ಕರ್ನಾಟಕ ಸರ್ಕಾರ
GOVERNMENT OF KARNATAKA

ಪ್ರಧಾನ ಮುಖ್ಯ ಅರಣ್ಯ ಸಂರಕ್ಷಣಾಧಿಕಾರಿ
(ಅರಣ್ಯ ಪಡೆ ಮುಖ್ಯಸ್ಥರು) ರವರ ಕಚೇರಿ
Office of
Principal Chief Conservator of Forests
(Head of Forest Force)

ಅರಣ್ಯ ಭವನ, 18ನೇ ಅಡ್ಡ ರಸ್ತೆ
ಮಲ್ಲೇಶ್ವರಂ, ಬೆಂಗಳೂರು-560003
Aranya Bhavan, 18th Cross
Malleshwaram, Bengaluru - 03
Telephone: 080 2334 6472
Email: apccffc@gmail.com

E-office File No. KFD/HOFF/A52K(GFL)/15/2018-FC

E-63729
Date 06-01-2023

To,

The Additional Chief Secretary to Government
Forest, Ecology and Environment Department
M.S. Building, Bengaluru – 560 001

Sir,

Sub: Diversion of 177.091 hectare of forest land in Devalli, Payaswadi, Atle and 21 other villages in Dharwad, Haliyal, Dandeli Wildlife (Kali Tiger Reserve) and Belagavi Division(s) for laying of Goa-Tamnar 400 KV D/C Quad Transmission line (LILO Project) in favour of Manager, Goa-Tamnar Transmission Project Limited, F1 Mira Corporate Suite, Main Mathura Road, Ishwar Nagar, New Delhi
Proposal No. FP/KA/TRANS/37754/2018

Ref:
1. Ms. Goa-Tamnar Transmission Project Limited Letter No. GTTPL/NXTL/Wildlife/KA/22-23/389 dated 28-11-2022.
2. Hon'ble Central Empowerment Committee Report No. 6 of 2021.
3. Deputy Conservator of Forests, Dandeli Wildlife Division Letter No. B4/LAND/FC/Goa-Tamnar/CR-11/2022-23 dated 05-09-2022.
4. Hon'ble Supreme Court of India order dated 07-04-2022.
5. Chief Electrical Engineer, KPTCL Bagalkot letter dated 13-06-2022

With reference to the subject cited above, this office has received a representation vide Ref (1) from Goa-Tamnar Transmission Project Limited and the said representation is self-explanatory **(Copy enclosed)**. In this regard, it is requested to forward the representation to Hon'ble Central Empowerment Committee for providing clarification of their order with respect to the Karnataka portion.

Yours Faithfully

Principal Chief Conservator of Forests
(Forest Conservation) and Nodal Officer (FCA)

4709/

S. 5093601

Goa- Tamnar Transmission Project Limited
1, Sea Breeze Aptt., DB Marg, Miramar, Panji, Goa-403001

////Sterlite Power

Ref No. GTTPL/NXTL/Wildlife/KA/22-23/389 Dated: 28th Nov 2022

To,

Principal Chief Conservator of Forests & Nodal Officer FCA,
Forest Department, Government of Karnataka
Bangaluru

Sub: Diversion of 33.38 Ha of forest land for the laying of LILO of one circuit of Narendra (Existing) – Narendra (New) 400 kV DC at Xeldem (NXTL) in Dandeli Wildlife Sanctuary– *regarding compliance of the observation raised by DCF Dandeli dated 05-09-2022*

Ref:

1. Letter received from the office of the Deputy Conservator of Forests, Dandeli Wildlife Sanctuary vide No. B4/LAND/FC/Goa-Tamnar/CR-11/2022-23 dated 05th Sept 2022
2. Hon'ble Supreme Court order dated 07.04.2022
3. Letter received from the Chief Electrical Engineer, KPTCL, Bagalkot dated 13th June 2022

Dear Sir,

With reference to the subject cited above, this is to inform you that the DCF Dandeli vide above referred letter asked to follow the existing 110/220 kV line in its entirety within Dandeli Wildlife Sanctuary and update the proposal. In this context, we would like to bring to your notice that the CEC of the Hon'ble Supreme Court in report 6 of 2021 ("CEC report") recommended that "*the proposed 400 kV NXTL should be drawn along the existing 110/220 kV corridor line in Goa*". Since the entry point for NXTL at Goa-Karnataka interstate border will change due to the realigned route in Goa, CEC has also recommended that "*the Karnataka portion of the proposal should be suitably amended*".

Considering the above CEC recommendations, suitable amendment in the Karnataka portion of the proposal has been made and the transmission line route starting from Goa-Karnataka interstate border has been realigned by using the existing corridor of 110/220 kV Supa-Ponda transmission line till tower No. 18 (Point Y) at Anmod Village (Karnataka). However, after tower No. 18, the transmission line cannot be drawn through the existing corridor of the 110/220 kV Supa-Ponda line due to the following constraints:

- Till tower No. 18 (point Y as per the attached systematic diagram), both 110 kV and 220 kV TL will be dismantled, and the entire corridor will be available for 400 kV NXTL. However, after Anmod substation (point X as per the attached systematic diagram), 110 kV transmission line is currently operational, and cannot be shut down as it is the only source to feed power to Anmod village.
- Even if route realignment is done beyond point Y to draw NXTL parallel to the 110 kV line, the safe distance of around 70-100 meters depending on tower spotting area will need to be maintained as this line is operational and cannot be shut down and accordingly, KPTCL has issued the permission for the use of existing corridor of 110 kV line from is till point Y only (please refer Annexure-5).
- Both the 110 kV and 220 kV lines are routed towards Southward direction to Supa and Ambewadi substations while NXTL will have to be diverted towards Narendra in the North direction (please refer attached schematic diagram).
- GTTPL further studied the alternative routes as suggested by DCF Dandeli to assess any possible route alignment through 110/ 220 kV corridor beyond point Y. The study reveals that

ಪ್ರಧಾನ ಮುಖ್ಯ ಅರಣ್ಯ ಸಂರಕ್ಷಣಾಧಿಕಾರಿಯವರ ಕಛೇರಿ (ಮುಖ್ಯಸ್ಥರು ಅರಣ್ಯಪಡೆ), ಕರ್ನಾಟಕ, ಬೆಂಗಳೂರು.
29 NOV 2022
ಸಂಖ್ಯೆ:

under both the alternatives, length of the route in Forest and Wildlife area will increase substantially as compared to the proposed NXTL route and considering the dense nature of forest, significant amount of tree felling will be required under alternative routes.

- Further, to connect the alternative routes to the proposed NXTL route towards Belagavi, the line will have to cross the virgin forest area with the involvement of more elephant corridors. Thus, further realignment of the proposed NXTL route will be more intrusive to the forest and wildlife. *For details, please refer to the statement of comparison provided below.*

The statement of comparison between the existing NXTL route and two alternatives is given below.

Statement of comparison in terms of route length under elephant corridor and Total Forest Area in Karnataka State of NXTL							
Line Name	**Section**	**Forest/ Wildlife/ Elephant Corridor**					
		Wildlife Length (Km)	**Wildlife Area (Ha)**	**Reserve Forest Length (Km)**	**Reserve Forest Area (Ha)**	**Total (km)**	**Total (Hct)**
NXTL-Karnataka	Proposed Route	7.256	33.378	31.890	146.694	39.146	180.072
	Option-1	7.886	36.276	39.269	180.637	47.155	216.913
	Option-2	7.886	36.276	44.860	206.356	52.746	242.632

It may also be noted that the Supreme Court order dated 7th April 2022 on the CEC recommendations, has directed *the Ministry of Power, Government of India, Goa State Electricity Department and GTTPL to redraw and modify the alignment of 400 kV line corridor between Narendra-Xeldem in the state of Goa and Karnataka* in the light of observations and recommendation made in the CEC report. Taking all these into consideration, GTTPL has drawn the modified route for NXTL in Karnataka.

The above points have been brought to your kind notice for consideration of the proposed route for processing forest diversion proposal.

