



Azadi Ka
Amrit Mahotsav

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत संचार विकास प्रभाग
Power Communication Development Division

CEA Case No. : TN-696 : / 140-142
PTCC proposal of 230 kV Overhead D/C transmission line on D/C towers with AL-59 Moose Conductor from the proposed M/s JSW Renew Energy Ltd. 230/33 kV Blended Power Project (Wind:400 MW + Solar:100 MW) PSS-A situated at Salavapperi to existing PGCIL 400/230 kV Tuticorin-II GIS situated at Vadakku Vandhanam of Tuticorin district:19.505 km

Reference:		
S. No.	Reference No.	Dated
(i)	JSW Renew Energy Ltd.: JSWRL/TUT/PTCC-01	09.08.2021
(ii)	BSNL: SR-PTCC/STN-1723/12	14.12.2021
(iii)	Southern Railway: 188716 W.384/3/2/1218	19.11.2021
(iv)	Defense: B/46937/Sigs 7(b)/2578	23.11.2021

The PTCC proposal submitted vide reference (i) has been examined. The low frequency induction on telecom cables of BSNL and Block & Telecom circuits of Southern Railway with respect to details furnished vide above references (ii) and (iii) respectively has been computed. The voltages likely to be induced on paralleling telecom cables of BSNL and Block & Telecom circuits of Southern Railway under Single Line to Ground fault condition are enclosed at Annexure-I and Annexure-II respectively. The screening factors, as applicable, have been considered. Vide above reference (iv), Defence Authority have issued No Objection Certificate (NOC) (a copy enclosed as Annexure-III).

Taking above into consideration, necessary action for issuance of PTCC route approval may be taken.

Encl.: As above.

राष्ट्रीय प्रमुख निदेश
7.2.22
Director

To,

1.	Divisional Engineer (PTCC), Southern Zone	BSNL, Inspection Circle, 1st Floor, Raj Bavan Exchange No. 26, Sardar Patel Road, Guindy, Chennai-600032.	Annexure-I & Annexure-III
2.	ASTE/Tele/HQ	Southern Railway; Head Quarters Office, S&T Branch, Chennai-600003.	Annexure-II
3.	M/s JSW Renew Energy Ltd.	JSW Centre, Bandra Kurla Complex, Bandra (East), Mumbai-400051.	Copy for information

MIC



सत्यमेव जयते

75
आजादी का
अमृत महोत्सव

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत संचार विकास प्रभाग
Power Communication Development Division

के.वि.प्रा. केस सं. : TN-696:

पी.टी.सी.सी. प्रस्ताव 230 kV Overhead D/C transmission line on D/C towers with AL-59 Moose Conductor from the proposed M/s JSW Renew Energy Ltd. 230/33 kV Blended Power Project (Wind:400 MW + Solar:100 MW) PSS-A situated at Salavapperi to existing PGCIL 400/230 kV Tuticorin-II GIS situated at Vadakku Vandhanam of Tuticorin district:19.505 km

क्रमांक	सन्दर्भ सं.	दिनांक
(i)	JSW Renew Energy Ltd.: JSWRL/TUT/PTCC-01	09.08.2021
(ii)	BSNL: SR-PTCC/STN-1723/12	14.12.2021
(iii)	Southern Railway: 188716 W.384/3/2/1218	19.11.2021
(iv)	Defense: B/46937/Sigs 7(b)/2578	23.11.2021

संदर्भ (i) द्वारा प्रस्तुत पीटीसीसी प्रस्ताव की जांच की गई है। उपर्युक्त संदर्भों (ii) और (iii) में दिए गए विवरणों के संबंध में बीएसएनएल के दूरसंचार केबलों और दक्षिणी रेलवे के ब्लॉक और दूरसंचार सर्किटों पर क्रमशः कम आवृत्ति प्रेरण की गणना की गई है। सिंगल लाइन टू ब्रांडेड फॉल्ट की स्थिति के तहत बीएसएनएल और दक्षिणी रेलवे के ब्लॉक और टेलीकॉम सर्किट के समानांतर दूरसंचार केबलों पर प्रेरित होने की संभावना वाले वोल्टेज क्रमशः अनुलग्नक- I और अनुलग्नक- II में संलग्न हैं। स्क्रीनिंग कारकों पर विचार कर लिया गया है। उपरोक्त संदर्भ (iv) द्वारा रक्षा प्राधिकरण ने अनापत्ति प्रमाण पत्र (एनओसी) जारी किया है। (एक प्रति अनुलग्नक-II के रूप में संलग्न है)

उपरोक्त को ध्यान में रखते हुए, पीटीसीसी मार्ग अनुमोदन जारी करने के लिए आवश्यक कार्रवाई की जाए।

