



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

Case No.: MP-482
PTCC proposal of SBESS Services Projectco Two Private Limited – Indore (PGCIL) 220 kV S/C line having length of 71.2 km.

Reference:		
S. No.	Reference No.	Dated
(i)	M/s SBESS Services Projectco Two Pvt Ltd: SSPTPL/MP/PTCC/2020-21/001	06.01.2021
(ii)	BSNL: PTCC/WR/2020-21/MP-703	23.02.2021

The PTCC proposal submitted vide reference (i) has been examined. The low frequency induction on BSNL cables as per details furnished vide reference (ii) has been examined. Voltages likely to be induced on paralleling BSNL cables under single line to ground fault condition are enclosed at Annex-I. The screening factors as applicable have been considered.

The telecommunication details from Western Railway and Defense are pending and the power authority has shown urgency for the charging of the line. The low frequency induction on Block & Telecom circuits of Western Railway has been computed based on topographical map provided by the power utility. Voltages likely to be induced on paralleling Block & Telecom circuits of Western Railway under Single Line to Ground fault condition are enclosed at Annex-II. The screening factors, as applicable have been considered.

In view of this take necessary action regarding issuance of **Provisional PTCC approval for SBESS Services Projectco Two Private Limited – Indore (PGCIL) 220 kV S/C line.**

Encl.: As above.

Signature Not Verified
 Digitally signed by PRATAP SINGH
 PRATAP SINGH
 Date: 2021.06.15 12:34:37 IST

Director

To,

1.	Divisional Engineer (PTCC), Western Zone	Bharat Sanchar Nigam Limited (BSNL), 3 rd Floor, D-Wing, BSNL Admin Building, Juhu Tara Road, Santacruz (West), Mumbai-400054	Only Annex-I
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Contd...

MIC

2.	GM(S&T)	Office of CSTE, Western Railway, S&T Dept. , 5th Floor, Station Building, Churchgate, Mumbai - 400020	Only Annex-II. With a request to inform this office in case any telecom circuits other than Annex-II are present in the vicinity of the line
3..	M/s SBESS Services Projectco Two Pvt Ltd	1 st floor, Worldmark-2, Asset Area-8 Hospitality District, Aerocity, NH-8, Delhi - 110037	Copy for info

Case No: MP-482

Name of Line: SBFSS services Projectes Two Pvt Ltd - Indore (PGCIL) 220 KV Jc Line

Length: 71.2 km

soil Resistivity: 35000 Ω -cm

SSA: Dhari

Details of BSNL U/G Cables (Including Armored OFC/Excluding OFC)

S. No.	Name of Telecom Line/Cable	No. of Pair
①	Shakti Exchange (Ex)	100 pair
	Ex: 10A - 100P/01km	
②	Mohamednagar BTS	—
③	Kachibafala BTS	—
④	Multhani EX/BTS	300 pair
	Ex: 10A - 100P/01km	
	Ex: 10B - 200P/200P	

IV less than 430 V

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 विद्युत मंत्रालय / Ministry of Power
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 नई दिल्ली / New Delhi

SDA : Indore

No.		No. of Pair
1	Hanniya BTS:	0FC
2	Dajli Kaja Jiya TELE. EX. IS BTS	220 Pair
3	Ex. to A → 200P/5KM, Ex. to B → 200P/500mt.	200 Pair
4	Sanwer office TELE. EX. 3 BTS	1500 Pair
5	Ex. to A → 200P/600mt., Ex. to B → 600P/400mt.	0FC
6	Ex. to C → 500P/600mt., Ex. to D → 200P/100mt.	0FC
7	Sanwer-2 BTS	200 Pair
8	Takli Ex. 8. BTS	250 Pair
9	Ex. to A → 200P/200mt.	200 Pair
10	Ajmal TELE. EX. 3 BTS	0FC
11	Ex. to A → 50P/100mt.; Ex. to B → 150P/15KM	0FC
12	Kachhriya Ex. 6 BTS	400 Pair
13	Ex. to A → 200P/01KM	0FC
14	Pal Kachhriya BTS	0FC
15	Patali BTS	0FC
16	Chandrawati/Jani TELE. EX. 3 BTS	400 Pair
17	Ex. to A → 200P/02KM, Ex. to B → 200P/01KM	0FC
18	Banadiya Panch. BTS	0FC
19	Dhagwar BTS	0FC
20	Khal Khara BTS	0FC
21	Ravliya BTS	0FC
22	Chitoda/Bani BTS	0FC
23	Gajeta BTS	0FC
24	Pitawati BTS	0FC
25	Govindpur TELE. EX. 3 BTS	0FC
26	Ex. to A → 200P/01KM, Ex. to B → 200P/01KM, Ex. to C → 200P/500mt.	250 Pair
27	Ex. to D → 200P/500mt., Ex. to E → 50P/01km, Ex. to F → 100P/03km	0FC
28	Gautam Pura - 2 BTS	0FC
29	Gautam Pura - 1 BTS	0FC