Yours Sincerely,

Thanking you

For Goa Tamnar Transmission Project Limited

Authorized Signatory

Encl:

1. Annexure-1: CEC report 6 of 2021
2. Annexure-2: Hon'ble Supreme Court order dated 07th April 2022
3. Annexure-3: Schematic diagram showing original, proposed and alternative alignments
4. Annexure-4: Minutes of meeting held between KPTCL and GTTPL
5. Annexure-5: Recommendation of Chief Electrical Engineer, KPTCL, Bagalkot dated 13.06.22

CENTRAL EMPOWERED COMMITTEE

(CONSTITUED BY THE HON'BLE SUPREME COURT OF INDIA

II Floor, Chanakya Bhawan, Chankayapuri, New Delhi – 21, Tel: 2161 0612, 2161 0613
Email cecindia202@gmail.com, Website: www.cecindia.nic.in

F.No. 1-19/CEC/SC/2020-Pt. (59) **Dated: 23rd April 2021**

To

The Registrar
Supreme Court of India
New Delhi-110001
(Attn: PIL Section)

SUB: CEC REPORT NO. 6 OF 2021 – Report of the CEC in Application No. 1440 filed before the CEC by the Applicant Goa Foundation alleging violation of the Hon'ble Supreme Court order dated 5.10.2015 in I.A. No. 1308 of 2005 and related I.As in W.P. (C) No. 202 / 95 (Matters relating to the National Park / Wildlife Sanctuaries) and contravention of the Wild Life (Protection), 1972 in granting clearance by the Standing Committee of National Board for Wildlife in respect of three linear infrastructure projects within the boundaries of Wildlife Sanctuary and National Park in the State of Goa.

Sir,

The Report of the Central Empowered Committee on the above subject is enclosed in 2 volumes (Four copies). It is requested that the Report may please be placed before the Hon'ble Court.

Yours faithfully

(Amarnatha Shetty)
Member Secretary

Copy to :

1. Mr. Harish N. Salve, Sr. Advocate & Amicus Curiae.
2. Mr. A.D.N. Rao, Advocate & Amicus Curiae.
3. Mr. Siddhartha Choudhary, Advocate & Amicus Curiae
4. The Secretary, Ministry of Environment , Forests & Climate Change New Delhi
5. The Secretary, Ministry of Power, Government of India, New Delhi
6. The Secretary, Ministry of Road Transport and Highways, Government of India, New Delhi

Contd..2/-

7. The Chairman, Railway Board, Ministry of Railways, New Delhi
8. The Chairman, National Highways Authority of India, Dwarka, New Delhi
9. The Chief Secretary, Government of Goa, Panaji
10. The Chief Secretary, Government of Karnataka, Bengaluru
11. The Principal Chief Conservator of Forests, Department of Forest & Wildlife, Govt. of Goa, Panaji
12. The Principal Chief Conservator of Forests, Govt. of Karnataka, Bengaluru
13. The General Manager, South Western Railways, Hubbali
14. The Chief Project Manager, Rail Vikas Nigam Limited, New Delhi
15. The Additional PCCF, Regional Office, MoEF&CC, Bengaluru
16. The Member Secretary, National Tiger Convention Authority, New Delhi
17. The Chief Engineer, Public Works Department, Goa
18. The Chief Electrical Engineer, Government of Goa, Panaji
19. M/s Goa Tamnar Transmission Power Ltd, New Delhi
20. Standing Counsel for the MoEF&CC
21. Standing Counsel for the State of Goa
22. Applicants / Respondents through their Advocate on Record
23. All Members of CEC

CENTRAL EMPOWERED COMMITTEE

REPORT No. 6 of 2021

IN

APPLICATION NO. 1440

IN

W.P. (C) No. 202 of 1995

(Volume I)

Filed by:-

GOA FOUNDATION

Dated: 23rd April 2021

SECTION B

GOA-TAMNAR TRANSMISSION PROJECT (GTTPL) FOR LAYING OF ELECTRIC LINES UNDER THE TRANSMISSION SCHEME "ADDITIONAL 400 Kv FEED TO GOA AND ADDITIONAL SYSTEM FOR POWER EVACUATION FROM GENERATION PROJECTS POOLED AT RAIGARH (TAMNAR POOL)".

46. The Goa-Tamnar Transmission Project (GTTP) is part of National Grid Development and is proposed to be implemented through the Special Purpose Vehicle Goa-Tamnar Transmission Project Private Limited, (GTTPL), New Delhi (hereinafter referred to as GTTPL). The Project involves the laying of Additional 400 Kv feed to Goa and Additional System for Power Evacuation from Generation Projects pooled at Raigarh (Tamnar) Pool so as to supply the projected power requirement of Goa with reliability. Presently demand of Goa is mainly catered through Mapusa 3X315 Double Circuit (D/c) line 400/220 Kv substation which gets feed from Kolhapur 400 Kv substation through a 400 Kv D/c line. Goa system is also connected with Maharashtra and Karnataka through 220 Kv lines.

47. The 38th Meeting of Standing Committee on Power System Planning in Western Region held on 17.07.2015 at New Delhi discussed the provision for a new 400 Kv sub-station in Goa at Xeldem along with its inter connections with the Inter-State Transmission System and agreed to the same. The 39th Meeting of Standing Committee on Power System Planning in Western Region held on 30.11.2015 considered and deliberated on several alternatives all of which involved crossing of Western Ghats (forest area). The following transmission system was discussed and recommended in the 39th and 40th SCM of Western Region held on 30.11.2015 and 01.06.2016 respectively and 39th and 40th SCM of Southern Region held on 28-29.12.2015 and 19.11.2016 respectively:

i. LILO of one ckt of Narendra (existing) – Narendra (New) 400 Kv D/c (Quadline) at Xeldem. Approximately 10 Km length passes through Dandeli Wildlife Sanctuary;

ii. Xeldem-Mapusa 400 Kv D/c (Quadline);

iii. Xeldem (New) – Xeldem (existing) 220 Kv HT LS D/c line; and

iv. Dharamjayagarh Pool Sections "B" – Raigarh (Tamnar) pool 765 Kv D/c line.

The Scheme has been recommended for implementation in the 36th Meeting of the Empowered Committee on Transmission held on 26.07.2016.

48. The GTTP is part of the 400 Kv D/C Narendra (Karnataka) – Xeldem (Goa) Transmission Line which starts at Narendra Village in Dharwad District, Karnataka and Terminates at Xeldem in Goa. The overhead lines covered under the GTTP will pass through over, around and between various villages, towns and cities as listed in Gazette Notification dated 28.11.2018 of Ministry of Power, Central Electricity Authority (Annexure R-6 of Affidavit dated 02.08.2020 filed by Respondent M/s Goa-Tamnar Transmission Project Private Limited). The estimated cost of the Project is Rs.58.2 lakhs. A copy of the Notification dated 28.11.2018 of the Ministry of Power is enclosed as **ANNEXURE-R-10** to this Report.

49. The Respondent GTTPL was granted approval under section 68 (1) of the Electricity Act, 2003 for the Transmission Project. The Central Electricity Regulatory Commission granted GTTPL the Transmission licence for the Project on Build, Own, Operate and Maintain (BOOM) basis. Thereafter on 28.11.2018 the GTTPL was granted authorization by the

Central Electricity Authority (CEA) under section 164 of the Electricity Act, 2003 for laying of electric lines under the Project. The Project, apart from enhancing the current power transmission capacity and reliability will also ensure power security to the State of Goa with provision for future expansion to meet the growing energy needs and projected power requirements of the State. Since Goa is already well connected with the Western Region grid at 400 Kv (through Kolhapur – Mapusa 400 Kv D/c lines and 220 Kv lines) and since Goa has got share of 100 MW in the Ramagundam STPS which is located in Southern Region it was found advantageous to have the second 400 Kv connection from Southern Region side.

50. According to the project proponents (GTTPL) out of the total 93.931 km length of the Transmission Project 16.331 kms involving 75.122 ha of land is in the State of Goa. Out of 16 kms, a stretch of 2.51 km falls in Bhagwan Mahaveer Wildlife Sanctuary (BMWLS). Further out of 75.122 ha of land an extent of 48.3 ha is forest land and remaining 26.822 ha is non-forest land. Out of 48.3 ha of forest land having 15772 trees an extent of 11.54 ha falls in Protected Area BMWLS, 19.61 ha is Reserve Forest, 2.38ha is unclassified forest and14.77 ha is private forest. In the State of Goa there are a total of 41 transmission towers out of which 16 towers are in

Private Land, 6 towers are in BMWLS, 13 towers are in notified government forests and 6 towers are in private forests. The entire length of 16.331 km corridor in Goa State has been proposed along new alignment.