संलग्न: ऊपरोक्त अनुसार

शांति कान्त प्रताप सिंह
7.2.22
निदेशक

To,

1.	Divisional Engineer (PTCC), Southern Zone	BSNL, Inspection Circle, 1st Floor, Raj Bavan Exchange No. 26, Sardar Patel Road, Guindy, Chennai-600032.	अनुलग्नक-I & अनुलग्नक-III
2.	ASTE/Tele/HQ	Southern Railway; Head Quarters Office, S&T Branch, Chennai-600003.	अनुलग्नक-II
3.	M/s JSW Renew Energy Ltd.	JSW Centre, Bandra Kurla Complex, Bandra (East), Mumbai-400051.	जानकारी हेतु

CEA: TN-696

(Annexure-I)

Case No. TN 1723		SSA: TUTICORIN			
Name of the power line: PTCC Proposal for Proposed 230 KV OH D/C Line on D/C Towers with AL-59 Moose Conductor from the Proposed M/s. JSW Renew Energy Limited's 230/33 KV Blended Power Project (Wind: 400 MW + Solar 100 MW) PSS-A, situated at Salavapperi to the Existing PGCIL 400/230 KV Tuticorin-II, situated at Vadakku Vandhanam of Tuticorin District.					
Length	19.505 Kms				
Average SR value : 26895.273 Ohm Cms			Type of BSNL cable: PIJF		
Sl.No.	Name of Telecom line	LOP in KMs	MC in Ohms	FC in Amps	IV in Volts
SL NO.	NAME OF THE EXCHANGE				
I PSV	PASUVANTHANAI TELEPHONE EXCHANGE				
1	Exge to P00 to DP001A				
2	Exge to P00 to DP0002				
3	Exge to P00 to DP0003				
4	Exge to P00 to DP0005				
5	Exge to P00 to DP0009				
6	Exge to P00 to DP0080				
7	Exge to P00 to DP0056				
8	Exge to P00 to DP0037				
9	Exge to P00 to DP0013				
10	Exge to P00 to DP0013B				
11	Exge to P00 to DP0014				
12	Exge to P00 to DP0015				
13	Exge to P00 to DP0017				
14	Exge to P00 to DP0032				
15	Exge to P00 to DP0033				
16	Exge to P00 to DP0034				
17	Exge to P00 to DP0035				
18	Exge to P00 to DP0036				
19	Exge to P00 to DP0038				
20	Exge to P00 to DP0038B				
21	Exge to P00 to DP0040				
22	Exge to P00 to DP0074				
II KDM	KADAMBUR TELEPHONE EXCHANGE				
1	Exge to P00 to DP0001				
2	Exge to P00 to DP0003				
3	Exge to P40 to DP4005				
4	Exge to P40 to DP4007				
5	Exge to P40 to DP4009				
6	Exge to P40 to DP4010				
7	Exge to P40 to DP4008				
8	Exge to P40 to DP4012				
9	Exge to P40 to DP4019				
10	Exge to P40 to DP4039				
11	Exge to P40 to DP4040				
12	Exge to P41 to DP4112				

सहायक निदेशक-II/Assst. Director-II
केन्द्रीय विद्युत प्राधिकरण/C.E.A.

13	Exge to P41 to DP4127				
14	Exge to P42 to DP4209				
15	Exge to P42 to DP4216				
16	Exge to P42 to DP4218				
III CKI	CHETTIKURICHI TELEPHONE EXCHANGE				
1	Exge to P00 to DP0001				
2	Exge to P00 to DP0010				
3	Exge to P00 to DP0035				
4	Exge to P00 to DP0036				
5	Exge to P00 to DP0040				
6	Exge to P00 to DP0042				
7	Exge to P51 to DP5103				
8	Exge to P52 to DP5201				
9	Exge to P52 to DP5203				
10	Exge to P00 to DP0003				
IV DUR	DURAIYUR TELEPHONE EXCHANGE				
1	Exge to P00 to DP0001				
2	Exge to P00 to DP0002				
3	Exge to P00 to DP0003				
4	Exge to P00 to DP0006				
5	Exge to P00 to DP0007				
6	Exge to P00 to DP0008				
7	Exge to P00 to DP0009				
8	Exge to P00 to DP0010				
9	Exge to P00 to DP010A				
10	Exge to P00 to DP0023				
11	Exge to P00 to DP0024				
12	Exge to P00 to DP0025				
13	Exge to P00 to DP0038				
14	Exge to P21 to DP2103				
15	Exge to P21 to DP2104				
16	Exge to P21 to DP2105				
17	Exge to P21 to DP2106				
18	Exge to P21 to DP2107				
19	Exge to P21 to DP2108				
20	Exge to P21 to DP2118				
21	Exge to P21 to DP2119				
22	Exge to P21 to DP2120				
23	Exge to P21 to DP2154				
24	Exge to P21 to DP2115				
V KYR	KAYATHAR TELEPHONE EXCHANGE				
1	Exge to P25 to DP2503				
2	Exge to P25 to DP2506				
3	Exge to P22 to DP2208				
4	Exge to P00 to DP0012				
5	Exge to P25 to DP2522				
6	Exge to P25 to DP2549				
7	Exge to P00 to DP0023				
8	Exge to P25 to DP2539				

