



Preliminary Pole No.	Final Pole No.				Pole Type	Ruling Span Ahead (m)	Actual Span Ahead (m)	Sag and Tension in Span Ahead at Conductor Temperature (Deg C)																			
								5		10		15		20		25		30		35		40		45		50	
								Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)
4945	4943				STRAIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
4943	4944				STRAIN	43	43	0.16	1.15	0.16	1.12	0.16	1.09	0.17	1.07	0.17	1.04	0.18	1.01	0.18	0.99	0.19	0.96	0.19	0.93	0.20	0.91
4944	4950				SUSP	33	33	0.09	1.15	0.10	1.12	0.10	1.09	0.10	1.07	0.10	1.04	0.11	1.01	0.11	0.98	0.11	0.96	0.12	0.93	0.12	0.90
4950	4949				STRAIN	45	45	0.17	1.15	0.18	1.12	0.18	1.09	0.19	1.07	0.19	1.04	0.20	1.01	0.20	0.99	0.21	0.96	0.21	0.93	0.22	0.91
4949	4948				STRAIN	55	55	0.26	1.15	0.26	1.12	0.27	1.09	0.27	1.07	0.28	1.04	0.29	1.02	0.30	0.99	0.30	0.96	0.31	0.94	0.32	0.91
4948	15				STRAIN	105	106	0.98	1.14	1.00	1.12	1.02	1.09	1.04	1.07	1.07	1.05	1.09	1.03	1.11	1.01	1.14	0.98	1.16	0.96	1.19	0.94
15	14				STRAIN	63	67	0.38	1.14	0.39	1.12	0.40	1.09	0.41	1.07	0.42	1.04	0.43	1.02	0.44	0.99	0.45	0.97	0.46	0.94	0.47	0.92
14	13				SUSP	63	60	0.30	1.15	0.31	1.12	0.32	1.09	0.33	1.07	0.33	1.04	0.34	1.02	0.35	0.99	0.36	0.97	0.37	0.94	0.38	0.92
13	12				STRAIN	85	81	0.56	1.14	0.57	1.12	0.59	1.09	0.60	1.07	0.61	1.04	0.63	1.02	0.64	1.00	0.66	0.97	0.68	0.95	0.69	0.93
12	11				SUSP	85	77	0.51	1.14	0.52	1.12	0.53	1.09	0.54	1.07	0.56	1.04	0.57	1.02	0.58	1.00	0.60	0.97	0.61	0.95	0.63	0.93
11	10				SUSP	85	86	0.64	1.14	0.65	1.12	0.66	1.09	0.68	1.07	0.70	1.05	0.71	1.02	0.73	1.00	0.74	0.98	0.76	0.95	0.78	0.93
10	9				SUSP	85	88	0.67	1.14	0.69	1.12	0.70	1.09	0.72	1.07	0.73	1.05	0.75	1.02	0.77	1.00	0.78	0.98	0.80	0.95	0.82	0.93
9	8				SUSP	85	90	0.69	1.14	0.71	1.12	0.72	1.09	0.74	1.07	0.75	1.05	0.77	1.02	0.79	1.00	0.81	0.98	0.82	0.96	0.84	0.93
8	7				STRAIN	80	78	0.52	1.14	0.54	1.12	0.55	1.09	0.56	1.07	0.57	1.04	0.59	1.02	0.60	1.00	0.62	0.97	0.63	0.95	0.65	0.93
7	Pole 6A				SUSP	80	75	0.48	1.14	0.49	1.12	0.50	1.09	0.51	1.07	0.52	1.04	0.54	1.02	0.55	1.00	0.56	0.97	0.58	0.95	0.59	0.92
Pole 6A	6				SUSP	80	81	0.56	1.14	0.58	1.12	0.59	1.09	0.60	1.07	0.62	1.04	0.63	1.02	0.65	1.00	0.66	0.97	0.68	0.95	0.69	0.93
6	5				SUSP	80	86	0.63	1.14	0.64	1.12	0.66	1.09	0.67	1.07	0.69	1.05	0.70	1.02	0.72	1.00	0.74	0.98	0.76	0.95	0.77	0.93
5	Pole 4A				STRAIN	65	65	0.36	1.14	0.37	1.12	0.38	1.09	0.39	1.07	0.40	1.04	0.41	1.02	0.42	0.99	0.43	0.97	0.44	0.94	0.45	0.92
