

I/3473/2019

/1442-1443



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 &amp; Appraisal-I Division

सेवा में / To,

Chief Executive Officer,  
PFC Consulting Ltd.,  
Urjanidhi ,1, Barakhamba Lane,  
Connaught Place,  
New Delhi-110001

विषय : विद्युत अधिनियम, 2003 की धारा 68(1) के तहत "वापी II - उत्तर लखीमपुर ट्रांसमिशन लिमिटेड", पीएफसी कंसल्टिंग लिमिटेड (पीएफसीसीएल) के एसपीवी को पारेषण योजना "Western Region Strengthening Scheme- XIX (WRSS-XIX) and North Eastern Region Strengthening Scheme-IX (NERSS-IX)" के लिये भारत सरकार का पूर्व अनुमोदन - सम्बंधित

**Sub:** Prior approval of the Government of India under section 68(1) of the Electricity Act, 2003 for the Transmission project - "Western Region Strengthening Scheme- XIX (WRSS-XIX) and North Eastern Region Strengthening Scheme-IX (NERSS-IX)" in favour of " Vapi II – North Lakhimpur Transmission Limited" , the SPV of PFC Consulting Limited (PFCCCL).

संदर्भ /Reference: PFCCCL letter no. 04/ITP-28/18-19/VNTL dated 06.12.2018

Sir/Madam,

Reference is invited to the above mentioned letter of PFCCCL, seeking prior approval of Government of India under Section 68(1) of Electricity Act, 2003, for their SPV company "Vapi II – North Lakhimpur Transmission Limited" for the transmission scheme – "Western Region Strengthening Scheme-XIX (WRSS-XIX) and North Eastern Region Strengthening Scheme-IX (NERSS-IX)", with following scope of works:

I/3473/2019

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

Sr. No.	Name of the Transmission Element	Line Length (Approx.)
1	LILO of second circuit of Zerda – Ranchodpura 400 KV D/c line at Banaskantha (PG) PS	30 Km

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

Sr. No.	Name of the Transmission Element	Line Length (Approx.)
1	Establishment of 2x500 MVA, 400/220 kV S/s near Vapi/Ambethi (Vapi – II) ICTs: 2x500MVA, 400/220 kV <u>400kV</u> <ul style="list-style-type: none"> <li>• ICT bays: 2 nos.</li> <li>• Line bays: 4 nos.</li> <li>• Space for 2x500MVA, 400/220 kV ICTs (future)</li> <li>• Space for 400/220 kV ICT bays (future): 2 nos.</li> <li>• Space for Line bays along with Line Reactors (future): 4 nos.</li> </ul> <u>220kV</u> <ul style="list-style-type: none"> <li>• ICT bays: 2 nos.</li> <li>• Line bays: 6 nos. (2 for Sayali (DNH) and 4 nos. for GETCO)</li> <li>• Space for 400/220 kV ICT bays (future): 2 nos.</li> <li>• Space for Line bays (future): 6 nos.</li> </ul>	
2	LILO of KAPP- Vapi 400 kV D/c line at Vapi - II	10 Km
3	125 MVAR bus reactor at Vapi-II Substation <ul style="list-style-type: none"> <li>• Bus Reactor: 1x125 MVAR</li> <li>• Bus Reactor Bay: 1 no</li> <li>• Space for 420KV additional Bus Reactor 1 no</li> </ul>	
4	Vapi-II – Sayali D/c 220 kV line <ul style="list-style-type: none"> <li>• 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.</li> <li>• Interconnection with LILO section (of LILO of one circuit of Vapi(PG) – Khadoli 220KV D/c line at Sayali</li> </ul>	30 Km

I/3473/2019

	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**

Sr. No.	Name of the Transmission Element	Line Length (Approx.)
1	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)	60 Km
2	LILO of Padghe (PG) – Ghatkopar 400 kV S/c line at Navi Mumbai GIS (PG) (with quad conductor)	10 Km
3	LILO of Apta – Kalwa/Taloja 220 kV D/c line (i.e. Apta – Kalwa and Apta-Taloja 220 KV lines) at Navi Mumbai (PG)	2 Km

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

Sr. No.	Name of the Transmission Element
1	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.  Note: Two line bays at Pare HEP would be spare due to bypassing of LILO of Ranganadi (NEEPCO) – Naharlagun / Nirjuli (POWERGRID) at Pare HEP (NEEPCO). The bays would be used for connecting with North Lakhimpur (AEGCL) S/s and this line will be constructed from LILO portion.
2	LILO of one circuit of Pare HEP – North Lakhimpur (AEGCL) 132KV D/c line (with ACSR Zebra) at Nirjuli (POWERGRID) substation

2. As seen from aforementioned scope of works, the above transmission scheme comprises of four parts (Part A, B, C & D). Part A, B & C have been deliberated and agreed in 41<sup>st</sup> Standing Committee Meeting on Power System Planning of Western Region held on 21.12.2016 at New Delhi; Part B & C have also been ratified in 42<sup>nd</sup> Standing Committee Meeting on Power System Planning of Western Region held on 17.11.2017 at Mumbai as per the decision taken in the 37<sup>th</sup> meeting of the erstwhile Empowered Committee on transmission held on 20.09.2017 and Part D has been agreed in 6<sup>th</sup> Standing Committee Meeting on Power System Planning of North Eastern Region held on 03.10.2016 at Imphal.

