NCT.
- The recommendations of the NCT shall be placed before the Ministry of Power, Government of India for decision.

**2.3** CEA stated that the revised Terms of Reference of the NCT needs to be deliberated amongst the members of the NCT to have clarity with respect to the functions that were performed by erstwhile NCT and the functions that would be performed by reconstituted NCT as per the Terms of Reference.

**2.4** Chief Engineer, PSPA-I, CEA stated that POSOCO has been invited as a special invitee to the meeting as ToR of the Committee includes *evaluation of the functioning of the National Grid on quarterly basis*. Accordingly, it is proposed that representative from POSOCO may also be included as member of the NCT. For this MoP needs to be requested for inclusion of POSOCO as NCT member.

**2.5** Director (POSOCO) stated that National Load Despatch Centre (NLDC) has been constituted vide Ministry of Power (MOP) notification dated 2nd March 2005. "*Providing Operational feedback for national grid planning to the Authority and Central Transmission Utility*" is one of the functions of NLDC mentioned at Section 4 (j) of NLDC Rules. Since, 2011, NLDC has institutionalized the procedure of uploading Quarterly feedback on its website. Also, ToR of the erstwhile Regional Standing Committees on Transmission inter-alia included "*Evolve and finalize System Strengthening Schemes for removal of operational constraints and transfer of surplus power through inter-Regional corridors*". POSOCO being part of the Regional Standing Committees on Transmission have been providing its valuable feedback and expertise. He further stated that although the Regional Standing Committees on Transmission have also been superseded by Regional Power Committee (Transmission Planning) and its ToR no more incorporates the above mentioned provision, however, the operational feedback compiled by POSOCO is available with the Authority and CTU.

**2.6** Chief Engineer (PSPA-II) stated that clear contradictions can be seen amongst the Terms of Reference of the reconstituted National Committee on Transmission, Regional Power Committee (Transmission Planning) and statutory functions of CEA and CTU as

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envisaged in the Electricity Act, 2003. The Terms of Reference of the reconstituted NCT is overlapping with the statutory functions and duties conferred to CEA under Section 73 of the Electricity Act, 2003. Further, assessing the growth in demand is a dedicated function being carried out by the EPS Committee constituted by CEA in fulfillment of obligation under section 73(a) of Electricity Act. Also, ToR gives the impression that CTU can overpower the decisions of Regional Power Committees (Transmission Planning).

- 2.7 Expert Members stated that formulation of short term and perspective plans for development of the electricity system is a statutory function of CEA under Section 73(a) of EA, 2003. The perspective plan prepared by CEA and growth in demand assessed by the EPS Committee can be taken as input by NCT to assess the adequacy of the future transmission requirements. NCT in no way is equipped to draw up perspective plans, keeping the 10 to 15 years' horizon in mind as mentioned in TOR (iv) of the reconstituted NCT.
- 2.8 MNRE stated that the revised ToR have been framed up to facilitate development of Renewable generations in long term perspective as future generation capacity addition would be primarily through Renewable Sources. The same may be seen as complementary to the functions being performed by CEA.
- 2.9 Advisor (NITI Aayog) stated that deliberations on the ToR of the reconstituted NCT is not within the jurisdiction of this forum. The modifications in the TOR required, if any, can be taken up by CEA with the Ministry of Power.
- 2.10 Director (Trans), MoP stated that MoP is open to the suggestions of CEA/NCT in this regard. The modifications/suggestions in the ToRs of the NCT and RPC(TP) can be forwarded to Ministry of Power for their examination.
- 2.11 After detailed deliberations, the committee decided that CEA & CTU may firm up the modifications/suggestions required in the Terms of Reference of NCT and Regional Power Committees (Transmission Planning) (RPC (TP)) and forward the same to Ministry of Power for their examination and further necessary action.

#### 4. Status of transmission schemes under bidding by BPCs

- 3.1 Member (E&C), CEA stated that since the ToR of the reconstituted NCT does not call for any such furnishing of the Status by the BPC's, the same may not be taken up for now.
- 3.2 Expert member stated that as the transmission schemes under bidding process are the ones that have been recommended by the erstwhile NCT and their status could always be apprised to the members of the NCT. Not only, TBCB schemes but status of schemes under RTM also needs to be apprised to the NCT.
- 3.3 After deliberations it was agreed that the status of transmission schemes recommended by NCT may be apprised to the NCT. The bidding status of the transmission schemes, which has been recommended for implementation through TBCB route (bidding by BPCs) is enclosed as **Annexure-II**.