Pole 4A	4				SUSP	65	66	0.37	1.14	0.38	1.12	0.39	1.09	0.40	1.07	0.41	1.04	0.42	1.02	0.43	0.99	0.44	0.97	0.45	0.94	0.46	0.92
4	Pole 3A				STRAIN	56	63	0.34	1.14	0.34	1.12	0.35	1.09	0.36	1.07	0.37	1.04	0.38	1.02	0.39	0.99	0.40	0.97	0.41	0.94	0.42	0.92
Pole 3A	3				SUSP	56	46	0.18	1.15	0.19	1.12	0.19	1.09	0.20	1.07	0.20	1.04	0.21	1.01	0.21	0.99	0.22	0.96	0.22	0.94	0.23	0.91
3	2A				STRAIN	84	80	0.54	1.14	0.56	1.12	0.57	1.09	0.58	1.07	0.59	1.04	0.61	1.02	0.62	1.00	0.64	0.97	0.65	0.95	0.67	0.93
2A	2				SUSP	84	88	0.66	1.14	0.67	1.12	0.69	1.09	0.70	1.07	0.72	1.05	0.73	1.02	0.75	1.00	0.77	0.98	0.79	0.95	0.80	0.93
2	Pole 1A				STRAIN	63	67	0.39	1.14	0.40	1.12	0.41	1.09	0.42	1.07	0.43	1.04	0.44	1.02	0.45	0.99	0.46	0.97	0.47	0.94	0.48	0.92
Pole 1A	1				SUSP	63	58	0.29	1.15	0.29	1.12	0.30	1.09	0.31	1.07	0.32	1.04	0.32	1.02	0.33	0.99	0.34	0.96	0.35	0.94	0.36	0.91
1	4926				STRAIN	52	52	0.23	1.15	0.24	1.12	0.25	1.09	0.25	1.07	0.26	1.04	0.26	1.01	0.27	0.99	0.28	0.96	0.29	0.94	0.29	0.91
4926	4925				STRAIN	101	103	0.75	1.38	0.77	1.35	0.78	1.33	0.79	1.30	0.81	1.28	0.83	1.25	0.84	1.23	0.86	1.20	0.88	1.18	0.89	1.16
4925	4924				SUSP	101	99	0.84	1.14	0.86	1.11	0.88	1.09	0.90	1.07	0.92	1.05	0.94	1.02	0.96	1.00	0.98	0.98	1.00	0.96	1.02	0.94
4924	Tower 1				STRAIN	272	274	8.52	2.11	8.54	2.10	8.55	2.10	8.57	2.10	8.59	2.09	8.61	2.09	8.62	2.08	8.64	2.08	8.66	2.07	8.68	2.07
Tower 1	Tower 2				STRAIN	769	770	19.73	7.13	19.77	7.12	19.81	7.10	19.86	7.09	19.90	7.07	19.94	7.06	19.98	7.04	20.02	7.03	20.07	7.01	20.11	7.00
Tower 2	A1				STRAIN	111	113	1.22	2.55	1.24	2.53	1.25	2.50	1.26	2.48	1.27	2.46	1.28	2.44	1.29	2.41	1.30	2.39	1.32	2.37	1.33	2.35
A1	A2				STRAIN	50	50	0.21	1.15	0.21	1.12	0.22	1.09	0.23	1.07	0.23	1.04	0.24	1.01	0.24	0.99	0.25	0.96	0.26	0.94	0.26	0.91
A2	A3				SUSP	50	50	0.21	1.15	0.22	1.12	0.22	1.09	0.23	1.07	0.23	1.04	0.24	1.01	0.24	0.99	0.25	0.96	0.26	0.94	0.27	0.91
A3	A4				STRAIN	49	50	0.21	1.15	0.21	1.12	0.22	1.10	0.22	1.07	0.23	1.04	0.24	1.02	0.24	0.99	0.25	0.96	0.26	0.94	0.26	0.91
A4	A5				SUSP	49	45	0.17	1.15	0.17	1.12	0.18	1.10	0.18	1.07	0.19	1.04	0.19	1.02	0.20	0.99	0.20	0.96	0.21	0.94	0.21	0.91
A5	A6				SUSP	49	49	0.20	1.15	0.21	1.12	0.21	1.10	0.22	1.07	0.22	1.04	0.23	1.02	0.23	0.99	0.24	0.96	0.25	0.94	0.25	0.91
A6	#REF!				SUSP	49	49	0.21	1.15	0.21	1.12	0.22	1.10	0.22	1.07	0.23	1.04	0.24	1.02	0.24	0.99	0.25	0.96	0.25	0.94	0.26	0.91
								CONTRACTOR								DESIGNED		Kelly Chang		SP ADSS 11kV LINE - EAST HONIARA						DRAWING NO.	