IV less than 480V

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 भारत सरकार/Govt. of India
 नई दिल्ली/New Delhi

SSA: Ujjain

S. No.	Name of Telecom Line/ Cable	No. of Pair
①	Waxinga EX. & BTS, Ex. to A → 50P/01KM, Ex. to B → 50P/01KM Ex. to C → 50P/06KM	150 Pairs
②	Danpura BTS,	—
③	Pitiholar EX. & BTS Ex. to A → 50P/500mtr	50 Pairs
④	Jalodiya EX. Ex. to A → 50P/05KM, Ex. to B → 50P/4.5 KM	100 Pairs
⑤	Badnagar main EX. & BTS Ex. to A → 100P/02KM, Ex. to B → 400P/15KM Ex. to C → 400P/15KM, Ex. to D → 200P/05KM	2200 Pairs
⑥	Badnagar RSU EX. & BTS Ex. to A - 400P/1.5KM, Ex. to B - 200P/1.5KM	600 Pairs
⑦	Badnagar Vyas Colony BTS.	—
⑧	Badnagar Khatodpura BTS.	—
⑨	AVDA EX. & BTS. Ex. to A - 20P/04KM	20 Pairs
⑩	Makana EX. & BTS Ex. to A - 100P/01KM	100 Pairs
⑪	Khatod Khatod EX. & BTS Ex. to A - 50P/1.5KM, Ex. to B - 100P/01KM Ex. to C - 50P/05KM	200 Pairs
⑫	Patwad BTS	50 Pairs
⑬	Jasbheri EX. & BTS, Ex. to A - 50P/500mtr	50 Pairs
⑭	Salda Laha EX. & BTS Ex. to A - 100P/500mtr, Ex. to B - 100P/500mtr	200 Pairs
⑮	Rupia EX. & BTS Ex. to A → 200P/03KM, Ex. to B - 100P/15KM Ex. to C → 50P/15KM	SDE/DE 350 Pairs

IV less than 430V

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ANNEXURE - II

Case No.: MP-482 Name of the Power line: SBESS Services Projectco Two Private Limited – Indore (PGCIL) 220 kV S/C line			Total Length : 71.2 Km. S.R. Value : 35,000 Ohms-cm		
S.No.	Telecom. Details	Length of Parallelism in Km.	Mutual Coupling in Ohms.	Effective Fault current in Amps.	I.V in Volts.

WESTERN RAILWAY					
<u>Affected Blocks & Telecom Circuits Details</u> (based on topographical map provided by power utility)					
1	Runija RS – Sunderabad RS	2.1	0.0007	8900	6
2	Sunderabad RS – Barnagar RS	7.2	0.0120	7200	86
3	Barnagar RS – Pirjhalar RS	5.1	0.0086	6500	56
4	Pirjhalar RS – Osra RS	6.5	0.0153	6000	92
5	Osra RS – Fatehabad Chandrawatiganj RS	4.8	0.0029	6400	18
6	Osra RS – Lekora RS	4.7	0.0026	6400	17
7	Fatehabad Chandrawatiganj RS – Ajnod RS	7.4	0.0080	6500	52
8	Ajnoda RS – Balauda Takun RS	2.2	0.0009	7000	6
9	Binjana RS – Dakachya RS	Out of parallelism			0

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