51. In addition in the State of Karnataka a total length of 77.67 km of the Transmission line is to be drawn under this project. Out of 77.67 kms a stretch of 6.64 km falls in Dandeli Wildlife Sanctuary (DWLS), 29.272 Kms. passes through Government Forest and 2.614 kms. passes through Private / Deemed Forests (total 38.497 kms). Total extent of forest land involved along this 38.497 kms. is 177.09 ha. Out of 177.091 ha. of forest land an extent of 30.412 ha falls in Protected Area of DWLS. 134.655 ha is government forest land and 12.024 ha is Private forest / deemed forest land. An estimated 62289 trees are required to be felled in the 46m wide ROW along 38.497 km forest area in Karnataka State. The Karnataka Forest Department is yet to seek clearance under FC Act 1980 from MOEF&CC for diversion of forest land for this project of laying the 400 Kv D/c line passing through the State Forests. Similarly the State Wildlife Board and the Standing Committee of National Board for Wildlife is yet to make its recommendations under Wild Life (Protection) Act, 1972 in respect of the Karnataka portion of the proposal submitted by

GTTPL. A copy of the statement showing the division wise details of forest area and trees with number of towers is enclosed as **ANNEXURE R-11** to this Report.

52. The Transmission Project intends to lay over head cables with about 400 metres in span between two towers inside the BMWLS. The height of the towers inside the sanctuary will vary from 45 m (150 feet) to 54m (177 feet). The clearance between the ground and the sag portion of the 400Kv high voltage line prescribed under the Electricity Act is 29.44 feet.

53. Land measuring a maximum of 20 metres by 20 metres is required for the construction of foundation tower footing of each tower. Therefore a total of about 0.25 ha of land will be required for the construction of tower footing of all the towers. Since the felling will take place mainly at the location of tower footing and considering that maximum density of 35 to 40 trees will be cut at each of the tower locations where the towers are proposed to be located a total of about 250 trees will require to be felled for constructing the 6 towers in Goa. Further, to maintain the ground clearance about 1000 trees (revised from original 4146 trees) will be required to be cut. This includes

the 250 trees to be felled for tower footing. Since trees falling in the corridor of the transmission line mostly fall below transmission line they may be required to be trimmed or lopped from time to time and not felled since the height of the towers inside the BMWLS will vary from 45 meters (150 feet) to 54 meters (177 feet) and under the statute a minimum ground clearance of 29.49 feet is mandatory for 400 Kv transmission line. The transmission line when constructed will not be affecting the movement of wildlife. Also because of long span (400 meters) between two towers the natural regeneration will be allowed to come up after the stringing work on the towers is completed excepting in the 0.25 ha. area required for the 6 tower footings. The Transmission Project being an overhead transmission line does not bifurcate the forest into different parts except for arboreal animals. Respondent GTTPL has denied that a large number of trees have intentionally been excluded from enumeration so as to minimize perception of environmental damage. The transmission line projects are environmentally friendly and are excluded from environment impact assessment studies.

54. Biodiversity study is required when proposed diversion of protected area is above 50 ha. Since in the instant case only 11.54 ha falls in the Protected area there was no requirement

of conducting any Bio-Diversity Impact Assessment (BIA) and drawing up Biodiversity Management Plan (BMP) yet the Respondent GTTPS got the BIA and BMP studies conducted by an international agency Environmental Resource Management (ERM). This agency prepared the BIA Report and drew up BMP highlighting mitigation measures to be implemented by Respondent GTTPS so as to minimize the environmental impact. It was observed that the proposed Project did not have much of impact on the wildlife habitat and bio-diversity loss. The impact of the Transmission Project on the environment is temporary and minor. Further, changes, if any, in the land use during the construction period will be localised and recoverable. The Report of the ERM was duly submitted to the Wildlife Warden, North Goa and subsequently to the State Wildlife Board.

55. The proposed transmission line passes through North Goa Forest Division and Bhagwan Mahaveer Wildlife Sanctuary and forest and wildlife area involved is said to be the minimal and unavoidable.

56. According to Goa State Officials while finalising the route, Respondent GTTPL had also explored the possibility of

avoiding protected areas. However, no better corridor with minimum impact on wildlife could be found because on the one side there is the Mollem National Park while on the other side there is the Mhadei Wildlife Sanctuary. The present route was ultimately agreed upon and finalised after assessment of the three possible routes by the State Forest Department and after ensuring minimal impact on environment. The Statement showing the alternate routes examined by GTTPL is enclosed as **ANNEXURE R-12** to this Report.

57. At the meeting of State Board for Wildlife held on 2.12.2019 the State Board recommended the proposal relating to the Transmission Project to the National Board for Wildlife with the direction to the Respondent GTTPL to minimize and restrict cutting of trees within the protected area from the initially enumerated 4146 trees and 985 cane clumps to below 1000 trees in the entire 46 meter wide corridor of the transmission line and which was agreed to by the Respondent GTTPL. The State Board further directed the GTTPL to deposit 3% of the Project cost to the Goa State Forest Department for utilizing this money for eco-restoration, prey augmentation, reducing public dependence on forests and promoting traditional livelihood in and around the Protect area.

58. The Standing Committee of National Board for Wildlife (SC NBWL), at its meeting held on 07.04.2020, recommended the proposal in respect of Goa State subject to Respondent GTTPL complying with all the conditions imposed by the State Chief Wildlife Warden. The SC NBWL further recommended that the Respondent GTTPL should submit annual compliance certificate on the stipulated conditions to the State Chief Wildlife Warden who in turn shall submit an annual compliance certificate to the Government of India.

59. Under the Forest (Conservation) Act, 1980 approval of MoEF&CC will have to be taken for diversion of forest land for non-forest use before construction of transmission line commences in forest area. The Regional Empowered Committee of the Regional Office (SZ) of the MOEF&CC, Bangalore has examined the proposal for diversion of 48-30 ha. of forest land for construction of LILO of one CKF of Narendra (existing) to Narendra (New) 400 Kv D/C quad at Xeldem Transmission Line (North Division 36.76 ha. Wildlife & Eco Tourism (North) 11.54 ha.) in favour of M/s. Goa Tanmar Transmission Project Ltd. in its meeting held on 23.2.2021 and recommended that

"REC examined the proposal and heard the presentation made by the User Agency. REC noted that there is an already existing 110KV defunct line to Narendra and therefore desired that State Government should explore the possibility of alignment of the proposed 400 KV D/C line in the same corridor. REC also noted that the User Agency has also submitted a proposal for diversion of 177.091 ha. of forest land in Dharwad, Haliyal, Dandeli Wildlife (Kali Tiger Reserve) and Belagavi Divisions for laying of Goa-Tanmar 400 KV D/C Quad Transmission Line (LILO Project) in the State of Karnataka, which is under process at the State Government level for Forest and Wildlife Clearance. As per the guidelines issued under FC Act, any proposal for linear project such as roads, railway line, transmission line etc. needs to be processed in their entirety for comprehensive assessment of requirement of forest land and consequences if approval of any forest land is not granted. Therefore, REC decided to consider both the proposals together after receipt of proposal for Karnataka portion."

A copy of the minutes of the meeting of the REC, Bangalore held on 23.2.2021 is enclosed as **ANNEXURE R-13** to this Report.

60. However it is seen that the Regional Office of MOEF&CC vide letter dated 19.11.2020 has given concurrence for diversion of 69.41 ha. forest land in North Goa forest division for construction of 400 KV D/C Xeldem –Mapusa Transmission Line in favour of M/s. GTTPL. Also concurrence of MOEF&CC was issued vide letter dated 1.1.2021 for additional 28.24 ha. of forest land for construction of Xeldem to Xeldem (existing) 220 KV HTLS/C transmission line under North and South Goa Divisions in favour of M/s. GTTPL. It is to be noted that these two proposals for which concurrence was given by MOEF&CC are also part of the same project of Additional 400 KV feed to GOA approved by CEA. A copy each of the letter dated 19.11.2020 and 1.1.2021 of MoEF&CC, Regional Office, Bangalore is enclosed as **ANNEXURE R-14 (Colly.)** to this Report.

61. Further compensatory afforestation has to be undertaken to compensate for loss of forest cover because of diversion of forest land for the proposed Transmission Project. The Respondent shall bear the cost of raising and maintaining compensatory afforestation and / or penal compensatory afforestation.

OBSERVATION AND RECOMMENDATIONS

64. Additional 400 KV Feed to Goa has been approved vide notification dated 28.11.2018 by Central Electricity Authority with the following scope of work;

i. LILO of one cktof Narendra (existing) – Narendra (new) 400 Kv D/c quadline at Xeldem. Approxemately 10 km length passes through Dandeli Wildlife Sanctuary.
ii. Xeldem – Mapusa 400 Kv D/c quadline
iii. Xeldem (New) – Xeldem (existing) 220 Kv HTLS D/c line
iv. Dharamjaygarh Pool Section B – Raigarh (Tamnar) pool 765 Kv D/c line.