																CHECKED		James Donald								SK- 13	
																DRAWN		Kelly Chang		ADSS STRINGING CHART						PROJECT NO.	
																CHECHED		James Donald									
A2	FOR CLIENT REVIEW	KC	JD	KC	JD	IK	12/20									APPROVED		Iqbal Kalsi						SHEET			
A1	FOR CLIENT REVIEW	KC	JD	KC	JD	IK	07/20									SIZE		SCALE						LUNGGA POWER STATION - HENDERSON SOLAR FARM			
REV	AMENDMENT DETAIL	DESIGN	CHK'D	DRAWN	CHK'D	APP	DATE	PLOT DATE:				A3				NTS				1 OF 2 A2							

Preliminary Pole No.	Final Pole No.				Pole Type	Ruling Span Ahead (m)	Actual Span Ahead (m)	Sag and Tension in Span Ahead at Conductor Temperature (Deg C)																			
								5		10		15		20		25		30		35		40		45		50	
								Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)	Sag (m)	Ten (kN)
A7	A8				SUSP	49	50	0.21	1.15	0.22	1.12	0.22	1.10	0.23	1.07	0.23	1.04	0.24	1.02	0.24	0.99	0.25	0.96	0.26	0.94	0.26	0.91
A8	A9				SUSP	49	50	0.21	1.15	0.22	1.12	0.22	1.10	0.23	1.07	0.23	1.04	0.24	1.02	0.25	0.99	0.25	0.96	0.26	0.94	0.27	0.91
A9	A10				SUSP	49	50	0.21	1.15	0.22	1.12	0.22	1.10	0.23	1.07	0.23	1.04	0.24	1.02	0.24	0.99	0.25	0.96	0.26	0.94	0.27	0.91
A10	A11				STRAIN	49	49	0.20	1.15	0.21	1.12	0.21	1.10	0.22	1.07	0.22	1.04	0.23	1.02	0.24	0.99	0.24	0.96	0.25	0.94	0.26	0.91
A11	A12				SUSP	49	46	0.18	1.15	0.18	1.12	0.19	1.10	0.19	1.07	0.20	1.04	0.20	1.02	0.21	0.99	0.21	0.96	0.22	0.94	0.22	0.91
A12	A13				SUSP	49	50	0.21	1.15	0.22	1.12	0.22	1.10	0.23	1.07	0.23	1.04	0.24	1.02	0.25	0.99	0.25	0.96	0.26	0.94	0.27	0.91
A13	A14				SUSP	49	50	0.21	1.15	0.22	1.12	0.22	1.10	0.23	1.07	0.23	1.04	0.24	1.02	0.25	0.99	0.25	0.96	0.26	0.94	0.27	0.91
A14	A15				SUSP	49	50	0.21	1.15	0.22	1.12	0.22	1.10	0.23	1.07	0.24	1.04	0.24	1.02	0.25	0.99	0.25	0.96	0.26	0.94	0.27	0.91
A15	A16				SUSP	49	50	0.21	1.15	0.22	1.12	0.22	1.10	0.23	1.07	0.23	1.04	0.24	1.02	0.25	0.99	0.25	0.96	0.26	0.94	0.27	0.91
A16	A17				SUSP	49	50	0.21	1.15	0.22	1.12	0.22	1.10	0.23	1.07	0.23	1.04	0.24	1.02	0.25	0.99	0.25	0.96	0.26	0.94	0.27	0.91
A17	A18				SUSP	49	50	0.21	1.15	0.22	1.12	0.22	1.10	0.23	1.07	0.23	1.04	0.24	1.02	0.25	0.99	0.25	0.96	0.26	0.94	0.27	0.91
A18	A19				SUSP	49	50	0.21	1.15	0.22	1.12	0.22	1.10	0.23	1.07	0.24	1.04	0.24	1.02	0.25	0.99	0.25	0.96	0.26	0.94	0.27	0.91
A19	A20				STRAIN	50	49	0.21	1.15	0.21	1.12	0.22	1.10	0.22	1.07	0.23	1.04	0.24	1.02	0.24	0.99	0.25	0.96	0.25	0.94	0.26	0.91
A20	A21				SUSP	50	50	0.21	1.15	0.22	1.12	0.22	1.10	0.23	1.07	0.24	1.04	0.24	1.02	0.25	0.99	0.25	0.96	0.26	0.94	0.27	0.91
A21	A22				SUSP	50	50	0.21	1.15	0.22	1.12	0.22	1.10	0.23	1.07	0.23	1.04	0.24	1.02	0.25	0.99	0.25	0.96	0.26	0.94	0.27	0.91
