

Name of work: North South Interlinking Package - NSIP Phase 1 Project A (Construction of 220/110kV MCMV LILO line from Konnakuzhy to Chalakudy)																									
Note: Enter the Datas only in Blue coloured cells.												Cost Index		1.3725		District		TRICHUR		TRICHUR					
SL NO	LOC. No.	Select the type of tower from the list		ANGLE OF DEVIATION	SPAN IN (M)	SEC. LENG.	Cumulative Length	R.L	Base Extension	Final Level	Sum of Adjacent Span	WEIGHT SPAN 220KV-Measured						WEIGHT SPAN 220KV-Calculated						REMARKS	Select Type of soil from the list
												HOT			COLD			HOT			COLD				
												LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL		
1	T-91A	KLB+0	KLB+0	9°20'LT				100.41	0	100.41	177	0.00	94.00	94.00	0.00	101.00	101.00	0.00	117.99	117.99	0.00	132.05	132.05	ok	Normal Soil
					177	177																		Normal Soil	
2	T-92	KLB+0	KLB+0	17°LT			177	103.25	0	103.25	417	151.00	155.00	306.00	147.00	167.00	314.00	117.99	173.38	291.37	132.05	198.82	330.87	ok	Hard Rock
					240	240																		Hard Rock	
3	T-93	KLB+0	KLB+0	58°40'RT			417	96.28	0	96.28	531	107.00	154.00	261.00	95.00	178.00	273.00	173.38	148.09	321.47	198.82	149.32	348.15	ok	Hard Rock
					291	291																		Hard Rock	
4	T-94	KLB+0	KLB+0				708	95.87	0	95.87	471	42.00	152.00	194.00	24.00	161.00	185.00	148.09	119.61	267.70	149.32	133.73	283.05	Check	Hard Rock
					180	180																		Hard Rock	
5	T-95	KLB+0	KLB+0	29°LT			888	92.97	0	92.97	518	115.00	120.00	235.00	106.00	121.00	227.00	119.61	189.50	309.12	133.73	199.27	333.00	ok	
					338	338																			
6	T-96	KLB+3	KLB+3				1226	93.74	3	96.74	551	131.00	126.00	257.00	129.00	127.00	256.00	189.50	134.11	323.62	199.27	147.28	346.55	ok	Normal Soil
					213																			Normal Soil	
7	T-98	KLB+0	KLB+0				1439	93.54	0	93.54	316	124.00	125.00	249.00	123.00	124.00	247.00	134.11	54.36	188.47	147.28	55.72	202.99	ok	Hard Rock
					103																				
8	T-99	KLB+0	KLB+0				1542	93.7	0	93.7	420	125.00	136.00	261.00	126.00	137.00	263.00	54.36	159.66	214.02	55.72	160.21	215.93	ok	Hard Rock
					317																			Hard Rock	
9	T-100	KLD+0	KLD+0	35°RT			1859	93.5	0	93.5	514	134.00	143.00	277.00	133.00	134.00	267.00	159.66	99.43	259.09	160.21	99.88	260.09	ok	Normal Soil
					197	830																			
10	T-101	KLD+0	KLD+0				2056	93.6	0	93.6	461	177.00	147.00	324.00	186.00	139.00	325.00	99.43	170.85	270.28	99.88	189.37	289.24	ok	Normal Soil
					264																			Normal Soil	
11	T-102	KLA+6	KLA+6				2320	93.18	6	99.18	631	173.00	192.00	365.00	181.00	213.00	394.00	170.85	199.43	370.28	189.37	207.02	396.38	ok	Hard Rock
					367																				
12	T-103	KLB+3	KLB+3				2687	93	3	96	731	129.00	153.00	282.00	107.00	154.00	261.00	199.43	197.15	396.58	207.02	204.37	411.39	ok	
					364																				
13	T-104	KLB+0	KLB+0	50°LT			3051	93	0	93	608	151.00	72.00	223.00	150.00	48.00	198.00	197.15	132.02	329.17	204.37	136.79	341.16	ok	Hard Rock