65. There is an inbuilt provision in the approved scheme to connect southern region (Sangod / Xeldem) with Northern Goa region (Mapusa) with a 400 Kv D/c quadline. This 400 Kv line has the capacity to carry 1200 MW of power from Mapusa to Sangod as claimed in the cost benefit analysis presented by the project proponents in the Forest Clearance proposal. Further distribution of power in the southern region are planned from Sangod 400 Kv and 220 Kv substation. A copy of the map of Goa state showing the spatial distribution of project elements is enclosed as **ANNEXURE R-15** of this Report.

66. It is seen from the minutes of the 39th meeting of the Standing committee on power system planning in Western region held on 30.11.2015 that while considering the option of additional feed to Goa through the Kolhapur (PG) – Mapusa – Xeldem (Sangod) 400 Kv D/c Quad Line without going for a new corridor from Narendra (existing) to Sangod / Xeldom the Chief Engineer, Goa Electricty Department (GED) in the said meeting stated that Goa is already well connected with the Western region Grid at 400 Kv D/c line and 220 Kv lines. It is desirable to have the second 400 Kv connectivity through southern side. Further, Goa has got share of 100 MW in the Ramagundan, STPS which is located in Southern Region. Therefore Narendra (existing) Xeldem 400 Kv D/c Quad Line may be agreed as second 400 Kv feed to Goa. He further stated that the existing Supa – Ponda 110 Kv D/c line at present is not in use and the line corridor could be released for implementation of Narendra (existing) - Xeldem 400 Kv D/c line in their territory state, if required.

67. It has also been stated in the Minutes that with the implementation of the planned WR-SR interconnections, the existing issue of limited ATC (Available Transmission Capacity) between WR-SR corridors may not be a limiting factor for export of power from WR to SR.

From the above the following is clear and becomes possible:

i) Flow of 1200 MW power from WR (Mapusa) to SR (Sangod / Xeldem) and vice versa.

ii) One of the consideration for approving the present Southern Region Corridor is that 100 MW power is also to be carried by the new 400 Kv line from Karnataka.

iii) In the event of 100 MW power from Ramagundam is carried by 400 Kv line the existing 220 Kv line between Ambevadi (Karnataka) and Ponda (Goa) will become defunct and the same line corridor is available for drawing 400 Kv line in which case the 220 Kv line has to be dismantled on commissioning of new 400 Kv corridor.

68. In the above context the following recordings in the Minutes of the 39th meeting of the Standing Committee on Power System Planning in Western Region held on 30.11.2015 is significant:

"Narendra (existing) – Xeldem 400 Kv D/c line would pass through forest area of Western Ghats. In the past also during forest clearance process of Kaiga– Narendra

400 Kv D/c line a lot of resistance from various activists and NGO's was faced. The forest clearance was recommended by Karnataka Government in 2002 only after joint confirmation from Power Grid and CEA that no further transmission line shall be laid in the area. Therefore laying of Narendra (existing) – Xeldem 400 Kv D/c line may be resisted by activist / NGO's and obtaining forest clearance and actual implementation of the line may be delayed as in case of Mysore – Kozhikode – 400 Kv D/c line."

69. The Member, CEA has suggested that amongst the alternatives suggested, the alternative involving minimum forest clearance problems may be finalised as second 400 Kv feed to Goa.

70. The Committee was aware of the importance attached to forest clearances in the Western Ghat region. However it missed to examine the best alternative of replacement of the existing 220 Kv line with 400 Kv line, which is an existing line and is passing through the already cleared forest cover in the National Park and Wildlife Sanctuaries, to avoid fresh clearing of forest canopy for drawing the proposed 400 Kv line. The

Chief Engineer (GED) Goa in the meeting had infact made out a case for the 400 Kv line from southern side since 100 MW is already being carried from the Southern Region. A copy of the Minutes of the 39th Meeting of the Standing Committee on Power System Planning in Western Region held on 30.11.2015 is enclosed as **ANNEXURE R-16** to this Report.

71. The alignment of the second 400 Kv line to Goa, even if it is taken along the new corridor as proposed in the application for forest and wildlife clearance passing through virgin forest areas, on its commissioning the existing 110 Kv (defunct) and 220 Kv lines drawn between Karnataka and Goa will require to be dismantled as the 100 MW power can be carried through the new 400 Kv line having 1200 MW capacity. Taking into account the total available power supply lines and the peak power demand of Goa State (presently 670 MW) in the forseable future there will be no justification to continue with 110 Kv and 220 Kv lines between Karnataka and Goa.

72. The proposed route along 110 Kv line has not been recommended by DCF (Wildlife& ECO Tourism) because it passes through dense evergreen forest patch of Sanctuary and National Park. Also it is an ideal habitat for Gaur with lush grasses growing on rocky escarpments. These two statements

are somewhat contradictory because if it is dense evergreen forest then in that case there cannot be open spaces and grass on ground. The fact however is that this alignment has secondary growth of vegetation along the defunct line and not dense virgin forest. Also Herbivore density is always higher in open forest. The openings created for laying the 400 Kv line will not take way the rocky escarpment and grassy patches. Instead it may create more grassy habitat underneath the 400 Kv line with 46 meter wider corridor. The higher tower heights and higher minimum clearance available will have lesser impact on wildlife. On the other hand if we were to go along the new proposed corridor through virgin forest it is certain to imbalance the equilibrium of the existing climax forest ecosystem. Further while discarding the 110 Kv line the Dy. Conservator of Forest has not considered the scope of replacement of 220 Kv Line which line runs almost parallel to the defunct 110 Kv line and which has 35 meter wide corridor and the corridor is free of tree growth. Copy of the letter dated 10.07.2018 of Dy. Conservator of Forest, Wildlife and ECO – Tourism (N) is enclosed as **ANNEXURE R-17** to this Report. A copy of the line overview of 220 / 110 Kv line presented by GTTPL and photographs of the existing 110/220 Kv line and the proposed site for 400/220 Kv substation at Sangod are enclosed as **ANNEXURE R-18 (Colly.)** to this Report.

73. It is important to note that a stretch of 2.5 Km length of the defunct 110 Kv corridor in Karnataka starting from Goa – Karnataka inter State border is proposed to be used for drawing new 400 Kv line and existing 8 towers of 110 Kv line will be replaced by equal number of towers of 400 Kv in this stretch of 2.5 Kms. The remaining corridor of the proposed 400 Kv line will pass through virgin forest land in Karnataka also. The SC NBWL has recommended the project proposal of GTTPL in respect of Goa State even before receiving the proposal from the State of Karnataka which is a clear violation of the guidelines issued by MOEF&CC in this regard. The SC NBWL does not seen to have examined the alternative available in its entirety within the State of Goa so as to ensure that there is judicious use of the available power transmission lines passing across the fragile and bio diversity rich ecosystem of the Western Ghats.

74. Keeping in view the detailed discussion above CEC is of the considered view that instead of clearing canopy of virgin forest cover along 10.50 km long corridor with 46m ROW in Goa State the proposed 400 Kv line should be drawn along the existing 220 Kv corridor line in Goa State after establishing 400 Kv corridor connectivity between Mapusa and Sangod and 220

Kv line between Sangod and Xeldem. This activity in fact is also part of the present project approved by CEA. This course of action will ensure adequate supply of power to the Southern Goa Region when the 100 MW of power now being received from Ramagundam through 220 Kv line is temporarily disrupted during the construction phase of 400 Kv line between Narendra and Sangod. Accordingly the project proposal in respect of Karnataka part will require to be suitably amended so as to make use of the existing 110 / 220 Kv line Corridor. This will also ensure that the commitment given by Power Grid and CEA to the Karnataka Government that no further transmission line shall be laid in the area is not violated. Most important of all this modification in the proposal will help in saving the precious forest cover and wildlife in the ecologically fragile and biodiversity rich Western Ghats.

