

**Registered Post- Acknowledgement Due**

Ref: SR-II: RTI: F-288:2015/ 36948

21<sup>st</sup> January 2015.

To  
Shri Jose.M.O,  
Maliyekkal(H), Kanakamala(P.O),  
Thrissur – 680689.  
Kerala.


**Sub: Your RTI application dated 05.01.2015.**

Sir,

This has reference to your RTI application along with requisite fee received in this office on 16.01.2015. Point wise reply to your queries in the application is enclosed as **Annexure-A**

Thanking you,

Yours faithfully,

  
(Sunil.K.Thomas)  
DGM & CPIO

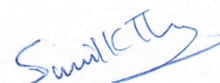
**Encl: Annexure-A**

Copy to: 1) ED/SRTS-II, Appellate Authority, POWERGRID, SRTS-II ---for kind information.



**ANNEXURE-A**

Sl No	Query	Reply
1	Kindly intimate the ground area occupied by the tower foundation in respect of each tower.	The area occupied by each tower foundation in a line depends on the type of tower. The area occupied at ground level in case of Kochi-Thrissur 400KV D/C line is as per the chart given in <b>Appendix-I</b> , enclosed.
2	Intimate the depth and breadth in which the tower pillar planted.	The depth and breadth in case of Kochi – Thrissur 400kV D/C line is as per the chart given in <b>Appendix-2</b> , enclosed.
3	Whether earth wires are drawn in every towers and if drawn kindly intimate the distance in which the earth wires are drawn	Earth wires for counter poise earthing are not drawn for every tower. If drawn, usually it is at 1.0 m depth with 30m length on each of the four legs, which may vary depending on ground resistance.
4	Inform the distance of the drawn lines from the ground level and also the breadth in which over head lines are drawn.	Distance will vary depending upon the geographical conditions, height of tower and distance from tower. However, the minimum clearance between ground and bottom conductor is maintained as per CEA (Measures relating to Safety and Electric supply) Regulations 2010, clause 58. The breadth of the area coming under line conductors also varies from 16m to 18m depending upon the tower used.
5	Whether permission will be granted for constructing building and houses under the line drawn area.	In case POWERGRID is approached for no objection certificate, the same is granted if clearances as per CEA (Measures relating to Safety and Electric supply) Regulations 2010, clause 61 are available and there are no other safety concerns. However, the permission is required to be granted by Electrical Inspector.
6	Is there any safety distance prescribed for constructing of building in drawn line.	CEA (Measures relating to Safety and Electric supply) Regulations 2010, clause 61 doesn't permit construction of new buildings under existing lines. However, safe clearances to be maintained while drawing a line over existing building are provided in the above said clause of the CEA Regulations.
7	Is there any scope for cultivation of seasonal crops and other crops like Jathikka (Nutmug), Coconut, Arecanut, Pepper, Mango Tree etc. under the line drawn by PGCIL.	Trees which may infringe into the safe electrical clearance are not allowed to be cultivated in the line corridor. Other cultivations like seasonal crops which will not infringe the safe electric clearance, are permissible.
8	Whether installation of TV antennas and including dish antenna is objectionable where electric line are drawn by PGCIL above the roof of house building.	CEA (Measures relating to Safety and Electric supply) Regulations 2010, clause 61 and 63 may be referred to. As long as safe electrical clearances mentioned in the regulation are maintained, POWERGRID will not have any objection in this regard.



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Ground area occupied by different type of towers in case of Kochi – Trichur 400kV D/C line.

Tower type	Base area in cents
DA	4.44
DA+3	5.12
DA+6	5.8
DA+9	6.53
DB	5.15
DB+3	5.96
DB+6	6.83
DB+9	7.76
DB+18	10.92
DB+25	13.74
DC	5.75
DC+3	6.66
DC+6	7.65
DC+9	8.7
DD	7.98
DD+3	9.44
DD+6	11.02
DD+9	12.72
DD+18	18.9
DD+25	24.25

Tower Pillar details in case of Kochi – Trichur 400kV D/C line

Tower Type	Loc. Classification	Depth of each leg (Total 4 legs) in meters	Breadth of each leg (Total 4 legs) at 3m depth in meters	Breadth of each leg (Total 4 legs) at ground level in meters
DA+0	DRY	3	2.82	0.45
	WET	3	3.75	0.45
	PS	3	4.15	0.45
	FS	3	4.60	0.45
	WBC	3	5.31	0.45
	DFR	3	2.69	0.45
	WFR	3	3.41	0.45
	SFR	3	4.17	0.45
DA+3/6/9	DRY	3	2.89	0.50
	WET	3	3.84	0.50
	PS	3	4.21	0.50
	FS	3	4.67	0.50
	WBC	3	5.37	0.50
	DFR	3	2.75	0.50
	WFR	3	3.47	0.50
	SFR	3	4.24	0.50
DA+0,3,6,9	HR	3	1.02	0.50
DB+0	DRY	3	4.93	0.95
	WET	3	6.09	0.95
	PS	3	6.69	0.95
	FS	3	7.27	0.95
	WBC	3	7.91	0.95
	DFR	3	4.82	0.95
	WFR	3	5.81	0.95
	SFR	3	6.83	0.95
DB+3/6/9	DRY	3	5.05	0.95
	WET	3	6.23	0.95
	PS	3	6.83	0.95
	FS	3	7.44	0.95
	WBC	3	8.06	0.95
	DFR	3	4.94	0.95
	WFR	3	5.95	0.95
	SFR	3	6.99	0.95
DB+0,3,6,9	HR	3	1.62	0.95



Tower Type	Loc. Classification	Depth of each leg (Total 4 legs) in meters	Breadth of each leg (Total 4 legs) at 3m depth in meters	Breadth of each leg (Total 4 legs) at ground level in meters
DC+0	DRY	3	5.67	0.95
	WET	3	6.90	0.95
	PS	3	7.54	0.95
	FS	3	8.19	0.95
	WBC	3	8.91	0.95
	DFR	3	5.55	0.95
	WFR	3	6.62	0.95
	SFR	3	7.76	0.95
DC+3/6/9	DRY	3	5.70	0.95
	WET	3	6.93	0.95
	PS	3	7.57	0.95
	FS	3	8.23	0.95
	WBC	3	9.18	0.95
	DFR	3	5.58	0.95
	WFR	3	6.66	0.95
	SFR	3	7.80	0.95
DD+0	DRY	3	6.18	0.60
	WET	3	7.50	0.60
	PS	3	8.14	0.60
	FS	3	8.83	0.60
	WBC	3	9.50	0.60
	DFR	3	6.06	0.60
	WFR	3	7.19	0.60
	SFR	3	8.40	0.60
DD+3/6/9	DRY	3	6.18	0.60
	WET	3	7.50	0.60
	PS	3	8.16	0.60
	FS	3	8.83	0.60
	WBC	3	9.52	0.60
	DFR	3	6.07	0.60
	WFR	3	7.20	0.60
	SFR	3	8.41	0.60
DD+0,3,6,9	HR	3	1.60	0.60

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