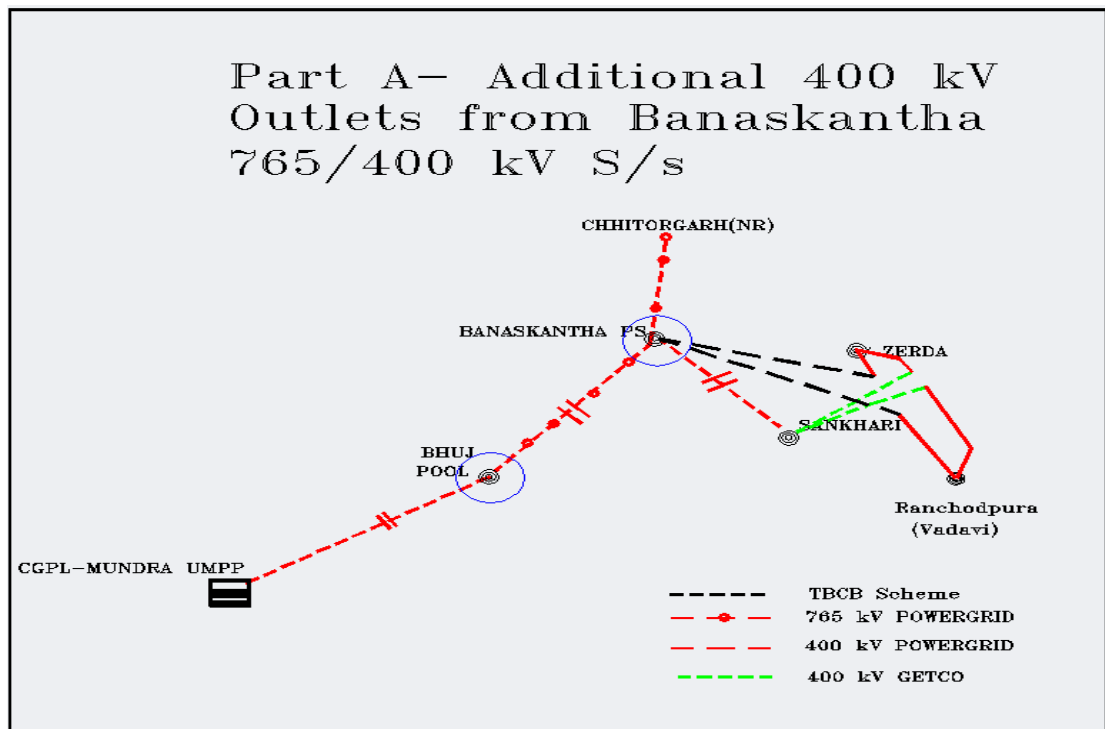
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5. Advice sought by Bid Evaluation Committee for Selection of Successful Bidder based on e-RA for the transmission scheme “Western Region Strengthening Scheme-XIX (WRSS-XIX) and North Eastern Region Strengthening Scheme-IX (NERSS-IX)

4.1 Director CEA stated that Ministry of Power vide Gazette Notification dated May 04, 2018 has appointed PFC Consulting Limited (PFCCL) as Bid Process Coordinator (BPC) for selection of Bidder as Transmission Service Provider (TSP) to establish transmission system for “Western Region Strengthening Scheme-XIX (WRSS-XIX) and North Eastern Region Strengthening Scheme-IX (NERSS-IX)” through tariff based competitive bidding process. The scope of works included in the scheme is as given below:

**Part A- Additional 400kV outlets from Banaskantha 765/400 kV S/s**

- i) LILO of second circuit of Zerda – Ranchodpura 400 kV D/c line at Banaskantha (PG) PS

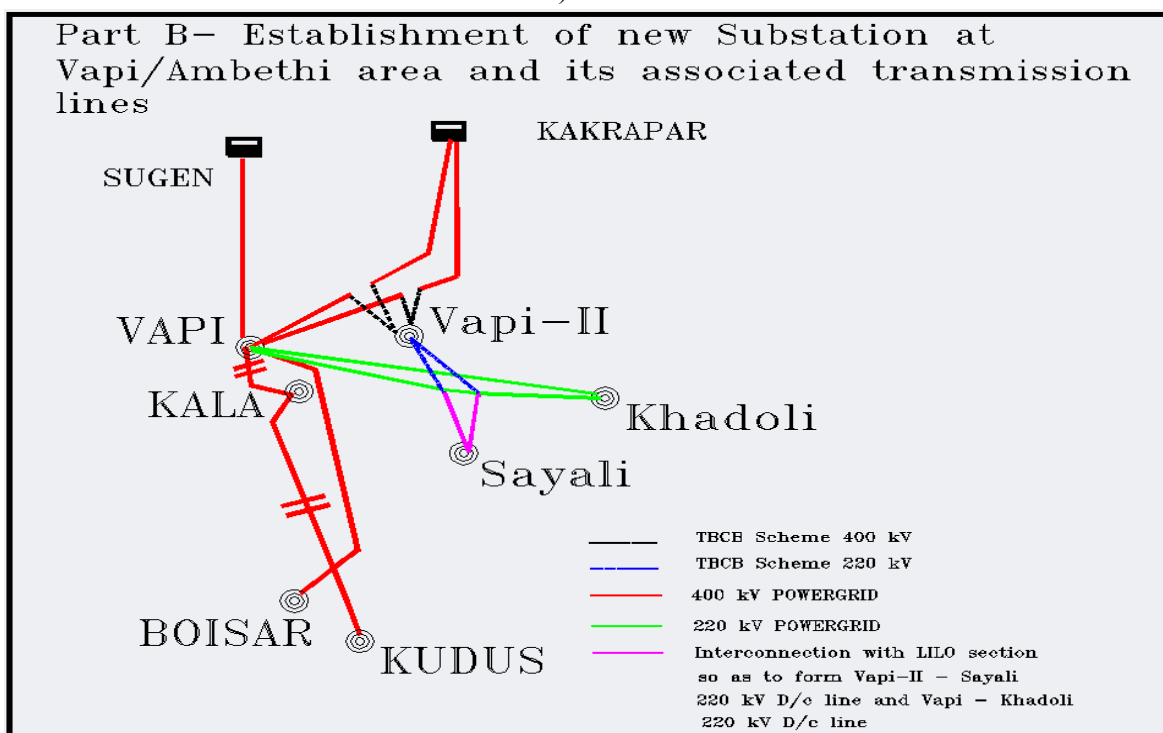


**Part B: Establishment of new substation at Vapi/Ambethi area and its associated transmission lines**

- i) Establishment of 2 x 500 MVA, 400/220 kV S/s near Vapi / Ambethi (Vapi – II)
- ICTs : 2x500MVA, 400/220kV
  - 400kV
  - ICT bays: 2 nos.
  - Line bays: 4 nos.
  - Space for 2x500MVA, 400/220kV ICTs (future)
  - Space for 400/220kV ICT bays (future): 2 nos.