					244	1239																		Normal Soil	
14	T-105	KLA+0	KLA+0	06°RT			3295	94.33	0	94.33	599	174.00	117.00	291.00	198.00	142.00	340.00	132.02	188.22	320.24	136.79	193.33	330.12	ok	Normal Soil
					355	355																		Normal Soil	
15	T-106	KLB+0	KLB+0	23°RT			3650	96.4	0	96.4	691	13.00	42.00	55.00	-12.00	42.00	30.00	188.22	217.34	405.56	193.33	240.86	434.19	ok	Hard Rock
					336	336																			
16	T-107	KLA+6	KLA+6	16°LT			3986	99.42	6	105.42	622	108.00	82.00	190.00	124.00	92.00	216.00	217.34	153.22	370.56	240.86	158.09	398.95	ok	Hard Rock
					286	286																			
17	T-108	KLA+6	KLA+6	04°RT			4272	97.83	6	103.83	624	39.00	143.00	182.00	29.00	135.00	164.00	153.22	173.30	326.52	158.09	175.34	333.43	ok	Normal Soil
					338	338																			
18	T-110	KLA+6	KLA+6	04°LT			4610	98.62	6	104.62	644	177.00	78.00	255.00	185.00	75.00	260.00	173.30	194.27	367.56	175.34	213.94	389.28	ok	Normal Soil
					306	306																		Normal Soil	
19	T-111	KLB+0	KLB+0	30°RT			4916	97.75	0	97.75	568	92.00	196.00	288.00	95.00	263.00	358.00	194.27	161.80	356.07	213.94	176.48	390.41	ok	
					262	262																			
20	T-112	KLB+0	KLB+0	42°RT			5178	93.36	0	93.36	480	-90.00	125.00	35.00	-157.00	125.00	-32.00	161.80	112.46	274.26	176.48	114.10	290.58	ok	Hard Rock
					218	218																			
21	T-113	KLB+0	KLB+0				5396	92.95	0	92.95	493	119.00	127.00	246.00	119.00	128.00	247.00	112.46	175.60	288.06	114.10	193.76	307.86	ok	Hard Rock
					275																				

22	T-114	<div>KLB+6</div>	<div>KLB+6</div>	53°4'LT	255	530	5926	92.65	6	98.65	530	123.00	107.00	230.00	122.00	99.00	221.00	175.60	146.24	321.84	193.76	155.17	348.93	Check	Normal Soil
23	T-116	<div>KLA+9</div>	<div>KLA+9</div>		281	281	6207	92.25	9	101.25	536	143.00	121.00	264.00	151.00	108.00	259.00	146.24	151.29	297.53	155.17	156.44	311.61	ok	Normal Soil
24	T-117	<div>KLB+6</div>	<div>KLB+6</div>	23°20'LT	247	247	6454	93.6	6	99.6	528	179.00	217.00	396.00	192.00	228.00	420.00	151.29	177.45	328.75	156.44	203.17	359.60	ok	Normal Soil
25	T-118	<div>KLB+0</div>	<div>KLB+0</div>	29°33'LT	173		6627	92.35	0	92.35	420	173.00	107.00	280.00	162.00	97.00	259.00	177.45	123.16	300.61	203.17	140.63	343.79	ok	Normal Soil
26	T-119	<div>KLB+0</div>	<div>KLB+0</div>	35°33'RT	197		6824	95.8	0	95.8	370	153.00	116.00	269.00	164.00	119.00	283.00	123.16	133.96	257.11	140.63	150.85	291.48	ok	Normal Soil
27	T-120	<div>KLD+0</div>	<div>KLD+0</div>		262	632	7086	92	0	92	459	104.00	133.00	237.00	101.00	144.00	245.00	133.96	152.05	286.00	150.85	162.08	312.93	Check	
28	T-121	<div>KLA+3</div>	<div>KLA+3</div>	22°LT	172	172	7258	92	3	95	434	86.00	119.00	205.00	75.00	116.00	191.00	152.05	107.59	259.63	162.08	117.88	279.95	ok	Normal Soil
29	T-122	<div>KLB+0</div>	<div>KLB+0</div>		226	226	7484	92.98	0	92.98	398	133.00	-35.00	98.00	136.00	-102.00	34.00	107.59	266.64	374.22	117.88	339.86	457.73	ok	Normal Soil
