

**KALPATARU POWER TRANSMISSION LIMITED
POWERGRID CORPORATION OF INDIA LIMITED
765 KV D/C SIKAR-II TO ALIGARH (WIND ZONE - 4) TRANSMISSION LINE, part-1
DETAIL SURVEY TOWER SCHEDULE
SECTION: AP-27/0 TO AP-35/0 (4.687 K.M)**

Rev: R00 Date:

Sl. No	Twr No.	Tower Type	C.P. UP/DO WN	Deviation Angle (DMS)	Span (m)	Section Length (m)	Cum. Chainage (m)	Wind Span (m)		Adjacent Span		Weight Span (Cold)		Weight Span (Hot)		Major Crossings (With in ROW)	UTM Coordinates (Zone - 43)		Elevation	Geodetic Coordinates		Remarks	
								Left	Right	Left	Right	Left	Right	Left	Right		Easting	Northing		Longitude	Latitude		
1	AP-27/0	DB1+9	--	RT 6° 37' 8"	404		0	310	202	310	136	248	384	120	233	354	Cart Track, LT Line	559052.426	3042704.853	496.14	75° 35' 52.413"E	27° 30' 24.237"N	
2	27/1	DA+0	--		372	1156	404	388	202	388	156	186	343	172	187	358	11KV, Boring, Cart Track, LT Line	559455.779	3042717.882	496.167	75° 36' 7.116"E	27° 30' 24.597"N	Hotel dist to Panse line
3	27/2	DA+0	--		380		776	376	186	376	186	170	355	186	177	363	11KV, Well, Temple, Cart Track	559827.135	3042729.877	496.086	75° 36' 20.654"E	27° 30' 24.928"N	Panse line King
4	AP-28/0	DC1+3	--	LT 16° 11' 43"	419		1156	400	190	400	211	201	411	204	203	408		560207.047	3042742.149	496.784	75° 36' 34.503"E	27° 30' 25.266"N	
5	AP-29/0	DC1+3	--	RT 20° 57' 54"	363	419	1575	391	210	391	219	187	406	217	186	403	11KV, Boring	560605.567	3042871.986	498.752	75° 36' 49.051"E	27° 30' 29.422"N	
6	29/1	DA+0	--		385	1198	1938	374	182	374	177	190	367	178	191	370	Cart Track, LT Line, Road, Hauz	560967.88	3042853.508	500.772	75° 37' 2.253"E	27° 30' 28.763"N	
7	29/2	DA+0	--		450		2323	417	192	417	195	107	302	194	143	338	Temple, Cart Track, 11 KV, LT line	561352.085	3042833.914	501.175	75° 37' 16.253"E	27° 30' 28.064"N	
8	AP-30/0	DD60+25	--	LT 4° 17' 36"	227		2773	339	225	339	344	103	448	309	109	418	Temple	561801.021	3042811.018	501.572	75° 37' 32.612"E	27° 30' 27.246"N	
9	AP-31/0	DD60+25	--	RT 38° 20' 41"			3000	285	113	285	123	304	427	118	255	373	Cart Track, 765KV S/C JP-BWN Line, 11 KV, LT Line	562027.756	3042816.455	502.444	75° 37' 40.877"E	27° 30' 27.386"N	
10	AP-32/0	DD60+3	--	LT 8° 17' 55"	272	343	3343	308	172	308	41	136	177	90	136	227	LT Line, 11KV, Road	562302.018	3042610.002	504.227	75° 37' 50.835"E	27° 30' 20.631"N	
11	AP-33/0	DD60+3	--	LT 35° 52' 38"	299	299	3615	285	136	285	136	168	304	136	160	296	Electrified Railway Line, Cart Track, 25KV Line	562540.953	3042479.339	504.22	75° 37' 59.519"E	27° 30' 16.345"N	
12	AP-34/0	DB2+0	--	RT 13° 36' 21"	324		3914	311	149	311	131	166	297	139	165	305	11 KV, Hauz	562837.169	3042516.784	505.088	75° 38' 10.322"E	27° 30' 17.513"N	
13	34/1	DA+0	--				4238	387	162	387	158	103	261	159	141	301	Hauz, 11KV, LT Line, Temple, Cart Track	563159.097	3042480.667	504.047	75° 38' 22.048"E	27° 30' 16.285"N	

Tower No. - 29/02 to AP-34 is hold due to Panse Line and Railway King.