A22	A23				SUSP	50	50	0.21	1.15	0.22	1.12	0.22	1.10	0.23	1.07	0.23	1.04	0.24	1.02	0.25	0.99	0.25	0.96	0.26	0.94	0.27	0.91
A23	A24				SUSP	50	50	0.21	1.15	0.22	1.12	0.22	1.10	0.23	1.07	0.24	1.04	0.24	1.02	0.25	0.99	0.25	0.96	0.26	0.94	0.27	0.91
A24	A25				SUSP	50	50	0.21	1.15	0.22	1.12	0.22	1.10	0.23	1.07	0.23	1.04	0.24	1.02	0.25	0.99	0.25	0.96	0.26	0.94	0.27	0.91
A25	A26				SUSP	50	50	0.21	1.15	0.22	1.12	0.22	1.10	0.23	1.07	0.23	1.04	0.24	1.02	0.25	0.99	0.25	0.96	0.26	0.94	0.27	0.91
A26	A27				SUSP	50	50	0.21	1.15	0.22	1.12	0.22	1.10	0.23	1.07	0.24	1.04	0.24	1.02	0.25	0.99	0.26	0.96	0.26	0.94	0.27	0.91
A27	A28				SUSP	50	50	0.21	1.15	0.22	1.12	0.22	1.10	0.23	1.07	0.23	1.04	0.24	1.02	0.25	0.99	0.25	0.96	0.26	0.94	0.27	0.91
A28	5479				SUSP	50	48	0.20	1.15	0.20	1.12	0.21	1.10	0.21	1.07	0.22	1.04	0.22	1.02	0.23	0.99	0.23	0.96	0.24	0.94	0.25	0.91
5479	5388				STRAIN	83	57	0.28	1.15	0.29	1.12	0.29	1.10	0.30	1.07	0.31	1.04	0.31	1.02	0.32	0.99	0.33	0.97	0.34	0.94	0.35	0.92
5388	5434				SUSP	83	59	0.30	1.15	0.30	1.12	0.31	1.10	0.32	1.07	0.33	1.04	0.34	1.02	0.34	0.99	0.35	0.97	0.36	0.94	0.37	0.92
5434	5389				SUSP	83	86	0.63	1.14	0.65	1.12	0.66	1.09	0.68	1.07	0.69	1.05	0.71	1.02	0.73	1.00	0.74	0.98	0.76	0.96	0.78	0.93
5389	5390				SUSP	83	91	0.70	1.14	0.72	1.12	0.73	1.09	0.75	1.07	0.76	1.05	0.78	1.02	0.80	1.00	0.82	0.98	0.84	0.96	0.86	0.94
5390	5391				SUSP	83	90	0.70	1.14	0.71	1.12	0.73	1.09	0.74	1.07	0.76	1.05	0.78	1.02	0.80	1.00	0.81	0.98	0.83	0.96	0.85	0.94
5391	5392				SUSP	83	89	0.68	1.14	0.70	1.12	0.71	1.09	0.73	1.07	0.75	1.05	0.76	1.02	0.78	1.00	0.80	0.98	0.82	0.96	0.84	0.93
5392	5393				STRAIN	111	93	0.74	1.14	0.76	1.12	0.78	1.09	0.79	1.07	0.81	1.05	0.83	1.02	0.85	1.00	0.87	0.98	0.89	0.96	0.91	0.94
5393	5394				SUSP	111	92	0.73	1.14	0.75	1.12	0.76	1.09	0.78	1.07	0.80	1.05	0.81	1.02	0.83	1.00	0.85	0.98	0.87	0.96	0.89	0.93
5394	5435				SUSP	111	133	1.53	1.13	1.56	1.11	1.59	1.09	1.62	1.07	1.65	1.05	1.68	1.03	1.71	1.01	1.74	1.00	1.78	0.98	1.81	0.96
								CONTRACTOR						DESIGNED		Kelly Chang		SP ADSS 11kV LINE - EAST HONIARA						DRAWING NO.			
								CHECKED		James Donald				SK- 13													
								DRAWN		Kelly Chang				ADSS STRINGING CHART						PROJECT NO.							
								CHECKED		James Donald																	
A2	FOR CLIENT REVIEW			KC	JD	KC	JD	IK	12/20	PLOT DATE:				APPROVED		Iqbal Kalsi		LUNGA POWER STATION - HENDERSON SOLAR FARM						SHEET		REV	
A1	FOR CLIENT REVIEW			KC	JD	KC	JD	IK	07/20	SIZE		A3		SCALE		NTS								2 OF 2		A2	
REV	AMENDMENT DETAIL			DESIGN	CHK'D	DRAWN	CHK'D	APP	DATE																		