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- Space for Line bays along with Line Reactors (future): 4 nos.  
220kV
  - ICT bays: 2 nos.
  - Line bays: 6 nos. (2 for Sayali (DNH) and 4 nos. for GETCO)
  - Space for 400/220kV ICT bays (future): 2 nos.
  - Space for Line bays (future): 6 nos.
- ii) LILO of both circuits of KAPP – Vapi 400 kV D/c line at Vapi – II
- iii) 1X125 MVAR bus reactor at Vapi – II Substation
- iv) Vapi-II – Sayali D/C 220kV line
- From Vapi-II upto LILO point of one circuit of Vapi(PG) –Khadoli 220kV D/c line at Sayali substation with ampacity equivalent to twin zebra conductor.
  - Interconnection with LILO section (of LILO of one circuit of Vapi(PG) – Khadoli 220kV D/c line at Sayali substation) so as to form Vapi-II – Sayali 220 kV D/c line and Vapi- Khadoli 220 kV D/c line. (The LILO section is with zebra conductor)

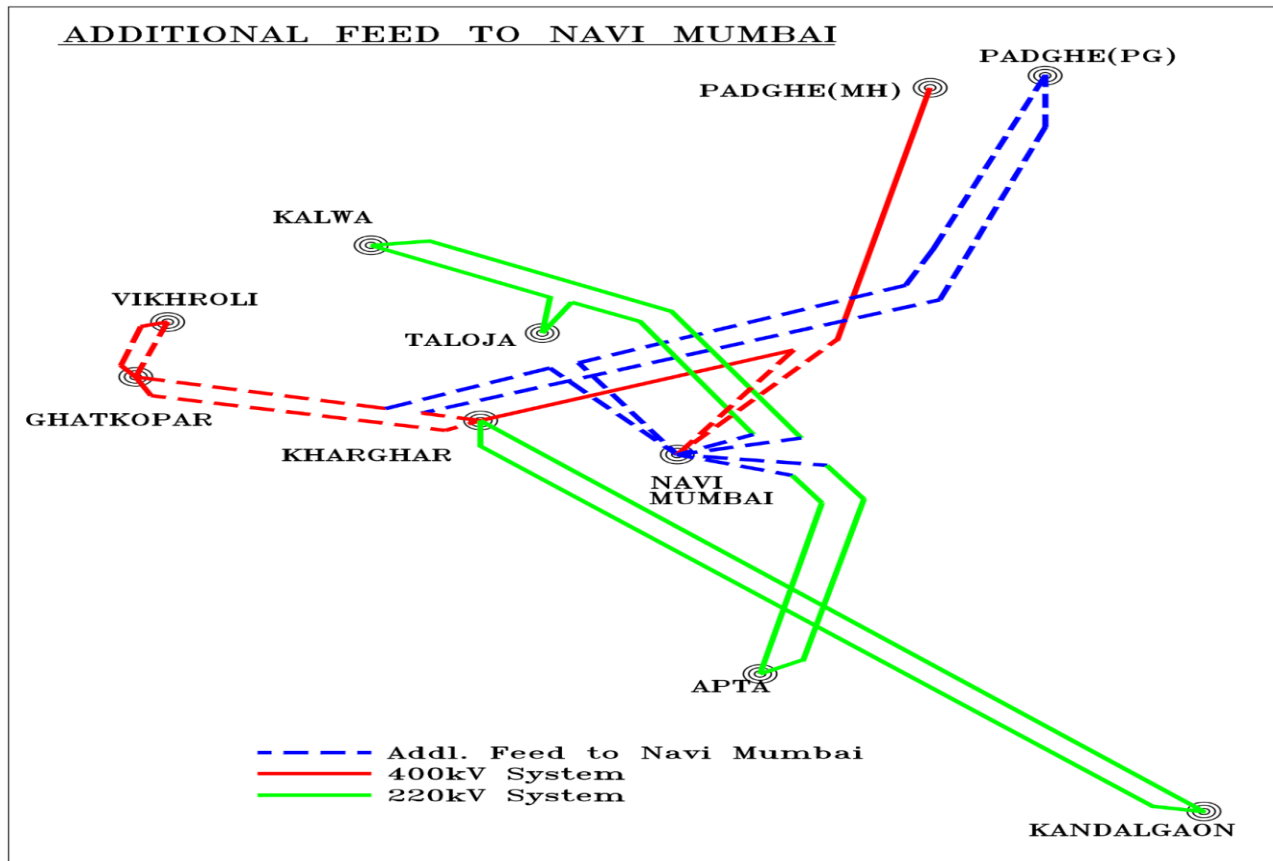


### Part C: Additional ISTS feed to Navi Mumbai 400/220 kV substation of POWERGRID

- i) Padghe (PG) – Kharghar 400 kV D/c (quad) line to be terminated into one ckt. of Kharghar – Ghatkopar 400 kV D/c (quad) line (thus forming Padghe (PG) - Kharghar 400 kV S/c (quad) line, Padghe (PG) - Ghatkopar 400 kV S/c (quad) line)
- ii) LILO of Padghe (PG) – Ghatkopar 400kV S/c line at Navi Mumbai GIS (PG) (with quad conductor)
- iii) LILO of Apta – Kalwa/Taloja 220 kV D/c line (i.e. Apta – Kalwa and Apta Taloja 220kV lines) at Navi Mumbai (PG)