Contd.../-

ITEM NO.6 COURT NO.5 SECTION PIL-W

S U P R E M E C O U R T O F I N D I A
RECORD OF PROCEEDINGS

Writ Petition(s)(Civil) No. 202/1995

IN RE : T.N. GODAVARMAN THIRUMULPAD Petitioner(s)

VERSUS

UNION OF INDIA AND ORS. Respondent(s)

[1] INTERLOCUTORY APPLICATION NO. 61370 OF 2021(CEC REPORT NO. 6 OF 2021)[APPLICATION FOR PERMISSION/DIRECTION] WITH INTERLOCUTORY APPLICATION NO. 107884 OF 2021 [APPLICATION FOR DIRECTIONS]AND INTERLOCUTORY APPLICATION NOS. 9110 AND 9113 OF 2022[APPLICATIONS FOR IMPLEADMENT AND DIRECTIONS]AND INTERLOCUTORY APPLICATION NOS. 30853 AND 30858 OF 2022[APPLICATIONS FOR IMPLEADMENT AND PERMISSION TO FILE OBJECTIONS]
IN WRIT PETITION (CIVIL) NO. 202/1995"ONLY" ARE LISTED IN W.P.(C) No. 202/1995 ALONG WITH
IA NOS. 100099 AND 100097 OF 2021 IN C.A NO. 12234-12235 OF 2018 WITH C.P.(c) NO. 938 OF 2021 "ONLY" ON 07.04.2022

WITH
CONMT.PET.(C) No. 938/2021 in C.A. No. 12234-12235/2018 (XVII)

C.A. No. 12234-12235/2018 (XVII)
(IA No. 100099/2021 - APPROPRIATE ORDERS/DIRECTIONS
IA No. 100097/2021 - INTERVENTION/IMPLEADMENT)

Date : 07-04-2022 These matters were called on for hearing today.

CORAM :
HON'BLE MR. JUSTICE L. NAGESWARA RAO
HON'BLE MR. JUSTICE B.R. GAVAI
HON'BLE MR. JUSTICE ANIRUDDHA BOSE

For the parties : By Courts Motion, AOR

Mr. A.D.N. Rao, Sr. Adv [A.C.]
Ms. Aparajita Singh, Sr. Adv [A.C.]
Mr. Siddhartha Chowdhury, Adv [A.C.]

Ms. Srishti Agnihotri, AOR
Ms. Sanjana Grace Thomas, Adv.

Mr. Chanchal Kumar Ganguli, AOR

Signature Not Verified
Digitally signed by GEETA AHUJA
Date: 2022.04.08 18:09:28 IST
Reason:

1,6.2

	Mr. Balbir Singh, Ld. ASG Mr. D.L. Chidananda, Adv. Ms. Suhasini Sen, Adv. Ms. Archana Pathak Dave, Adv. Mr. Salvador Santosh Rebello, Adv. Mr. Shyam Gopal, Adv. Mr. Sughosh Subramanyam, Adv. Mr. G. S. Makker, AOR Mr. Amrish Kumar Sharma, AOR
West Bengal	Mr. Suhaan Mukerji, Adv. Mr. Aditya Prakash, Adv. Mr. Nikhil Parikshith, Adv. Mr. Vishal Prasad, Adv. Mr. Abhishek Manchanda, Adv. Mr. Sayandeep Pahari, Adv. Mr. Tanmay Sinha, Adv. M/s. PLR Chambers And Co., AOR
	Mr. Anil Kumar, Adv. Mr. Umang Tripathi, Adv. Mr. Kamal Mohan Gupta, AOR
	Mr. Sanjay Upadhyay, Adv. Ms. Mayuri Raghuvanshi, AOR Mr. Eichoe Krishan, Adv. Mansi Bachani, Adv.
IA 6137/2021	Mr. Prashant Kumar, AOR Ms. Chery D'souza, Adv.
Haryana	Mr. Hari Om Yaduvanshi, Adv. Dr. Monika Gusain, AOR
Kerala	Mr. Nishe Rajen Shonker, AOR Ms. Anu K. Roy, Adv. Mr. Alim Anvar, Adv.
Gujarat	Ms. Archana Pathak Dave, Adv. Ms. Deepanwita Priyanka, AOR
	Mr. P. Venkat Reddy, Adv. Mr. Prashant Kr. Tyagi, Adv. Mr. P. Srinivas Reddy, Adv. M/S. Venkat Palwai Law Associates, AOR
	Mr. Kaushik Choudhury, AOR
	Mr. B. K. Pal, AOR Mr. Syed Mehdi Imam, AOR

Bihar	Mr. Saket Singh, Adv. Ms. Sangeeta Singh, Adv. Ms. Somyashree, Adv. Mrs. Niranjana Singh, AOR Mr. Chirag M. Shroff, AOR Mr. Abhishek Atrey, AOR Mr. Sarvam Ritam Khare, AOR Mr. Raghvendra Kumar, Adv. Mr. Anand Kumar Dubey, Adv. Mr. Nishant Verma, Adv. Mr. Rajiv Kumar Sinha, Adv. Mr. Simanta Kumar, Adv. Mr. Sunil Saraogi, Adv. Mr. Sandeep kumar Sen, Adv. Mr. Narendra Kumar, AOR
Puducherry	Mr. Aravindh S., AOR Mr. C. Rubavathi, Adv.
IA 100097 & 99/21	Mr. Abhishek Manu Singhvi, Sr. Adv. Mr. Chander Uday Singh, Sr. Adv. Mr. Syed Jafar Alam, AOR Mr. Deep Rao Palepu, Adv. Ms. Parichita Chowdhury, Adv. Mr. Arjun Agarwal, Adv. Mr. Amjid Maqbool, Adv.
IA 9110 & 9113/2022	Mr. Chander Uday Singh, Sr. Adv. Mr. Syed Jafar Alam, AOR Mr. Deep Rao Palepu, Adv. Ms. Parichita Chowdhury, Adv. Mr. Arjun Agarwal, Adv. Mr. Amjid Maqbool, Adv.
Rajasthan	Dr. Manish Singhvi, Sr. Adv. Mr. Arpit Parkash, Adv. Mr. Sandeep Kumar Jha, AOR
U.P	Mr. Ravindra Raizada, Addl. Adv./Sr. Adv. Mr. Rajeev Kumar Dubey, Adv. Mr. Manoj K. Mishra, Adv. Mr. Ashiwan Mishra, Adv. Mr. Kamlendra Mishra, AOR Mr. Avijit Mani Tripathi, AOR Mr. Upendra Mishra, Adv. Mr. P.S. Negi, Adv. Mr. K. V. Kharlyngdoh, Adv. Mr. S.R. Kocchar, Adv.

	Mr. T.K.Nayak,Adv.
	Dr. Joseph Aristotle S.AOR Ms. Nupur Sharma,Adv. Mr. Shobhit Dwivedi,Adv. Mr. Sanjeev Kumar Mahara,Adv.
Meghalaya State Pollution Control Board	Mrs. K. Enatoli Sema, AOR Mr. Amit Kumar Singh, Adv. Ms. Chubalemla Chang, Adv.
Andhra Pradesh	Mr. Mahfooz A. Nazki, AOR Mr. Polanki Gowtham, Adv. Mr. Shaik Mohamad Haneef, Adv. Mr. T. Vijaya Bhaskar Reddy, Adv. Mr. K. V. Girish Chowdary, Adv. Ms. Rajeswari Mukherjee, Adv.
Odisha	Mr. Shovan Mishra, AOR Ms. Bipasa Tripathy, Adv.
M.P.	Mr. Mrinal Elker Mazumdar,AOR Mr. Manish Yadav, Adv. Ms. Pratibha Yadav, Adv. Mr. Prafull Singh Chandel, Adv.
	Mr. Abhimanyu Tiwari, AOR Ms. Eliza Bar, Adv.
Maharashtra	Mr. Rahul Chitnis, Adv. Mr. Sachin Patil, AOR Mr. Aaditya A. Pande, Adv. Mr. Geo Joseph, Adv. Ms. Shwetal Shepal, Adv.
State of Goa IA 9110 & 9113/22	Mr. Nalin Kohli, Adv. Ms. Ruchira Gupta, Adv. Mr. Ravindra Ashok Lokhande, AOR
6.2	Mr. Nalin Kohli, Adv. Ms. Ruchira Gupta, Adv. Mr. Shishir Deshpande, AOR

UPON hearing the counsel the Court made the following

O R D E R

Goa Tamnar Transmission Project Limited (for short "GTTPL") is a transmission licensee selected through a tariff based competitive bidding (TBCB)

process to establish a Transmission system for "Additional 400 Kv feed to the State of Goa and Additional System for power evacuation from generation projects pooled at Raigarh (Tamnar) Pool on Build, Own, Operate and Maintain (Boom) basis"(Project).