Landed
संविन प्रबंधक
पावसग्रिड, सिंकर

Satish Koya
Asst. General Manager
Kalpataru Power Transmission Limited

कंचन कुमर चौधरी
वरिष्ठ महाप्रबंधक
पावसग्रिड, अलवर


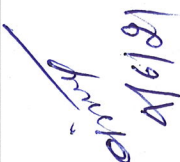
Landed
04/06/2021

KALPATARU POWER TRANSMISSION LIMITED
POWERGRID CORPORATION OF INDIA LIMITED
765 KV D/C SIKAR-II TO ALIGARH (WIND ZONE - 4) TRANSMISSION LINE, part-1
DETAIL SURVEY TOWER SCHEDULE
SECTION: AP-27/0 TO AP-35/0 (4.687 K.M)

Sl. No	Twr No.	Tower Type	C.P. UP/DO WN	Deviation Angle (DMS)	Span (m)	Section Length (m)	Cum. Chainage (m)	Wind Span (m)		Adjacent Span		Weight Span (Cold)		Weight Span (Hot)		Major Crossings (With in ROW)		UTM Coordinates (Zone - 43)		Elevation	Geodetic Coordinates		Remarks				
								Left	Right	Left	Right	Left	Right	Left	Right	Left	Right	Easting	Northing		Longitude	Latitude					
14	AP-35/0	DD60+25	--	LT 15° 15' 26"	449	773	4687	336	336	225	111	336	347	109	457	310	110	421	563605.373	3042430.6	504.989	75°38'38.304"E	27°30'14.583"N				
TOTAL LENGTH																											

Rev: R00 Date:

T. Type \ Extn	-3	+0	+3	+6	+9	+12	+15	+25	Total
DA	0	5	0	0	0	0	0	0	5
DB1	0	0	0	0	1	0	0	0	1
DB2	0	1	0	0	0	0	0	0	1
DC1	0	0	2	0	0	0	0	0	2
DC2	0	0	0	0	0	0	0	0	0
DD45	0	0	0	0	0	0	0	0	0
DD60	0	0	2	0	0	0	0	3	5
Total	0	6	4	0	1	0	0	3	14

KALPATARU POWER TRANSMISSION LIMITED		POWERGRID CORPORATION OF INDIA LIMITED	
 Satish Koya Asst. General Manager Kalpataru Power Transmission Limited	Approved By  कंचन कुमार चौधरी वरिष्ठ महाप्रबंधक	Recommended By (Blank)	Approved By (Blank)
SURVEYED BY	CHECKED BY	SUBMITTED BY	RECOMMENDED BY

KALPATARU POWER TRANSMISSION LIMITED
POWERGRID CORPORATION OF INDIA LIMITED
765 KV D/C SIKAR-II TO ALIGARH (WIND ZONE - 4) TRANSMISSION LINE, part-1
DETAIL SURVEY TOWER SCHEDULE

SECTION: AP-35/0 TO AP-38/0 (1.375 K.M)


Rev: R00

Date:

Sl. No	Twr No.	Tower Type	C.P. UP/DO	Deviation Angle (DMS)	Span (m)	Section Length	Cum. Chainage	Wind Span		Adjacent Span		Weight Span (Cold)		Weight Span (Hot)		Major Crossings (With in ROW)	UTM Coordinates		Geodetic Coordinates		Remarks				
								Span	Chnage	Left	Right	Total	Left	Right	Total		Left	Right	Total	Left		Right	Easting	Northing	Longitude
1	AP-35/0	DD60+25	--	LT 6° 28' 45"	221	221	0	335	225	110	335	347	113	460	310	112	422	563805.37	3042430.60	75°38'38.304"E	27°30'14.563"N				
2	AP-36/0	DD60+25	--	RT 9° 25' 38"	221	221	221	325	110	215	325	108	328	436	109	292	402	563826.01	3042430.90	75°38'46.345"E	27°30'14.556"N				
3	36/1	DA+0	--		429	1154	650	391	215	177	391	102	197	298	138	191	329	564248.89	3042361.28	75°39'1.744"E	27°30'12.221"N				
4	36/2	DA-3	--		353		1003	362	177	186	362	157	154	312	164	165	329	564597.65	3042303.86	75°39'14.445"E	27°30'10.296"N				
5	AP-38/0	DC1+3	--	LT 17° 30' 31"	372		1375	408	186	222	408	218	187	404	208	198	406	564964.34	3042243.48	75°39'27.797"E	27°30'8.271"N	LT Line need to be Shift During Execution & Hut need to be destroy			
					TOTAL LENGTH	1375																			

Tower Summary of 765 KV D/C Sikar-II to Aligarh Line (WO-394 - Part-1)

T. Type \ Extn	-3	+0	+3	+6	+9	+12	+15	+25	+35	Total
DA	1	1	0	0	0	0	0	0	0	2
DB1	0	0	0	0	0	0	0	0	0	0
DB2	0	0	0	0	0	0	0	0	0	0
DC1	0	0	1	0	0	0	0	0	0	1
DC2	0	0	0	0	0	0	0	0	0	0
DD45	0	0	0	0	0	0	0	0	0	0
DD60	0	0	0	0	0	0	0	2	0	2
Total	1	1	1	0	0	0	0	2	0	5

KALPATARU POWER TRANSMISSION LIMITED		POWERGRID CORPORATION OF INDIA LIMITED	
 Satisfish Koya Asst. General Manager Kalpataru Power Transmission Limited	01/07/2021 प्रबंधक पॉवरग्रिड, सीकर	01/07/21 कंचन कुमार चौधरी, वरिष्ठ महाप्रबंधक पॉवरग्रिड, अलवर	APPROVED BY
			CHECKED BY
SURVEYED BY	CHECKED BY	SUBMITTED BY	RECOMMENDED BY

KALPATARU POWER TRANSMISSION LIMITED
POWERGRID CORPORATION OF INDIA LIMITED
765 KV D/C SIKAR-II TO ALIGARH (WIND ZONE - 4) TRANSMISSION LINE, part-1
DETAIL SURVEY TOWER SCHEDULE
SECTION: AP-38/0 TO AP-39/0 (2.793 K.M)

Sl. No	Twr No.	Tower Type	C.P. UP/DO W/N	Deviation Angle (DMS)	Span (m)	Section length (m)	Cum. Chainage (m)	Wind Span (m)	Adjacent Span		Weight Span (Cold)		Weight Span (Hot)		Major Crossings (With in ROW)	UTM Coordinates (Zone - 43)		Elevation	Geodetic Coordinates		Remarks						
									Left	Right	Total	Left	Right	Total		Left	Right		Total	Easting		Northing	Longitude	Latitude			
1	AP-38/0	DD45+3	--	LT 33° 36' 26"			0	412	191	221	412	183	184	367	186	196	382	564966.28	3042243.822	506.274	75° 39' 27.868"E	27° 30' 8.281"N	to type of tower is not fixed				
2	38/1	DA+6	--		443		443	419	221	198	419	259	235	494	248	224	472	565404.156	3042307.8	510.895	75° 39' 43.839"E	27° 30' 10.285"N					
3	38/2	DA+0	--		395		838	396	198	198	396	161	183	344	172	188	361	565795.135	3042364.926	509.976	75° 39' 58.1"E	27° 30' 12.073"N					
4	38/3	DA+3	--		397	2793	1235	400	198	201	400	214	202	417	210	202	412	566187.842	3042422.304	509.911	75° 40' 12.424"E	27° 30' 13.869"N					
5	38/4	DA+0	--		402		1637	402	201	201	402	201	190	391	201	194	395	566585.915	3042480.467	512.733	75° 40' 26.943"E	27° 30' 15.689"N					
6	38/5	DA+3	--		402		2039	400	201	199	400	213	204	417	209	203	413	566983.976	3042538.628	511.84	75° 40' 41.463"E	27° 30' 17.509"N					
7	38/6	DA+0	--		398		2437	377	199	178	377	194	180	374	196	180	376	567377.733	3042596.159	513.889	75° 40' 55.825"E	27° 30' 19.308"N					
8	AP-39/0	Tentative Tower	--	Tentative Angle	356		2793	178	178	0	178	176	0	176	177	0	177	567730.184	3042647.656	513.753	75° 41' 8.681"E	27° 30' 20.919"N	Hold				
TOTAL LENGTH																											

