



पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)

POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

Registered Post with Acknowledgement Due

Ref: SR-II: RTI:F-1255:21-22/3157

Date: 27th August, 2021

Shri Murugasamy,
512, Savadi Thottom,
P.S.Palayam,
Palla Palayam (Post),
TIRUPPUR 641 663.

Sir,

Sub: Information sought under RTI Act, 2005 -- reg.

This has reference to your online application vide Ref.No.PGCIL/R/E/21/00325 dated 29/07/2021 under RTI Act, 2005. The information sought in the application in respect of 400 kV Pugalur-Arasur Transmission Line is furnished below:


1. POWERGRID has executed the project under prior approval of the Government U/S 68(1) of Electricity Act, 2003 vide Ref.No.52/11(PGCIL)/2015-PSP&PA-II dated 29/09/2015 (copy enclosed as Annexure-I).
2. Date of completion of 400 kV Pugalur-Arasur Transmission Line: 19/08/2020

As per section 19 of the Right to Information Act 2005, if required, you may file an appeal to the First Appellate Authority of the organisation within 30 days of the issue of this order. The address of the First Appellate Authority is given below:

Shri S.Ravi,
Executive Director (SRTS-II)
Power Grid Corporation of India Ltd.,
Singanayakanahalli,
Yelahanka Hobli,
Bangalore 560 064.
e-mail : sr2edo@powergrid.co.in
Tel.No.: 080-23093701

Thanking you,

Yours faithfully,


(K.V.SATYANARAYANA)
General Manager & CPIO
e-mail id: sr2cpio@powergrid.co.in
Tel.No.: 080-23093711

Encl.: As above

Copy to: ED(SRTS-II), Appellate Authority, POWERGRID, SRTS-II, Bangalore - for kind information

केन्द्रीय कार्यालय : "सौदाहिनी", प्लॉट नं. 2, सेक्टर-29, गुरुग्राम-122001, (हरियाणा), दूरभाष 0124-2571700-719

Corporate Office : "Saudahini" Plot No. 2, Sector-29, Gurugram-122001 (Haryana) Tel : 0124-2571700-719

पंजीकृत कार्यालय : बी-9, कुतुब इंस्टीटयूशनल एरिया, कटवारिया साराय, नई दिल्ली - 110 016 दूरभाष : 011-26560112, 26560121, 26564812, 26564892, सीआईएन : L40101DL1989GOI038121

Registered Office : B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi-110 016. Tel : 011-26560112, 26560121, 26564812, 26564892, CIN : L40101DL1989GOI038121

Website : www.powergridindia.com

दक्षिणी क्षेत्र पारिषद प्रणाली - II क्षेत्रीय मुख्यालय, विंहनायकनहल्ली, येलाहंका होब्लि, बेंगलूरु - 560 064, दूरभाष : 080-23093700
Southern Region Transmission System - II RHQ., Singanayakanahalli, Yelahanka Hobli, Bengaluru - 560 064, Phone: 080-23093700

Approved T



Government of India
Ministry of Power
Central Electricity Authority
Power System Planning & Project Appraisal-II Division
Sewa Bhawan, R.K. Puram New Delhi - 110 043



ISO : 9001 : 2008

No 52/11(PGCIL)/2015-PSP&PA-II

Dated: 24-09-2015

To
Chairman cum Managing Director, 251-52,
Power Grid Corp. of India Ltd.,
"Saudamini", Plot No.2, Sector-29,
Gurgaon -122 001, Haryana.

Subject: Prior approval of the government under section 68(1) of EA, 2003 for "(i) Raigarh-Pugalur 8000 MW HVDC System, (ii) AC System strengthening at Pugalur end, and (iii) Pugalur-Trichur 2000 MW VSC Based HVDC System" schemes of PGCIL.

Ref
1-MoP's letter no. 15/9/2013-Trans dated 22.09.2015
2-PGCIL letter no C/CTU-Pig/SR Raigarh-Pugalur dated 1st September, 2015.
3- PGCIL letter no C/CP/ Raigarh-Pugalur HVDC dated 26.08. 2015 and 15.06.2015
4-Minutes of Joint Meeting of SCPSP of SR and WR dated 28-May-2015.