One of the key transmission elements forming part of the Project is the loop-in loop-out (LILO) of one circuit of the Narendra (Existing) - Narendra (New) 400 Kv D/C quad line at Xeldem (NN Line). The NN Line passes through the States of Karnataka and Goa.

The Project connects the southern region (Sangod/Xeldem) with the Northern Goa region (Mapusa) through the NN Line.

By report No.6 of 2021, Central Empowered Committee has made certain observations and recommendations relating to the Goa Tamnar Transmission project for laying of electric lines under the transmission scheme. CEC was of the opinion that the project proposed by the GTTP would be detrimental to the fragile ecosystem of the Western Ghats.

CEC has examined the permission granted by the Standing Committee of National Board for wildlife granting approval for the Project. CEC was of the view that instead of clearing canopy of virgin forest cover along 10.50 km long corridor with 46 m ROW in

Goa State, the proposed 400 Kv line should be drawn along the existing 220 Kv corridor line in Goa State after establishing 400 Kv corridor connectivity between Mapusa and Sangod and 220 Kv line between Sangod and Xeldem. According to CEC, this course of action would ensure adequate supply of power to southern Goa region 100 MW of power now being received from ramagundam through 220 Kv line is temporarily disrupted during the construction phase of 400 Kv line between Narendra and Sangod.

CEC further recommended that the project proposal in respect of Karnataka part should also be suitably amended so as to make use of 110/220 Kv line corridor which will ensure that the commitment given by Power Grid and CEA to the Karnataka Government that no further transmission line shall be laid in the area is not violated. The modification that has been proposed by the CEC would be in the interest of forest and wildlife in the ecologically fragile and biodiversity in these parts. Finally, CEC recommended that direction should be given to the Ministry of Power, Government of India, Goa State Electricity Department and GTTPL to redraw and modify the alignment of additional 400 Kv line corridor between Narendra (existing) – Sangad (new) in the State of Goa and Karnataka in the light of the observations and recommendations made in Report 6 of 2021.

I.A.Nos.9110 of 2022 and 9113 of 2022:

These Interlocutory applications have been filed by GTTPL seeking appropriate orders regarding the recommendations made CEC in Report No. 6 of 2021 by requiring realignment of the loop-in loop-out (LILO) of one circuit of the Narendra (Existing) - Narendra (New) 400 Kv D/c quad line at Xeldem (NN Line) including whether they are binding and must be implemented by the Applicant.

In the alternative, GTTPL also said that the original route envisaged for the loop-in loop-out (LILO) of one circuit of the Narendra (Existing) - Narendra (New) 400 Kv D/c quad line at Xeldem (NN Line) without any realignment as recommended in the Central Empowered Committee's Report No.6 of 2021 dated 23.04.2021.

Mr.C.U.Singh, learned senior counsel appearing for the GTTPL submitted that there would be no objection for compliance of the recommendations made by CEC in its report No.6 of 2021.

Mr.Prashant Bhushan, learned counsel appearing for the Goa Foundation also submitted that there can be no objection for the implementation of the recommendations made by the CEC in respect of realignment of the transmission line.

After examining the report No.6 and hearing the learned counsel for the parties, we approve the recommendations made by CEC in Report No.6 and direct suitable steps to be taken in accordance with the recommendations made therein. Consequent to the acceptance of the report submitted by CEC, the recommendation made by National Board for wildlife dated 07.04.2020 is set aside.

Ms. Srishti Agnihotri, learned counsel appearing for the Goa Foundation vehemently submitted that hearing of this matter should not have a bearing on the contempt petition filed by Goa Foundation in respect of felling of trees by GTTPL for constructing a sub station. It is made clear that the said contempt petition and the applications filed by GTTPL shall be decided on their own merits.

I.As and Pending application(s), if any, shall stand disposed of accordingly.

IA NO. 107884/2021 and IA NOS. 30853 AND 30858/2022.

List on 21.04.2022 at 3.00 p.m. as part-heard.

Additional documents, if any, be filed in the meanwhile.

CONMT.PET.(C) No. 938/2021 in C.A. Nos. 12234-12235/2018
C.A. No. 12234-12235/2018:

Adjourned.

(B. Parvathi)
Court Master

(Anand Prakash)
Court Master

GOVERNMENT OF GOA
ELECTRICITY DEPARTMENT
OFFICE OF THE CHIEF ELECTRICAL ENGINEER
3RD FLOOR, VIDYUT BHAVAN, PANAJI-GOA

Head Office, 3rd Floor, VidyutBhavan, Tiswadi, GOA 403001 Tel:2234155,2224680/EBAPX:2426421,2422353,2426022|| Fax:2426986, 2222354|||: Email::cee-elec.goa@nic.in: website:: http://www.goaelectricity.gov.in/http://59.90.104.90

No. CEE/EHV-TAMNAR/2022-23/ 182 Dated: 16/ 05 /2022

To,

The Chief Engineer (SP & PA)

Central Electricity Authority

RK Puram, New Delhi-110066

Subject: Proposal for construction of 400kV Xeldem-Narendra line of GTTPL and 220kV Ambewadi-Ponda line of GED on Multi-circuit towers by utilizing ROW of existing 220kV Ambewadi-Ponda line defunct 110kV.

Ref: - 1: Minutes of Meeting held on 09.03.2022 to discuss the impediment to start construction activities of Narendra (Existing)-Narendra (New) 400 kV D/C quad line at Xeldem.

2: Order of Hon'ble Supreme Court dated 07.04.22.

Sir,

Referring to the Hon'ble Supreme Court's order dated: 07-April-2022 regarding 400kV Xeldem-Narendra transmission line wherein Court has directed GTTPL that '400kV line should be drawn along the existing 220kV corridor line in Goa state after establishing 400kV connectivity between Mapusa and Sangod and 220kV line between Sangod and Xeldem'. In lieu of the same and as per the directions received from Hon'ble Supreme Court vide order stated above, GED has to give away both 220kV & 110kV lines Right of Way (ROW) for construction of 400kV Xeldem-Narendra transmission line.

Presently the State is drawing 100 MW of Power from the 220 KV Ambewadi Xeldem line (Southern Region) and 600 MW from the Western Region. The Available Transmission Capacity is currently 600 MW on the Western Region. The State shall not be able to cater to the existing and the future load if we give away the corridor and dismantle the existing 220 KV Ambewadi Ponda Line for constructing the 400kV line on the same corridor. The State has a restriction on the available transmission capacity (ATC) and during breakdown of any of the 220 KV or 400 KV line the ATC may further reduces to approx 350-400 MW.

The 220kV Ambewadi - Ponda line must be in operational condition, and it can be achieved only by constructing a multi-circuit line with GTTPL's 400kV line so that the increasing Power requirement as well as the reliability and N-1 contingency can be achieved.

In order to keep the existing 220 KV line a portion of 8 kms of 220 KV Ambewadi - Ponda line has to be built as a multi-circuit with GTTPL's 400kV line which is passing through Bhagwan Mahavir Wildlife Sanctuary and Mollem National Park. This arrangement will also enable GED to draw required power from Southern Region (SR) through 220kV Ambewadi-Ponda line as a backup source even after completion of GTTPL project. The multi-circuit 400 KV line with the 220kV line will further strengthen state's power infrastructure by providing additional Available Transmission Capacity (ATC) of approximately 100 MW.

The dismantling of the existing 220 KV line and building of 400 KV line as a multi circuit will be permitted with a condition that the multi circuit (400 KV & 220 KV) to be completed within 4 months of dismantling the existing 220 KV line.

Considering the above facts and as per the order issued by Hon'ble Supreme Court of India, the approval of the Government was sought for the construction of multi-circuit towers in approximate 7km of Goa portion of 400kV Narendra-Xeldem line so that our present 220 KV line remains operational and the same has been approved by the Government of Goa.

In view of the same, you are requested to consider the interest of the State and permit construction of multi-circuit towers for 8 kms in the scope of M/s Goa-Tamnar Transmission Projects Ltd so that the flow of Power to the State is maintained.

(Stephen Fernandes)
Chief Electrical Engineer

Copy:

- Member – Power System, Central Electricity Authority, New Delhi-110066.
- Chief Engineer – PSPM, Central Electricity Authority, New Delhi-110066.
- The Project Manager, M/s Goa Tamnar Transmission Project Limited, A2/2, New Horizons D.B Marg, Miramar, Panjim 403001

Minutes of the meeting held between KPTCL and representative of M/s Sterlite Power on 13.06.2022 at KPTCL Zonal Office Bagalkot.