Tower Summary of 765 KV D/C SIKAR-II to Aligarh Line (WO-394 - Part-1)

T. Type \ Extn	-3	+0	+3	+6	+9	+12	+15	+25	Total
DA	0	3	2	1	0	0	0	0	6
DB1	0	0	0	0	0	0	0	0	0
DB2	0	0	0	0	0	0	0	0	0
DC1	0	0	0	0	0	0	0	0	0
DC2	0	0	0	0	0	0	0	0	0
DD45	0	0	1	0	0	0	0	0	1
DD60	0	0	0	0	0	0	0	0	0
Total	0	3	3	1	0	0	0	0	7

<p>KALPATARU POWER TRANSMISSION LIMITED</p> <p>Satish Koya Asst. General Manager</p>	<p>POWERGRID CORPORATION OF INDIA LIMITED</p> <p>संवीप जैन प्रबंधक</p>	<p>कंचन कुमार चौधरी वरिष्ठ महाप्रबंधक</p>
<p>SURVEYED BY</p>	<p>CHECKED BY</p>	<p>APPROVED BY</p>

**KALPATARU POWER TRANSMISSION LIMITED
POWERGRID CORPORATION OF INDIA LIMITED
765 KV D/C SIKAR-II TO ALIGARH (WIND ZONE - 4) TRANSMISSION LINE, part-1
DETAIL SURVEY TOWER SCHEDULE
SECTION: AP-39/0 TO AP-45/0 (3.595 K.M)**

Rev: R00 Date:

Angle	Span (m)	Section Length (m)	Cum. Chainage (m)	Wind Span (m)		Adjacent Span		Weight Span (Cold)			Weight Span (Hot)			Major Crossings (With in ROW)	UTM Coordinates (Zone - 43)		Elevation	Geodetic Coordinates		Remarks
				Left	Right	Left	Right	Left	Right	Total	Left	Right	Total		Easting	Northing		Longitude	Latitude	
16"	374	0	393	178	196	374	177	171	348	177	180	357	Cart Track	567730.184	3042647.656	513.753	75°41'8.681"E	27°30'20.919"N	Released	
35"	393	393	393	196	179	376	222	210	432	214	199	414	Road, Cart Track, 11kv, LT Line, Boring	568078.969	3042829.033	515.521	75°41'21.43"E	27°30'26.75"N		
358	344	751	344	179	165	344	149	157	306	160	160	320	Cart Track, LT Line, House, Water Tank	568436.08	3042800.191	516.344	75°41'34.44"E	27°30'25.748"N		
329	362	1080	362	165	197	362	172	144	316	170	163	333	Cart Track	568764.342	3042773.68	517.49	75°41'46.399"E	27°30'24.827"N		
395	322	1475	322	197	125	322	252	98	350	233	112	345	Road, 11KV, LTLine, 132KV S/C Line, Temple	569157.843	3042741.899	518.583	75°42'0.734"E	27°30'23.722"N		
40"	250	1725	333	125	208	333	152	240	392	138	231	370	11KV, Boring, Well, Pump House	569405.444	3042707.562	521.256	75°42'9.751"E	27°30'22.561"N		
415	413	2140	413	208	205	413	176	127	302	185	150	335	11KV, LT Line, Well	569820.056	3042730.493	523.367	75°42'24.867"E	27°30'23.23"N		
410	330	2550	330	205	125	330	284	143	427	262	134	396	220KV S/C Line, Road	570228.976	3042753.11	524.411	75°42'39.776"E	27°30'23.889"N		
26"	307	2800	307	125	182	307	107	236	343	116	220	336	Hut	570478.435	3042761.936	525.281	75°42'48.869"E	27°30'24.129"N		
364	398	3164	398	182	216	398	129	189	318	145	198	343	LT Line, 11KV, Well, Boring, 33KV, Bricks Plant	570812.367	3042616.408	524.935	75°43'1.01"E	27°30'19.337"N		
431	442	3595	442	216	227	442	242	220	462	235	222	456		571207.509	3042444.204	524.501	75°43'15.374"E	27°30'13.666"N		