30	T-123	<div>KLA+6</div>	<div>KLA+6</div>	13°RT	312	312	7796	105.87	6	111.87	538	211.00	126.00	337.00	273.00	117.00	390.00	266.64	174.44	441.08	339.86	183.23	523.09	ok	Normal Soil
31	T-124	<div>KLA+6</div>	<div>KLA+6</div>	53°40'LT	226	226	8022	109	6	115	538	164.00	165.00	329.00	173.00	172.00	345.00	174.44	227.68	402.12	183.23	282.33	465.56	ok	Normal Soil
32	T-125	<div>KLB+0</div>	<div>KLB+0</div>	7°RT	353	353	8375	100.9	0	100.9	579	143.00	186.00	329.00	136.00	189.00	325.00	227.68	188.27	415.95	282.33	193.88	476.21	ok	Normal Soil
33	T-126	<div>KLA+3</div>	<div>KLA+3</div>	11°LT	172	172	8547	100.16	3	103.16	525	179.00	192.00	371.00	175.00	202.00	377.00	188.27	164.65	352.92	193.88	202.14	396.02	ok	Normal Soil
34	T-127	<div>KLB+0</div>	<div>KLB+0</div>	15°LT	194	194	8741	95.8	0	95.8	366	150.00	205.00	355.00	137.00	214.00	351.00	164.65	147.12	311.78	202.14	171.01	373.15	ok	Normal Soil
35	T-128	<div>KLA+3</div>	<div>KLA+3</div>	59°RT	257		8998	98.09	3	101.09	451	171.00	177.00	348.00	162.00	193.00	355.00	147.12	144.88	292.00	171.01	152.68	323.69	ok	Normal Soil
36	T-129	<div>KLB+3</div>	<div>KLB+3</div>	28°RT	198		9196	95.8	3	98.8	455	117.00	126.00	243.00	102.00	111.00	213.00	144.88	123.14	268.02	152.68	134.64	287.32	Check	Normal Soil
37	T-130	<div>KLB+0</div>	<div>KLB+0</div>		263	455	9459	96.2	0	96.2	461	194.00	122.00	316.00	210.00	113.00	323.00	123.14	131.50	254.64	134.64	131.50	266.14	ok	
38	T-131	<div>KLA+0</div>	<div>KLA+0</div>		251		9710	96.2	0	96.2	514	159.00	188.00	347.00	168.00	204.00	372.00	131.50	131.72	263.22	131.50	134.69	266.19	ok	Normal Soil
39	T-132	<div>KLB+0</div>	<div>KLB+0</div>		162		9872	95.35	0	95.35	413	112.00	164.00	276.00	96.00	172.00	268.00	131.72	85.54	217.26	134.69	87.70	222.39	Check	Normal Soil
40	T-133	<div>KLC+0</div>	<div>KLC+0</div>	8°LT	173	173	10045	95.75	0	95.75	335	136.00	145.00	281.00	128.00	132.00	260.00	85.54	119.44	204.98	87.70	135.13	222.84	ok	Normal Soil
41	T-134	<div>KLA+3</div>	<div>KLA+3</div>	48°LT	190	190	10235	95.85	3	98.85	363	205.00	182.00	387.00	218.00	178.00	396.00	119.44	104.09	223.53	135.13	108.43	243.56	ok	Normal Soil
42	T-135	<div>KLB+0</div>	<div>KLB+0</div>		223	223	10458	97.91	0	97.91	413	201.00	107.00	308.00	204.00	133.00	337.00	104.09	137.96	242.05	108.43	150.57	259.00	ok	Normal Soil
43	T-136	<div>KLA+3</div>	<div>KLA+3</div>	35°LT	236		10694	98.12	3	101.12	459	-3.00	159.00	156.00	-30.00	163.00	133.00	137.96	128.75	266.71	150.57	133.87	284.44	ok	Normal Soil
44	T-137	<div>KLD+3</div>	<div>KLD+3</div>	15°RT	183	419	10877	99.5	3	102.5	419	145.00	142.00	287.00	142.00	134.00	276.00	128.75	127.16	255.91	133.87	144.15	278.02	ok	
45	T-138	<div>KLC+0</div>	<div>KLC+0</div>		95		10972	98.95	0	98.95	278	168.00	117.00	285.00	176.00	101.00	277.00	127.16	56.40	183.56	144.15	60.64	204.79	ok	Wet Soil
46	D/E	<div>KLD+0</div>	<div>KLD+0</div>		n			98.49	0	98.49	95	182.00	184.00	366.00	198.00	196.00	394.00	56.40	#DIV/0!	#DIV/0!	60.64	#DIV/0!	#DIV/0!	ok	Wet Soil

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