The 400 KV feed to GOA state and additional system for power evacuation from generation project pooled at RAIGARH (Tamnar) pool was awarded to the SPV, Goa Tamnar Transmission Project Limited (GTTPL) on 30.11.2017 by PFC consulting Limited.

It was stated by the representative of M/s Sterlite Power that the project traverses across 3-states, GOA, KARNATAKA and CHHATTISGARH. The project is under construction and delayed due to delay in Forest and wild life clearance.

GTTPL's 400 KV D/C Xeldem – Narendra LILO transmission line will further establish inter-state connectivity also enabling evacuation of power from upcoming Koppal REZ to WR grid. This will help Karnataka to export excess RE power in future.

As such they requested to allow GTTPL to use of Karnataka portion of 220 KV Ambewadi-Ponda line & 110 KV Supa-Ponda corridor for construction of 400 KV Xeldem-Narendra line.

The existing 110 KV Supa-Goa DC Line from point X to Z on the map (KPTCL Karnataka Jurisdiction) is IDLE. The Chief Electrical Engineer, Government of Goa, Electricity Development Panaji GOA vide letter No.CEE/Tech/EHV(Tamnar)/ 1409 Dt:20.11.2018 has stated that, Goa State does not have any plan to restore the said 110 KV Supa-Goa line in its jurisdiction and the said line is not in use. Location No.123 is the tapping point of 110 KV S/S Anmod. Hence the existing 110 KV Supa-Goa D/C line from Anmod (Point X) upto Goa border (Point Z) in the diagram enclosed may be shared to GTTPL for construction of their 400 KV Transmission Line. Presently the work of reconstruction of 110 KV Supa-Goa D/C line has been awarded to M/s Vijayalaxmi Enterprises,Bengaluru and the work is under progress. In view of the above modification the execution of the work from point X to Z needs to be short closed. If approved necessary directions will be issued to short close the construction works between Anmod tap point to Karnataka-Goa border duly making required arrangements for termination of 110KV DC line at Anamod substation.

Further the 110 kV line corridor from point Y upto Karnataka Goa border point Z could be spared to GTTPL for construction of their proposed 400/220 KV MCMV line duly utilizing the corridor of 110 KV D/C Supa Goa line from point Y to Z and 220 kV D/C Ambewadi Xeldem line.

As stated by the Chief Electrical Engineer Government of Goa, Electricity Development Panaji GOA vide letter No CEE/Tech/EHV/Tamnar/1409 Dt:20.11.2018, the 110 kV corridor after Karnataka Goa border may be utilized for construction of 400/220 kV MCMV line as per the proposal of GTTPL in order to minimize use of forest land.

For GTTPL

1) Devanand Singh
Project Manager

2) Nitin Agrowal
Chief Manager

For KPTCL

1) S.V. Manjunatha
CEE, TZ, KPTCL,Bagalkot

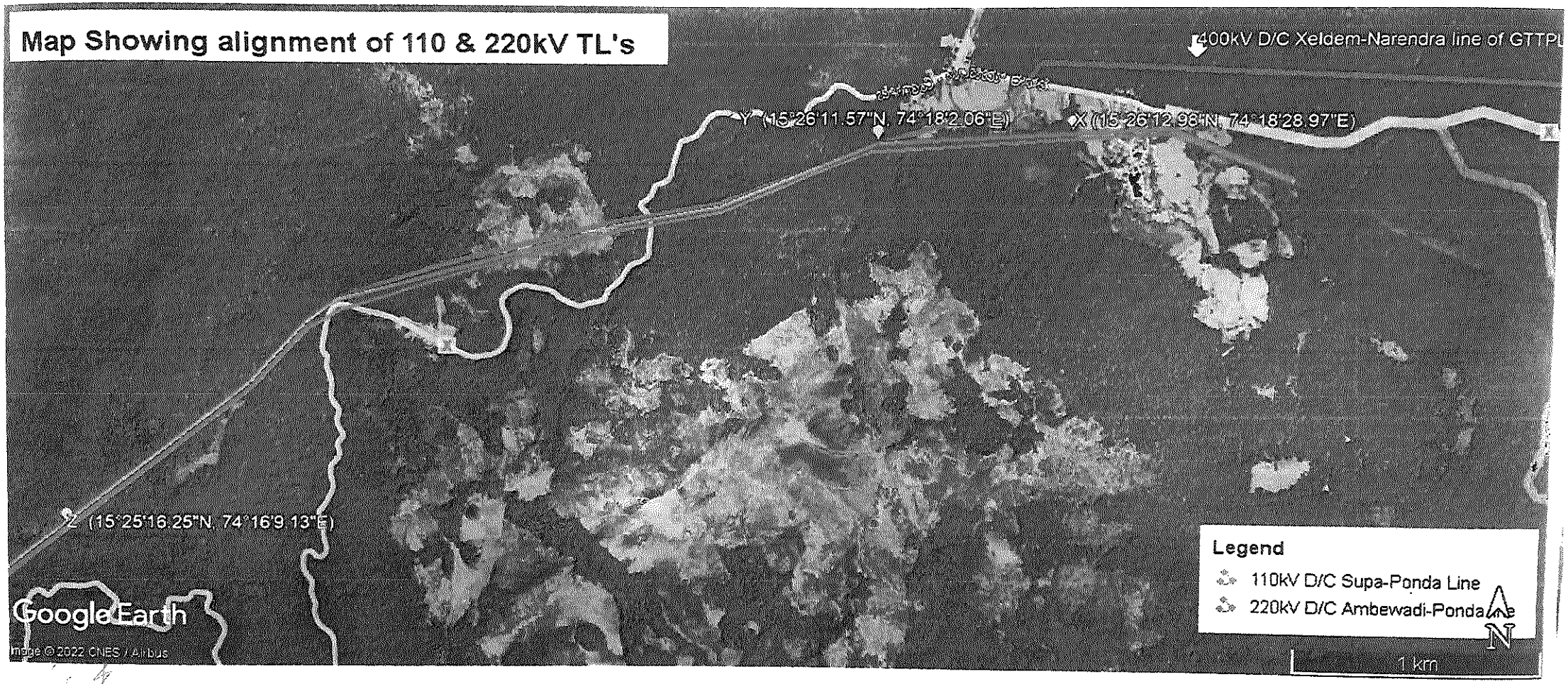
2) Bhimanna S. Hebbal
SEE(O), TZ, KPTCL,Bagalkot

3) Veereshkumar Hebbal
SEEI, Tr(W&M)Circle, KPTCL,Hubballi

4) Harishkumar H.
EE (EI), M.W.Dvn, KPTCL, U.K.Dist.

5) Harish R Nayak
EE (EI), TL&SS Dvn, KPTCL,Sirsi

6) Chandrashekar S. Hosamani
AEE(EI), TLM Sub-Dvn,KPTCL, Sirsi



Chief Engineer (Electy)
K.P.T.C.L. Transmission Zone,
BAGALKOT

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

(Corporate Identity Number (CIN) : U40109KA1999SGC025521)

Registered office of the Company : Corporate Office, KPTCL, Kaveri Bhavan, K.G.Road, Bengaluru-560009

ಕಚೇರಿ ದೂರವಾಣಿ ಸಂಖ್ಯೆ : 08354-235296
ಫ್ಯಾಕ್ಸ್ ನಂ. : 08354-235690
Website : www.kptcl.com
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: mwzkptclbgkt@gmail.com

ಮುಖ್ಯ ಇಂಜಿನೀಯರರು(ವಿದ್ಯುತ್),
ಪ್ರಸರಣ ವಲಯ ಕಛೇರಿ, ಕೆಪಿಟಿಸಿಎಲ್,
ವಲಯ ಕಛೇರಿಗಳ ಸಂಕೀರ್ಣ,
ಸೆ.ನಂ.45 ಎದುರುಗಡೆ, 110/11 ಕೆವ್ಹಿ ವಿದ್ಯುತ್
ಕೇಂದ್ರದ ಆವರಣ, ನವನಗರ,
ಬಾಗಲಕೋಟೆ-587103.

No:724/BGKT/CEE/TZ/SEE(O)/AEE-6/ 4756-60

Dated : 13 JUN 2022

Encl: One

TO:
The Chief Engineer,Electy.,
Planning & Co-ordination, KPTCL.,
4th Floor, Kaveri Bhavan,
BENGALURU-560 009.

Sir,

Sub:- Construction of LILO of one circuit of Narendra (existing)-Narendra (new) 400 KV DC line–regarding Hon'ble Supreme Court Order on CEC Recondition for construction of 400 KV Xeldem-Narendra line –Reg.