tower no. 44/02 to 44/01 in hold due to power line Xing.

Landef
03/06/2021

Landef
संदीप जैन
प्रबंधक
पावरग्रिड, सीकर

tiish Koya
General Manager
Power Transmission Limited

कंचन कुमारी/बीप्रसी
वरिष्ठ महाप्रबंधक
पावरग्रिड, अलवर

KALPATARU POWER TRANSMISSION LIMITED
POWERGRID CORPORATION OF INDIA LIMITED

765 KV D/C SIKAR-II TO ALIGARH (WIND ZONE - 4) TRANSMISSION LINE, part-1
DETAIL SURVEY TOWER SCHEDULE

SECTION: AP-39/0 TO AP-45/0 (3.595 K.M)

Rev: R00 Date:

Angle	Span (m)	Section Length (m)	Cum. Chainage (m)	Wind Span (m)	Adjacent Span		Weight Span (Cold)		Weight Span (Hot)		Major Crossings (With in ROW)	UTM Coordinates (Zone - 43)		Elevation	Geodetic Coordinates		Remarks
					Left	Right	Left	Right	Left	Right		Easting	Northing		Longitude	Latitude	
	3595																

C Sikar-II to Aligarh Line (WO-394 - Part-1)

	+6	+9	+12	+15	+25	Total
	0	0	0	0	0	4
	1	0	1	0	0	2
	1	0	0	0	0	1
	0	0	0	0	0	1
	0	1	0	0	0	1
	1	0	0	0	0	2
	0	0	0	0	0	0
	3	1	1	0	0	11

POWERGRID CORPORATION OF INDIA LIMITED	POWERGRID CORPORATION OF INDIA LIMITED
<p>Submitted By: Satish Koya Asst. General Manager Kalpataru Power Transmission Limited</p>	<p>Recommended By: संदीप जैन प्रबंधक पावरग्रिड, सीकर</p>
CHECKED BY	CHECKED BY
SUBMITTED BY	APPROVED BY
	<p>APPROVED BY: कंचन कुमार चौधरी वरिष्ठ महाप्रबंधक पावरग्रिड, अलवर</p>

KALPATARU POWER TRANSMISSION LIMITED
POWERGRID CORPORATION OF INDIA LIMITED

765 KV D/C SIKAR-II TO ALIGARH (WIND ZONE - 4) TRANSMISSION LINE, part-1

DETAIL SURVEY TOWER SCHEDULE

SECTION: AP-45/0 TO AP-48/0 (2.731 K.M)

Rev: R00

Date:

Angle	Span (m)	Section length (m)	Cum. Chainage (m)	Wind Span (m)	Adjacent Span			Weight Span (Cold)			Weight Span (Hot)			Major Crossings (With in ROW)		UTM Coordinates (Zone - 43)		Elevation	Geodetic Coordinates		Remarks	
					Left	Right	Total	Left	Right	Total	Left	Right	Total	Easting	Northing	Longitude	Latitude					
39"			0	442	216	227	442	242	220	462	235	222	456		Bricks Plant, LT Line, Cart Track, Boring, 11KV	571207.509	3042444.204	524.501	75°43'15.374"E	27°30'13.666"N		
22"	453		453	410	227	183	410	235	208	443	234	201	434			571644	3042566.868	526.327	75°43'31.309"E	27°30'17.57"N		
	366		819	374	183	190	374	159	183	342	167	186	352		11KV, Temple, Boring, Road, LT Line, Pump House	572008.361	3042530.973	527.999	75°43'44.581"E	27°30'16.334"N		
	381		1200	391	190	201	391	198	182	380	196	188	385			572387.291	3042493.642	529.372	75°43'58.383"E	27°30'15.048"N		
	402	1984	1602	402	201	201	402	221	208	429	215	206	421		Boring, Temple, 11KV, Hut	572787.567	3042454.209	530.031	75°44'12.963"E	27°30'13.69"N		
	402		2004	417	201	216	417	195	169	363	197	184	381		LT Line, Road	573187.721	3042414.788	531.769	75°44'27.538"E	27°30'12.331"N		
	433														LT Line, Boring, Well, Pond, 11KV, Boundry Wall, Cart Track							
2"	294		2437	363	216	147	363	265	113	378	250	128	379		Boring, 220KV S/C Line, Road, 11KV, LT Line, Cart Track, Temple	573618.242	3042372.375	532.907	75°44'43.219"E	27°30'10.869"N		
	294																					

tower No. - 46/04 to AP-48 is hold due to Paneru line King.

Land/ 03/06/2021

Land/ 03/06/2021

Land/ 03/06/2021

कंचन कुमार चौधरी
वरिष्ठ महाप्रबंधक
पावरग्रिड, अलवर

संवीप जैन
प्रबंधक
पावरग्रिड, सीकर

Atish Koya
General Manager
Power Transmission Limited

KALPATARU POWER TRANSMISSION LIMITED
POWERGRID CORPORATION OF INDIA LIMITED
765 KV D/C SIKAR-II TO ALIGARH (WIND ZONE - 4) TRANSMISSION LINE, part-1
DETAIL SURVEY TOWER SCHEDULE
SECTION: AP-45/0 TO AP-48/0 (2.731 K.M)

Rev: R00 Date:

Angle	Span (m)	Section Length (m)	Cum. Chainage (m)	Wind Span (m)		Adjacent Span			Weight Span (Cold)			Weight Span (Hot)			Major Crossings (With in ROW)		UTM Coordinates (Zone - 43)		Elevation	Geodetic Coordinates		Remarks
				Left	Right	Left	Right	Total	Left	Right	Total	Left	Right	Total	Easting	Northing	Longitude	Latitude				
13"	2731		2731	147	147	0	147	181	0	181	166	0	166	0	166	Tentative Tower	573908.987	3042417.77	533.951	75°44'53.826"E	27°30'12.287"N	
	2731																					

765 KV D/C SIKAR-II to Aligarh Line (WO-394 - Part-1)

	+6	+9	+12	+15	+25	Total
	0	0	0	0	0	4
	0	0	0	0	0	0
	0	1	0	0	0	1
	1	0	0	0	0	1
	0	0	0	0	0	0
	1	0	0	0	0	1
	0	0	0	0	0	0
	2	1	0	0	0	7

<p>Satish Koya Asst. General Manager Kalpataru Power Transmission Limited</p>	<p>संदीप जैन प्रबंधक पावरग्रिड, सीकर</p>
SUBMITTED BY	CHECKED BY
POWERGRID CORPORATION OF INDIA LIMITED	POWERGRID CORPORATION OF INDIA LIMITED
APPROVED BY <i>(Signature)</i> 03/06/21 कंचन कुमार चौधरी	APPROVED BY <i>(Signature)</i> 03/06/21 पावरग्रिड, अलवर