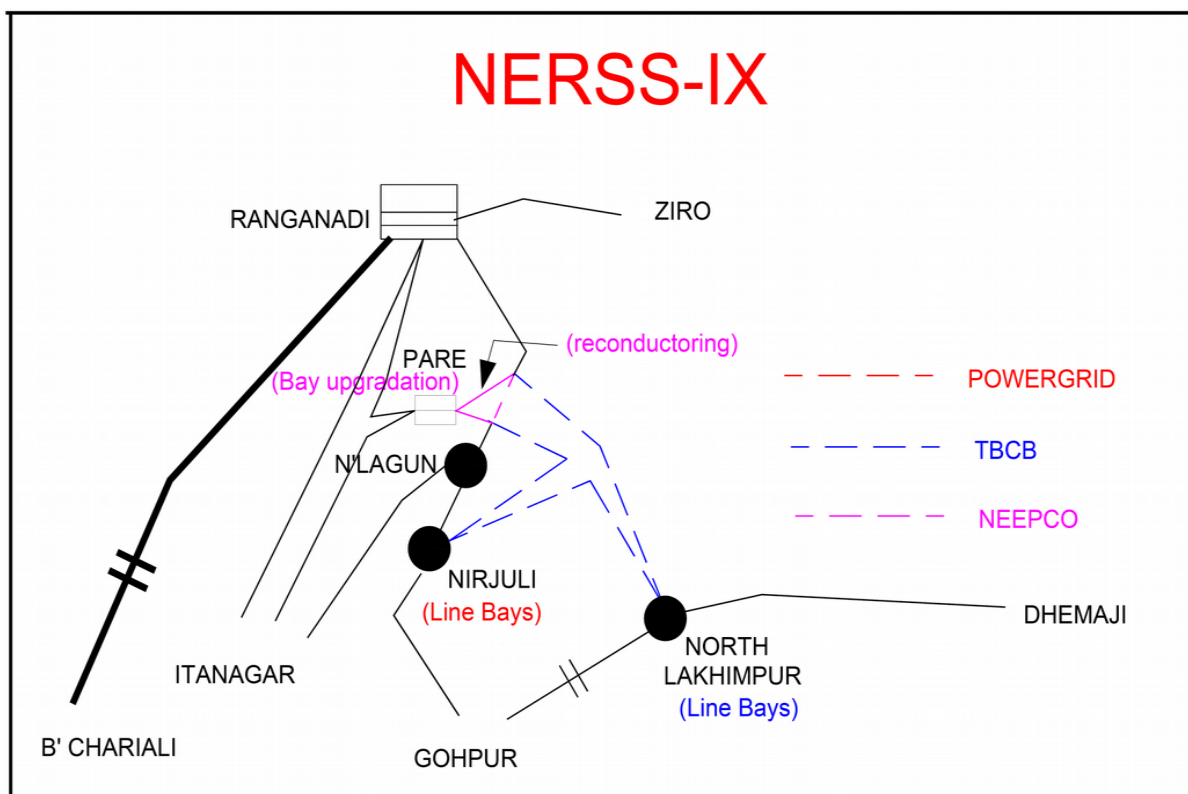
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**Part D: North Eastern Region Strengthening Scheme – IX**

- i) Pare HEP (NEEPCO) (from near LILO point)– North Lakhimpur (AEGCL) 132 kV D/c line (with ACSR Zebra conductor) along with 2 no. 132 kV line bays at North Lakhimpur end.
- ii) LILO of one circuit of Pare HEP – North Lakhimpur (AEGCL) 132kV D/c line (with ACSR Zebra) at Nirjuli (POWERGRID) substation

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4.2 PFCCL (BPC for the scheme) stated that the bid process for the project was initiated with the issuance of RfQ notification on August 14, 2018 with the last date of submission of Response to RfQ on September 13, 2018. Eight (08) responses to RFQ were received out of which seven (07) bidders were declared as qualified to participate in the RfP Stage of the Bid Process. RfP documents were issued on November 13, 2018 with January 14, 2019 as last date for submission. The last date of submission was extended seven (07) times to i.e. upto May 27, 2019 due to concerns raised by the bidder regarding the severe RoW issues associated with Part-C of the scheme i.e. “Additional ISTS feed to Navi Mumbai 400/220 kV substation of Powergrid”. Six (06) out of Seven (07) Bidders qualified at RfQ stage purchased the RfP documents but only two (02) Bidders submitted the RfP Bids online on MSTC portal by the due date and time i.e. May 27, 2019 by 15:00 hrs (IST), namely (i) Adani Transmission Limited and (ii) Sterlite Grid 13 Limited

The RfP Initial Price Offer of the two bidders were opened online at MSTC portal on June 20, 2019. The e-reverse bidding was carried out at MSTC portal on June 21, 2019 at 1100 hrs which closed on June 22, 2019 at 08:41 hrs. Both the Bidders participated in the e-reverse bidding. The BEC in its meeting held on 10th July, 2019 for evaluation of Final Offer had observed that the Levelised tariff discovered after E-RA is much higher than the Levelised tariff derived based on the cost estimated by the Cost Committee. BEC advised BPC to consult the matter with Cost Committee (to review the cost estimates if required) and CEA in order to assess the reasonability of the discovered price.