Sir,

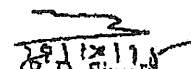
1. This has reference to POWERGRID's letter no. dated 01.09.2015 and 15.06.2015 seeking prior approval of Government under Section 68(1) of Electricity Act, 2003 for following three schemes:
Scheme # 1: Raigarh-Pugalur 6000 MW HVDC System
Scheme # 2: AC System strengthening at Pugalur end
Scheme # 3: Pugalur-Trichur 2000 MW VSC Based HVDC System
2. In this regard, MoP vide their letter dated 22nd September, 2015 has informed that the above HVDC and AC schemes will be implemented by PGCIL through regulated tariff mechanism.
3. The above schemes with following scope of works were discussed and agreed in the Joint meeting of the Standing Committee on Power System Planning of Southern Region and Western Region held on 20.04.2015 in Delhi.
Scheme # 1: Raigarh-Pugalur 6000 MW HVDC System
 1. Establishment of Raigarh HVDC Station ± 800 kV with 6000 MW HVDC terminal. (This Raigarh Station would be implemented with extended bus of Raigarh(Kotra) existing 400kV S/S. The HVDC Station would have GIS for 400kV part and AIS for HVDC part.)
 2. Establishment of Pugalur HVDC Stn ± 800 kV with 6000 MW HVDC terminal. (The HVDC Station would have GIS for 400kV part and AIS for HVDC part.)
 3. ± 800 kV Raigarh (HVDC Stn) - Pugalur (HVDC Stn) HVDC Bipole link with 6000 MW capacity.
[This system would be designed with normal 20% overload for 30 minutes and 10% overload for 2 hours.]
Scheme # 2: AC System strengthening at Pugalur end
 1. Pugalur HVDC Station - Pugalur (Existing) 400kV (quad) D/c line

2. Pugalur HVDC Station – Arasur 400kV (quad) D/c line.
3. Pugalur HVDC Station – Thiruvalem 400kV (quad) D/c line with 2x80 MVAR line reactor at Pugalur HVDC Station end and 2x63 MVAR line reactor at Thiruvalem 400kV end. (existing 1x63 MVAR bus reactor shall be utilized as line reactor in one circuit and second circuit shall have new 63 MVAR line reactor)
3. Pugalur HVDC Station – Edayarpalayam 400kV (quad) D/c line.
4. Edayarpalayam – Udumulpala 400kV (quad) D/c line.
(Establishment of 400/220kV substation at Edayarpalayam with 2x500 MVA transformers and 2x125 MVAR bus reactors would be under the scope of TANTRANSKO. The bay(4 nos) for ISTS transmission lines at Edayarpalayam would be implemented as ISTS.)

Schema # 3: Pugalur- Trichur 2000 MW VSC Based HVDC System

1. ± 320 kV, 2000 MW VSC based HVDC terminal at Pugalur. The HVDC Station would have GIS for 400kV part and AIS for HVDC part.
 2. ± 320 kV, 2000 MW VSC based HVDC terminal at North Trichur. The HVDC Station would have GIS for 400kV part and AIS for HVDC part.
 3. Establishment of VSC based 2000 MW HVDC link between Pugalur and North Trichur* (Kerala).
(*part/parts of this link, in the Kerala portion, may be implemented as underground cable where implementation as overhead transmission line is difficult because of ROW issues).
 4. LILO of North-Trichur – Cochin 400 kV (Quad) D/c line at North Trichur HVDC Stn.
4. Considering above, CEA conveys the prior approval of Government under Section 68(1) of Electricity Act, 2003 to PGCIL for the three schemes with scope of works as mentioned above.
 5. This approval is subject to compliance of:
 - (a) The requirement of the relevant provisions of the Electricity Act, 2003, as amended from time to time and the rules and regulations framed there under, and
 - (b) CEA's (Measures relating to Safety and Electrical Supply) Regulations, 2010 framed under the Electricity Act, 2003.
 6. The approval is also subject to the following conditions:
 - i) The implementing agency will commence construction of the project within three years, unless this term is extended by the Central Electricity Authority.
 - ii) Central Electricity Authority may withdraw the approval before the expiry of the period of three years after giving a one month notice.
 - iii) The implementing agencies shall abide by the provisions of Works of Licensees 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).

Yours faithfully


(P. D. Siwal)
Secretary, CEA

Copy (for information):

Joint Secretary (Trans), Ministry of Power, Shram Shakti Bhawan, New Delhi- 110001.