3. Further, in the 37<sup>th</sup> meeting of the erstwhile Empowered Committee on transmission held on 20.09.2017, the above scheme was decided to be taken up through Tariff Based Competitive Bidding. MoP has appointed M/s PFC Consulting Ltd. as Bid Process Coordinator (BPC) for the above scheme vide Gazette notification dated 4.5.2018.

I/3473/2019

4. Subsequently, MoP vide Gazette notification dated 11.09.2018 modified the scope of transmission scheme (as tabulated above) as per the decision taken in 2<sup>nd</sup> meeting of Empowered Committee on Transmission (ECT) held on 06.08.2018.

5. CEA conveys the prior approval of the Government of India under section 68 (1) of the Electricity Act, 2003 for the following overhead lines under the transmission scheme “Western Region Strengthening Scheme- XIX (WRSS-XIX) and North Eastern Region Strengthening Scheme-IX (NERSS-IX)” :

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

Sr. No.	Name of the Transmission line	Line Length (Approx.)
1	LILO of second circuit of Zerda – Ranchodpura 400 KV D/c line at Banaskantha (PG) PS	30 km

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

Sr. No.	Name of the Transmission line	Line Length (Approx.)
1	LILO of KAPP- Vapi 400 kV D/c line at Vapi - II	10 km
2	Vapi-II – Sayali D/c 220 kV line <ul style="list-style-type: none"> <li>• From Vapi-II upto LILO point of one circuit of Vapi(PG) – Khadoli 220 kV D/c line at Sayali substation with ampacity equivalent to twin zebra conductor.</li> <li>• Interconnection with LILO section (of LILO of one circuit of Vapi(PG) – Khadoli 220 kV 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)</li> </ul>	30 km

**Part C: Additional ISTS feed to Navi Mumbai 400/220 KV substation of POWERGRID**

Sr. No.	Name of the Transmission line	Line Length (Approx.)
1	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)	60 km
2	LILO of Padghe (PG) – Ghatkopar 400 kV S/c line at Navi Mumbai GIS (PG) (with quad conductor)	10 km
3	LILO of Apta – Kalwa/Taloja 220 kV D/c line (i.e. Apta – Kalwa and Apta-Taloja 220 kV lines) at Navi Mumbai (PG)	2 Km

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

I/3473/2019

Sr. No.	Name of the Transmission line
1	Pare HEP (NEEPCO) (from near LILO point) – North Lakhimpur (AEGCL) 132 kV D/c line (with ACSR Zebra conductor)  Note: Two line bays at Pare HEP would be spare due to bypassing of LILO of Ranganadi (NEEPCO) – Naharlagun / Nirjuli (POWERGRID) at Pare HEP (NEEPCO). The bays would be used for connecting with North Lakhimpur (AEGCL) S/s and this line will be constructed from LILO portion.
2	LILO of one circuit of Pare HEP – North Lakhimpur (AEGCL) 132 kV D/c line (with ACSR Zebra) at Nirjuli (POWERGRID) substation

6. This approval is subject to compliance of
- The relevant provisions of the Act, as amended from time to time and the rules and regulations made there under, and
  - CEA (Measures relating to Safety and Electrical Supply) Regulations, 2010 and any subsequent amendments made thereto.

7. The approval is also subject to the following conditions:
- The implementing agency will commence construction of the project within three years of grant of approval, unless this term is extended by the Central Electricity Authority.
  - Central Electricity Authority may withdraw the approval before the expiry of the period of three years after giving a one-month notice.
  - The implementing agencies shall abide by the provisions of Works of Licensee Rules, 2006 notified by the Govt. of India, Ministry of Power in the Gazette of India, extra-ordinary Part-II, Section 3(i) dated 18-04-2006 (vide GSR 217 (E) dated 18-04-2006).

भवदीय / Yours faithfully,

(पी. सी. कुरील / P.C. Kureel)

सचिव / Secretary, के.वि.प्रा / CEA

प्रति लिपि / Copy to - Joint Secretary (Trans), Ministry of Power, Shram Shakti Bhawan, New Delhi