A. PFCCL vide its letter dated 11<sup>th</sup> July, 2019 requested CEA to convene Cost Committee meeting to discuss the cost estimate of the project. The cost committee held various meetings and made a site visit to Mumbai and Vapi area on 09.09.2019 for ROW assessment independently. CEA vide its letter dated 16.10.2019 has forwarded the Cost Committee report for consideration of BEC.

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B. The BEC in its meeting held on 31<sup>st</sup> October, 2019 deliberated the Cost Committee Report and observed the following:

- i) Although cost committee agrees that there may be higher RoW cost in Mumbai region but they have neither quantified the extent of cost escalation due to RoW constraints nor revised the estimated cost of the project originally envisaged in March 2019.
- ii) Cost Committee has emphasized on the importance of the scheme and its timely completion as the Scheme would enable utilization of Navi Mumbai 400/220kV Sub Station (ISTS Asset already created) and provide addition ISTS feed to Mumbai region.

BEC deliberated and opined that the matter may be referred to Empowered Committee/ National Committee on Transmission (NCT) for necessary advice. CEA stated that BPC has forwarded the request of BEC and has requested for inclusion of the same as agenda of the NCT meeting. Accordingly, issue has been put for deliberation and advice of the NCT.

**4.3** Expert Members enquired whether BEC can refer matter to NCT and whether NCT can deliberate on such issues keeping in view the ToR of the reconstituted NCT.

**4.4** CEA stated that as per MoP *Guidelines for encouraging competition in development of Transmission projects*, an Empowered Committee will be constituted by the Ministry of Power, whose functions, inter alia, includes facilitate evaluation of bids. As per MoP Tariff Based Competitive Bidding Guidelines for Transmission Service, the Empowered Committee shall constitute a Bid Evaluation Committee for evaluation of the bids.

Subsequently, MoP vide its OM dated 13<sup>th</sup> April, 2018 constituted the “National Committee on Transmission (NCT)” under chairmanship of Chairperson, CEA which included the formation of Bid Evaluation Committee (BEC) for TBCB project in its Terms of Reference. Ministry of Power vide their order no. 15/3/2017-Trans dated 04.11.2019 has reconstituted the National Committee on Transmission (NCT) in supersession of its earlier order dated 13.04.2018. The reconstituted NCT’s ToR does not include the formation of Bid Evaluation Committee (BEC) for TBCB project, however the same may be included in the modifications/suggestions required in the Terms of Reference of NCT.

The Transmission scheme “Western Region Strengthening Scheme-XIX (WRSS-XIX) and North Eastern Region Strengthening Scheme-IX (NERSS-IX) was agreed in the 37<sup>th</sup> meeting of Empowered Committee on Transmission held on 20.09.2017 and same was notified by MoP vide gazette notification dated 04.05.2018.

Since the issue pertains to the erstwhile NCT, so BEC can seek advice from NCT. In view of the above, the matter referred by BEC could be considered by the NCT to suggest the way forward.

**4.5** Advisor (NITI Aayog) stated that the levelised tariff although on higher side has been discovered through a transparent bidding process, thus cannot be challenged. Any concerns on account of it being on the higher side as compared to levelised transmission

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charges calculated as per the CERC norms based on the cost estimate provided by Cost Committee can only be evaluated by CERC.

BPC stated that the matter would be taken up by CERC only after the LoI has been issued to the successful developer and the developer approaches CERC for adoption of the tariff. However, in the present case, the Bid Evaluation Committee is yet to make its recommendation regarding the issue of LOI. As per the *Tariff Based Competitive Bidding Guidelines for Transmission Service*, the Evaluation Committee shall have the right to reject all price bids if the rates quoted are not aligned to the prevailing prices. Accordingly, the BEC has sought the advice of NCT regarding the reasonableness of the discovered levelised tariff through E-RA for the scheme, in view the necessity of the scheme and non-quantification of the escalation in cost due to RoW issues in Mumbai area by the Cost Committee.

- 4.6 CEA further informed that the purpose of the various elements of the transmission schemes and also their requirement on urgent basis as given below:

Element/Part of the scheme	Requirement of the element
<p><b>Part A- Additional 400kV outlets from Banaskantha 765/400 kV S/s</b></p> <p>LILO of second circuit of Zerda – Ranchodpura 400 kV D/c line at Banaskantha (PG) PS</p>	To avoid overloading of Banaskantha-Sankhari 400 kV D/C line under N-1 contingency (After commissioning of 700 MW Radhaneshda Ultra Mega Solar Park in Gujarat). The solar park is now anticipated to be commissioned in July 2020,
<p><b>Part B: Establishment of new substation at Vapi/Ambethi area and its associated transmission lines</b></p>	To serve loads in Vapi area At the new Vapi 400/220 kV substation, 4 nos. of 220 kV bays has been allotted to GETCO for development of their downstream network. GETCO vide their letter dated 24.12.2019 has requested for the exact location of the proposed Vapi substation as well as the tentative completion schedule of the project
<p><b>Part C: Additional ISTS feed to Navi Mumbai 400/220 kV substation of POWERGRID</b></p> <p><b>Phadge- Kharghar 400 kV D/C line</b></p> <p>LILO of Apta – Kalwa/Taloja 220 kV D/c line (i.e. Apta – Kalwa and Apta Taloja 220kV lines) at Navi Mumbai (PG)</p>	<p>MSETCL vide its letter dated 19.12.2019 has requested CEA to furnish the present status of the transmission scheme Additional ISTS feed to Navi Mumbai 400/220 kV substation of POWERGRID from Phadge (GIS) 765/400 kV ISTS substation. MSETCL has already issue LoI (under tariff based competitive bidding process) for the intra-state scheme “Establishment of 400 kV Vikroli Receiving station and associated incoming transmission lines for strengthening of Mumbai Transmission system” with March 2022 as implementation schedule. The scheme includes Kharghar- Vikroli 400 kV D/C line to feed Mumbai load.</p> <p>400/220 kV, 2 x 315 MVA new S/s (GIS) at Navi Mumbai has already been commissioned in May 2019 as a part of <b>Western Region System Strengthening -V</b> but its downstream 220 kV network LILO of Apta – Kalwa/Taloja 220 kV D/c line at Navi Mumbai (PG) is included in the current transmission scheme. For utilization of the Navi</p>