IV less than 430V

TARUN
Asstt. Director-II

9	Exge to P24 to DP2403				
10	Exge to P22 to DP2247				
11	Exge to P22 to DP2219	IV less than 430V			
12	Exge to P22 to DP2233				
13	Exge to P25 to DP2514				
14	Exge to P25 to DP2533				

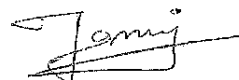
[Handwritten Signature]

तनुज/TANUJ
 सहायक निदेशक-II/Asstt. Director-II
 केन्द्रीय विद्युत प्राधिकरण/C.E.A.
 विद्युत मंत्रालय/Ministry of Power
 भारत सरकार/Govt. of India
 नई दिल्ली/New Delhi-66

ANNEXURE - II

CEA Case No.: TN-696 Name of the Power Line: 230 kV Overhead D/C transmission line on D/C towers with AL-59 Moose Conductor from the proposed M/s JSW Renew Energy Ltd. 230/33 kV Blended Power Project (Wind:400 MW + Solar:100 MW) PSS-A situated at Salavapperi to existing PGCIL 400/230 kV Tuticorin-II GIS situated at Vadakku Vandhanam of Tuticorin district.			Map Scale : 1 cm = 500 m. Route Length : 19.505 km Soil Resistivity : 20,000 ohm-cm		
S.No.	Telecom Details	Length of Parallelism (in km)	Mutual Coupling (Ohms)	Fault Current (Amps)	Induced Voltage (Volts)

Southern Railway: 188716 W.384/3/2/1218			Dated : 19.11.2021		
Affected Blocks & Telecom Circuits Details					
1	Kadampur to Kumarapuram	5.4	0.0041	6154	25


 तनुज / TANUJ
 सहायक निदेशक-II/Asstt. Director-II
 केन्द्रीय विद्युत प्राधिकरण / C.E.A.
 विद्युत मंत्रालय / Ministry of Power
 भारत सरकार / Govt. of India
 नई दिल्ली / New Delhi-60

Tele : 23019746

TN-696

(Annexure - III)

Directorate General of Signals
Signals - 7
General Staff Branch
Integrated HQ of MoD, (Army)
DHQ PO, New Delhi - 110011

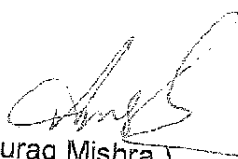
B/46937/Sigs 7(b)/2578

3 Nov 2021

JSW Renew Energy Limited
JSW Centre, Bandra Kurla Complex
Bandra (East), Mumbai-400051

**PTCC PROPOSAL FOR PROPOSED CONSTRUCTION OF 230KV OH D/C LINE
ON D/C TOWERS WITH AL-59 MOOSE CONDUCTOR FROM THE PROPOSED
M/S JSW RENEW ENERGY LIMITED 230/33KV BLENDED POWER PROJECT
PSS-A, SITUATED AT SALAVAPPERI TO EXISTING PGCIL 400/230KV
TUTICORIN-II GIS, SITUATED AT VADAKKU VANDHANAM OF TUTICORIN
DISTRICT**

1. Refer your letter No JSWRL/TUT/PTCC-01 dt 09 Aug 2021¹(copy att).
2. No Objection Certificate (NOC) is accorded based on inputs provided vide Map sheets received ^{vide} under your above mentioned letter.
3. Documents alongwith map sheets (in original) are returned herewith for your further necessary action.


(Anurag Mishra)
Lt Col
GSO 1 (Comn)
for SO-in-C

Enclosures : (As above)

Copy to :-

The Director (PTCC), CEA
Power Communication Development Division
NRPC Complex, 18-A Shaheed Jeet Singh Marg
Katwaria Sarai, New Delhi - 110016

The DET(PTCC), Northern Zone
O/o PGM (North), QA & Inspection Circle,
D-Tax Building, Eastern Court, Janpath
New Delhi-110001

- for information