

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

DETAILED SURVEY REPORT

Name of Work: Conducting Detailed survey for construction of proposed 110kV LILO Line on DC Towers from Existing 110KV Ranebennur-Byadagi SC Line to proposed 110/11kV Hanumanamatti S/S in Ranebennur Taluk, Haveri District.

NIKETAN CONSULTANTS

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CORPORATION LIMITED**

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GPS Co - ORDINATES

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Client : Karnataka Power Transmission Corporation Limited

Surveyors : M/s Niketan Consultants, Bangalore. Job No.: KA3280

Sl. No.	AP No.	GPS COORDINATES (DATUM : WGS84)			
		UTM (Zone 43P)		DD° MM' SS"	
		Easting	Northing	Northing	Easting
1	Ext 'A' T.No.113	558445	1619774	14° 39' 2.9"	75° 32' 33.9"
2	Ext 'AP' T.No.114	558195	1619908	14° 39' 7.3"	75° 32' 25.6"
3	LILO Tower	558239	1619885	14° 39' 6.5"	75° 32' 27.1"
4	AP-1	558263	1619927	14° 39' 7.9"	75° 32' 27.9"
5	AP-2	558702	1620071	14° 39' 12.5"	75° 32' 42.5"
6	AP-3	559192	1620393	14° 39' 23"	75° 32' 59"
7	AP-4	559554	1621127	14° 39' 46.8"	75° 33' 11.1"
8	AP-5	559868	1621275	14° 39' 51.6"	75° 33' 21.6"
9	AP-6	559925	1621166	14° 39' 48.1"	75° 33' 23.5"
10	Hanumanamatti S/S	559952	1621179	14° 39' 48.5"	75° 33' 24.4"



For Niketan Consultants
Bangalore

LINE TOWER SCHEDULE

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T. No.	AP No.	Proposed	Angle of deviation	Span in mts	Cumulative chainage in Mts.	Weight span Hot Curve			Crossing Details/Remarks	Village limits
						L	R	T		
1	LILO Tower	DD+0	-		0	-	19	19	Survey Commenced from Existing 110KV Ranebennur-Byadagi SC Line on DC Towers in b/w DC A T.No.113 and AP T.No.114.	Asundi
2	AP-1	DD+0	42°54'1"R	48	48	29	76	105	-	"
3		DA+6	-	230	278	154	150	304	33KV line, LT line	"
4	AP-2	DC+3	15°9'1"L	232	510	82	163	245	-	"
5		DA+3	-	290	800	127	146	273	-	"
6	AP-3	DD+6	30°26'15"L	296	1096	150	164	314	-	"
7		DA+3	-	270	1366	106	134	240	-	Kajjeri
8		DA+3	-	270	1636	136	129	265	-	"
9	AP-4	DD+6	38°30'42"R	278	1914	149	72	221	Cart track, LT line	"
10		DA+6	-	170	2084	98	112	210	11KV line	"
11	AP-5	DD+3 9 Cross arm	87°37'47"R	177	2261	65	77	142	-	"
12	AP-6	DD+0 9 Cross arm	88°6'12"L	123	2384	46	-	46	Cart track, 11KV line	"

T. No.	AP No.	Proposed	Angle of deviation	Span in mts	Cumulative chainage in Mts.	weight span			Crossing Details/Remarks	Village limits
						Hot Curve				
						L	R	T		
				30						
	Bay- Hanumanamatti	Hanumanamatti Bay- ...	-		2414	-	-	-	Joining to the proposed 110/11kV Hanumanamatti S/S	-
Existing 110KV SC line on DC Towers from Ranibennur - Byadagi										
		Existing 110kV DA+0	-		0	-	105	105	Existing 110KV DC 'A' T.No.113 to be retained.towards Ranibennur S/S	-
				211						
*1	*LLO Tower	*DD+0	-		211	106	31	137	Proposed LLO Tower.towards Hanumanamatti S/S	-
		Existing 110kV DB+0	-	73	284	42	-	42	Existing 110KV DC 'AP' T.No.114 to be retained.towards Byadagi S/S	-

ABSTRACT OF TOWERS							
Name of Work: Conducting Detailed survey for construction of proposed 110kV LILO Line n DC Towers from Existing 110KV Ranebennur-Byadagi SC Line to proposed 110/11kV anumanamatti S/S in Ranebennur Taluk, Haveri District.							
Client : Karnataka Power Transmission Corporation Limited.							
Surveyors : M/s Niketan Consultants, Bangalore.						Job No.: KA3280	
Sl.No.	TYPE OF TOWERS	NORMAL	+3	+6	+9	+12	TOTAL
Proposed 110KV D/C Conventional Tower (M/s Kalpatharu AQUES type Design)							
1	DA	5	3	2	-	-	5
2	DC	1	1	-	-	-	1
3	DD	4	-	2	-	-	4
4	DD 9 Cross	2	1	-	-	-	2
Total =							12 Nos.

NOTE : 1) Minor deviation if any due to way leave problem that may arise during the execution of the work will be incorporated accordingly.



For Niketan Consultants
Bangalore

[Signature]

Assistant Engineer Ele.,
Major Works Sub-Division,
KPTCL, Haveri.

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Assistant Executive Engineer Ele.,
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Superintending Engineer Ele.,
Transmission (W & M) Circle,
KPTCL, Hubballi.

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For Niketan Consultants - Bangalore.