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	Mumbai GIS substation, the 220 kV downstream network is required at the earliest.
<b>Part D: North Eastern Region Strengthening Scheme – IX</b>	Strengthening of evacuation system of Pare HEP (2x55MW) of NEEPCO, which has already been commissioned in May 2018.

- 4.7 Further deliberation on the matter could not be held due to paucity of time as Chairperson, CEA had a scheduled meeting in MoP. Chairperson, CEA and Chairman of the Committee suggested that the deliberation on the matter could be continued in NCT meeting that would be scheduled shortly.

Meeting ended with thanks to the chair.

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## Annexure-I

**List of Participants of the 1<sup>st</sup> Meeting of Reconstituted National Committee (NCT) held on 03.01.2020 at CEA, New Delhi**

S.No.	Name (S/Shri)	Designation	Mb. No.	Email
<b>I CEA</b>				
1	P.S.Maske	Chairperson		
2	Sandesh Kumar Sharma	Member (E&C)		
3	Goutam Roy	Chief Engineer & Member Secretary	8376817933	<a href="mailto:goutamroy.715@gmail.com">goutamroy.715@gmail.com</a>
4	Pardeep Jindal	Chief Engineer		<a href="mailto:jindal_pardeep@yahoo.co.in">jindal_pardeep@yahoo.co.in</a>
<b>II Ministry of Power</b>				
8	G. Ghosh	Director		<a href="mailto:goutam.ghosh11@nic.in">goutam.ghosh11@nic.in</a>
<b>III Technical Expert</b>				
9	Prabhakar Singh	Technical Expert	9873174448	<a href="mailto:prabhakar.s@rediffmail.com">prabhakar.s@rediffmail.com</a>
10	P.K.Pahwa	Technical Expert	9818243524	<a href="mailto:pkpahwa2000@yahoo.com">pkpahwa2000@yahoo.com</a>
<b>IV CTU</b>				
11	Subir Sen	COO (CTU-Plg)	9650293185	<a href="mailto:subir@powergridindia.com">subir@powergridindia.com</a>
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<b>IV MNRE</b>				
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## Annexure-I

Status of Transmission Projects through TCB (RECTPCL)

Sl. no.	Transmission Scheme	Status
1	Western Region Strengthening Scheme – 21 (WRSS-21) Part-A - Transmission System Strengthening for relieving over loadings observed in Gujarat Intra-State System due to RE Injections in Bhuj PS	<ul style="list-style-type: none"> <li>• RFQ issued on 12.01.2019, 8 bidders shortlisted to participate in RFP</li> <li>• RfP issued on 13.03.2019, 5 bidders participated in RFP stage</li> <li>• <b>Adani Transmission Limited emerged as L1 bidder with levelised tariff of Rs. 951.29 Million</b></li> <li>• <b>LOI issued on 31.07.2019.</b></li> <li>• <b>SPV transferred to ATL on 14.10.2019</b></li> </ul>
2	Transmission System associated with RE generations at Bhuj-II, Dwarka & Lakadia	<ul style="list-style-type: none"> <li>• RFQ issued on 12.01.2019, 8 bidders shortlisted to participate in RFP</li> <li>• RFP bids opened on 21.08.2019, 5 bidders participated in RFP stage.</li> <li>• <b>Adani Transmission Limited emerged as L1 bidder with levelised tariff of Rs. 834.62 Million</b></li> <li>• <b>LOI issued on 28.10.2019</b></li> <li>• <b>SPV transferred to ATL on 13.11.2019</b></li> </ul>
3	Jam khambaliya Pooling Station and Interconnection of Jam khambaliya Pooling Station for providing connectivity to RE Projects (1500 MW) in Dwarka (Gujarat) and Installation of 400/220 Kv ICT along with associated bays at M/s CGPL Switchyard	<ul style="list-style-type: none"> <li>• RFQ issued on 12.01.2019, 8 bidders shortlisted to participate in RFP</li> <li>• RFP bids opened on 23.09.2019, 6 bidders participated in RFP stage</li> <li>• <b>Adani Transmission Limited emerged as L1 bidder with levelised tariff of Rs. 336.68 Million</b></li> <li>• <b>LOI issued on 28.10.2019</b></li> <li>• <b>SPV transferred to ATL on 13.11.2019</b></li> </ul>
4	Construction of Ajmer (PG)-Phagi 765 kV D/C line along with associated bays for Rajasthan SEZ	<ul style="list-style-type: none"> <li>• RFQ issued on 12.01.2019, 8 bidders shortlisted to participate in RFP</li> <li>• RfP issued on 13.03.2019, 6 bidders participated.</li> <li>• <b>PGCIL emerged as L1 bidder with levelised tariff of Rs. 613.31 Million</b></li> <li>• <b>LOI issued on 29.08.2019.</b></li> <li>• <b>SPV transferred to PGCIL on 03.10.2019</b></li> </ul>
5	Transmission system associated with LTA application from Rajasthan SEZ (Part -C)	<ul style="list-style-type: none"> <li>• RFQ issued on 12.01.2019, 8 bidders shortlisted to participate in RFP</li> <li>• RfP issued on 13.03.2019, 3 bidders participated in RFP stage.</li> </ul>