Ref:- 1. Letter No.GTTL/NX/KPTCL/22-23 dtd: 06.05.2022 of Goa-Tamnar Transmission Project Ltd.

2. Your Ltr No. CEE(P&C)/SEE(Plg)/EEE(Plg-3)/KCO-90/22-23/2665-66 dated 24-05-2022.

*****

With reference to the above, this office has been instructed vide your office letter under reference (2), to furnish a report in connection with the request made by Goa-Tamnar Transmission Project Ltd., wherein it is requested by the agency to provide necessary directions to concerned officials to allow GTTPL to use of Karnataka portion of 220 KV Ambewadi-Ponda line and 110 KV Supa-Ponda line for construction of 400 KV Xeldem-Narendra line.

In this connection, a report has been furnished by the Superintending Engineer (Elecl), Transmission (W&M) Circle, KPTCL, Hubballi as follows :

1. The existing 110 KV Supa-Goa DC line from Location No.124-139 (KPTCL Jurisdiction) is idle and The Goa Electricity Department vide letter No.CEE/TRNS/EHV(Tamnar)/1409 dtd: 20-11-2018 has stated that, it does not have plan to restore the said 110 KV Supa-Goa line in its jurisdiction and the said line is not in use. Location No.123 is the tapping point of 110 KV S/s Anmod (Point X). Hence the existing 110 KV Supa-Goa DC line from Location No.124-139 (KPTCL Jurisdiction)(Point X to Point Z) can be used for construction of 400 KV Xeldem-Narendra line.

2. On the existing 220 KV Ambewadi-Ponda DC line (Line-1 LILO to Xeldem), Goa State is drawing 100 MW of power (from Southern Region) and hence the existing corridor of 220 KV Ambewadi-Ponda line for construction of 400 KV Xeldem-Narendra line may be used duly considering the back up source and flow of power to Goa State.

In this connection, I wish to inform you that KPTCL has taken up re-construction of existing 110 KV DC Supa-Ponda line on TTK basis and the line work is nearing completion. In view of the request made by GTTPL to utilize the idle 110 KV line corridor beyond 110 KV Anmod S/s towards Goa, the following changes in the scope of the works are to be incorporated. The re-construction of 110 KV DC Supa-Ponda line has to be executed upto 110 KV KPTCL S/s at Anmod (Point X). The 110 KV DC idle line from Anmod S/s upto Karnataka border for an approximate the length of 4 Kms needs to be short closed since the line corridor is to be spared to GTTPL and 110 KV line from Anmod towards Goa is not required.

In view of the letter issued by the Chief Electrical Engineer,Electricity Department, Government of Goa vide letter No. CEE/Tech/EHV(Tamnar)/1409 dated 20-11-2018, wherein the State of Goa does not require 110 KV DC line in its jurisdiction and the line is proposed for dismantling, the following proposals are made :

1. To terminate the propose 110 KV DC Supa-Ponda line (under construction) at Anmod 110 KV S/s with suitable modifications (Point X).
2. To dismantle the existing idle 110 KV Supa-Ponda DC line from Anmod S/s (Point X) to Karnataka border (Point Z) for a distance of 4 Kms and to short close the already awarded work between Point X to Point Z.
3. To allow utilization of 110 KV corridor and 220 KV Ambewadi-Ponda line corridor from Point Y to Z in Karnataka jurisdiction for construction of proposed 400/220 KV MCMV line by GTTPL.

Your attention is drawn to the proceedings of the meeting held on 7th December 2018 at CEA (Subject No.I/3129/2018, wherein KPTCL representative had expressed to utilize 110 KV corridor for future use of KPTCL. However, as per the present loading conditions in and around Anmod, no future load growth is envisaged and the existing S/s at Anmod with an installed capacity of 1 x 5 MVA and Peak Load of less than 1 MW is sufficient to cater to the future load growth.

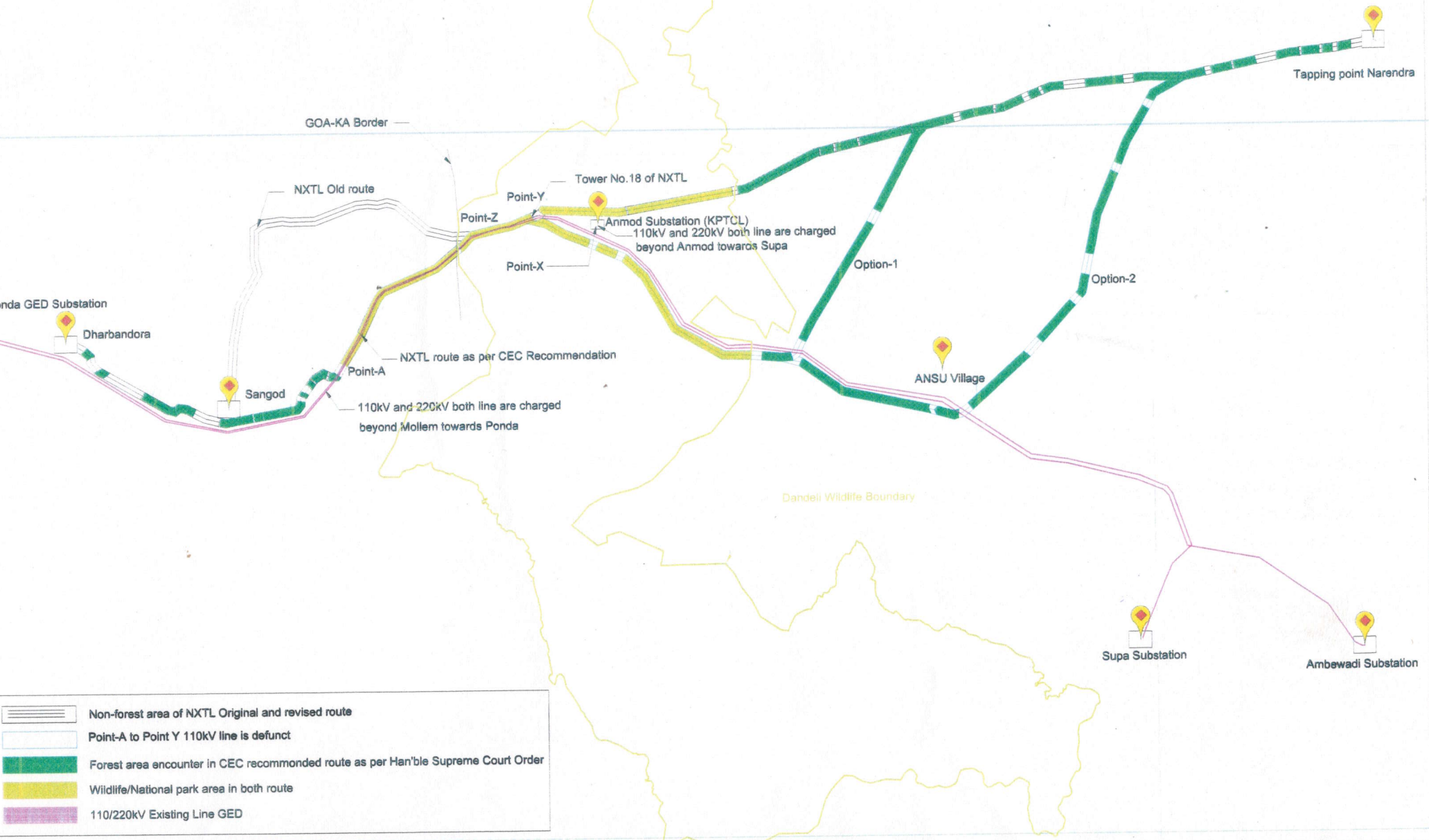
The above points have been brought to your notice for consideration and suitable directions in this matter.

The Google Map print out on the proposal is enclosed for your ready reference.

Yours faithfully,

13/04/22

Chief Engineer,Electy.,
Tr.Zone,KPTCL,Bagalkot

Copy to the Superintending Engineer (Elecl), Tr.(W&M) Circle, KPTCL, Hubballi.
Copy to the Executive Engineer (Elecl), M.W.Division, KPTCL, U.K.District.
Copy to the Executive Engineer (Elecl), TL&SS Division, KPTCL, Sirsi.
Copy to M/s Goa-Tamnar Transmission Project Ltd.
Master File/Office Copy

Symmetric diagram showing Original and Revised route of 400kV D/C NXTL line