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Sl. no.	Transmission Scheme	Status
		<ul style="list-style-type: none"> <li>• <b>PGCIL emerged as L1 bidder with levelised tariff of Rs. 1220.42 Million.</b></li> <li>• <b>LOI issued on 31.07.2019.</b></li> <li>• <b>SPV transferred to PGCIL on 29.08.2019</b></li> </ul>
6	400 kV Udupi (UPCL) – Kasargode TBCB project	<ul style="list-style-type: none"> <li>• RFQ issued on 15.09.2018, 9 bidders shortlisted to participate in RFP</li> <li>• RfP issued on 31.12.2018, 4 bidders participated in RFP.</li> <li>• <b>Sterlite Grid 14 Ltd emerged as L1 bidder with levelised tariff of Rs. 847.44 million.</b></li> <li>• <b>LOI issued on 31.07.2019.</b></li> <li>• <b>SPV transferred to Sterlite on 12.09.2019</b></li> </ul>

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**Status of Transmission Projects (PFCCL)**

Sl. no.	Transmission Scheme brief	Status
1	Lakadia-Vadodara 765 kV D/c Line <b>-(WRSS-21 Part B)</b>	<ol style="list-style-type: none"> <li>1. RfQ notification published on 17.01.2019;</li> <li>2. RfQ opened on 18.02.2019;</li> <li>3. Eight (8) bidders shortlisted at RfQ stage;</li> <li>4. RfP documents issued on 18.03.2019;</li> <li>5. Three (3) bidders submitted RfP bids on 25.06.2019;</li> <li>6. RfP (financial) bid opened on 15.07.2019 followed by <b>e-reverse auction held on 16.07.2019;</b></li> <li>7. Based upon e-RA, <b>M/s Sterlite Grid 18 Limited</b> emerged as the Successful Bidder;</li> <li>8. LoI issued to the Successful Bidder on 31.07.2019;</li> <li>9. TSA has been signed by all the LTTCs;</li> <li>10. Necessary approval from MoP for transfer of SPV has been received on 12.09.2019.</li> <li>11. Regulatory approval from CERC received on 10.10.2019;</li> <li>12. PFCCL vide its letter dated 15.10.2019 has intimated SGL18 to pay Acquisition Price and furnish the contract performance Guarantee for transfer of SPV;</li> <li>13. SGL18 vide its letter dated 15.10.2019 has raised concerns about the time left for implementation of the project to match the SCOD of December 2020;</li> <li>14. PFCCL vide its letter dated 16.10.2019 has requested CEA to examine the issues raised by SGL18;</li> <li>15. CEA vide its letter dated 04.11.2019 forwarded the Minutes of Meeting (MoM) held on 22.10.2019 wherein the concerns raised by SGL18 regarding short time frame of implementation of transmission scheme has been noted. It was decided that SGL 18 may take over the SPV with immediate effect and the difficulties likely to be faced by SGL18 in completing the line in a short time frame of 14 months can be addressed at the appropriate forum;</li> <li>16. PFCCL vide its letter dated 05.11.2019 has</li> </ol>

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Sl. no.	Transmission Scheme brief	Status
		<p>once again requested SGL18 to take over the SPV without any further delay;</p> <p>17. In the meeting of the Monitoring Committee on Transmission Scheme for Solar and Wind Energy Zones, held on 06.11.2019, under the Chairmanship of Secretary, MNRE, SGL18 was directed to complete the transfer of SPV and start the work within 1 week time. In the meeting, it was decided that the extension of time would be provided as per rules. If Sterlite doesn't accept the transfer of SPV, the Bank Guarantee shall be forfeited, LoI cancelled and Sterlite blacklisted from future ISTS bids;</p> <p>18. CEA in its meeting held on 20.11.2019 advised SGL 18 following:</p> <ul style="list-style-type: none"> <li>i) To take over the SPV immediately and initiate the execution of the line. With proper monitoring of the progress of the generation projects by CTU in Coordination with SECI the mismatch in the completion schedule of RE generation projects and the associated transmission projects could be minimized.</li> <li>ii) The relief sought by SGL18 on time extension would be adequately supported by all the stakeholders in the appropriate forum.</li> <li>iii) M/s SGL18 to acquire the SPV within this week.</li> </ul> <p><b>19. SPV transferred to Successful Bidder on 26.11.2019.</b></p>
2	Transmission System for providing connectivity to RE projects at Bhuj-II (2000MW) – for 1200 MW bids received in <b>SECI Tranche V</b>	<ul style="list-style-type: none"> <li>1. RfQ notification published on 17.01.2019;</li> <li>2. RfQ opened on 18.02.2019;</li> <li>3. Nine (9) bidders shortlisted at RfQ stage;</li> <li>4. RfP documents issued on 18.03.2019;</li> <li>5. Three (3) bidders submitted RfP bids on 02.07.2019;</li> <li>6. RfP (financial) bid opened on 16.07.2019 followed by <b>e-reverse auction held on 17.07.2019;</b></li> <li>7. Based upon e-RA, <b>M/s Power Grid Corporation of India Limited</b> emerged as</li> </ul>

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Sl. no.	Transmission Scheme brief	Status
		<p>the Successful Bidder;</p> <p>8. LoI issued to the Successful Bidder i.e. M/s Power Grid Corporation of India Limited on 31.07.2019;</p> <p>9. TSA has been signed by all the LTTCs;</p> <p>10. Necessary approval from MoP for transfer of SPV has been received on 12.09.2019.</p> <p>11. Regulatory approval from CERC received on 10.10.2019;</p> <p>12. <b>SPV transferred to Successful Bidder on 16.10.2019.</b></p>
3	Rajasthan SEZ Part-B : Fatehgarh-2 – Bhadla-2 765kV D/c line	<p>1. RfQ notification published on 17.01.2019;</p> <p>2. RfQ opened on 19.02.2019;</p> <p>3. Nine (9) bidders shortlisted at RfQ stage;</p> <p>4. RfP documents issued on 03.06.2019;</p> <p>5. Four (4) bidders submitted RfP bids on 29.08.2019;</p> <p>6. RfP (financial) bid opened on 04.09.2019 followed by <b>e-reverse auction held on 05.09.2019;</b></p> <p>7. Based upon e-RA, <b>M/s Power Grid Corporation of India Limited</b> emerged as the Successful Bidder;</p> <p>8. LoI issued to the Successful Bidder on 11.09.2019;</p> <p>9. TSA has been signed by all the LTTCs;</p> <p>10. Necessary approval from MoP for transfer of SPV has been received on 10.10.2019.</p> <p>11. <b>SPV transferred to Successful Bidder on 14.10.2019.</b></p>
4	Rajasthan SEZ Part-D: Bikaner (PG) – Khetri S/s 765kV D/c line	<p>1. RfQ notification published on 17.01.2019;</p> <p>2. RfQ opened on 19.02.2019;</p> <p>3. Nine (9) bidders shortlisted at RfQ stage;</p> <p>4. RfP documents issued on 18.03.2019;</p> <p>5. Six (6) bidders submitted RfP bids on 25.06.2019;</p> <p>6. RfP (financial) bid opened on 17.07.2019 followed by e-reverse auction held on 18.07.2019;</p>

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Sl. no.	Transmission Scheme brief	Status
		7. Based upon e-RA, <b>M/s Adani Transmission Limited</b> emerged as the Successful Bidder; 8. LoI issued to the Successful Bidder on 31.07.2019; 9. TSA has been signed by all the LTTCs; 10. Necessary approval from MoP for transfer of SPV has been received on 12.09.2019; 11. <b>SPV was transferred on 19.09.2019.</b>
1	Evacuation of Power from RE Sources in Karur/ Tiruppur Wind Energy Zone (Tamil Nadu) (2500 MW) and Transmission System for providing connectivity to RE projects in Gujarat [Lakadia (2000 MW)]	1. MoP vide its letter dated 03.10.2019 has forwarded the advance copy of the Gazette appointing PFCCL as the BPC for the Scheme; 2. Gazette Notification issued on 10.10.2019; 3. PFCCL vide letter dated 07.10.2019 has requested CTU to furnish the RfQ and RfP inputs; 4. PFCCL vide its letter dated 07.10.2019 has requested MoP to advise whether single stage or existing two stage bidding is to be carried out; 5. CTU vide its letter dated 11.10.2019 has forwarded the RfQ inputs; 6. RfQ notification as per existing practice (two stage) issued on 21.10.2019; 7. Last date for submission of responses to RfQ was on 20.11.2019; 8. RfQ opened on 20.11.2019; 9. RfQ process was annulled due to the removal of Lakadia part from the scheme i.e. Transmission System for providing connectivity to RE projects in Gujarat [Lakadia (2000 MW)] 10. RfQ has been re-issued w.e.f. 18.12.2019. 11. Last date for submission of responses to RfQ was on 17.01.2020; 12. Seven (7) RfQ responses received by 17.01.2020: (i) Adani Transmission Limited (ii) Kalpataru Power Transmission Limited (iii) Power Grid Corporation of India Limited

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Sl. no.	Transmission Scheme brief	Status
		(iv) L&T Infrastructure Development Projects Limited (v) Sterlite Grid 6 Limited (vi) Renew Power Ventures Private Limited (vii) Torrent Power Limited 13. RfQ evaluation under process.
2.	Evacuation of power from RE sources in Koppal Wind Energy Zone (Karnataka) (2500 MW)	1. MoP vide its letter dated 03.10.2019 has forwarded the advance copy of the Gazette appointing PFCCL as the BPC for the Scheme; 2. Gazette Notification issued on 10.10.2019; 3. PFCCL vide letter dated 07.10.2019 has requested CTU to furnish the RfQ and RfP inputs; 4. PFCCL vide its letter dated 07.10.2019 has requested MoP to advise whether single stage or existing two stage bidding is to be carried out; 5. CTU vide its letter dated 11.10.2019 has forwarded the RfQ inputs; 6. RfQ notification as per existing practice (two stage) issued on 21.10.2019; 7. Last date for submission of responses to RfQ was on 20.11.2019; 8. RfQ opened on 20.11.2019; 9. Seven (7) RfQ responses received by 20.11.2019: (i) Adani Transmission Limited (ii) Kalpataru Power Transmission Limited (iii) Power Grid Corporation of India Limited (iv) L&T Infrastructure Development Projects Limited (v) Sterlite Grid 6 Limited (vi) Renew Power Ventures Private Limited (vii) Torrent Power Limited 10. All Seven (7) bidders were shortlisted at RfQ stage to participate on RfP Stage; 11. RfP documents issued on 19.12.2019 with the last date of submission scheduled on

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Sl. no.	Transmission Scheme brief	Status
		20.02.2020;