



VIII GOVERNO CONSTITUCIONAL
MINISTÉRIO DAS FINANÇAS
Comissão Nacional de Aprovisionamento



Engineering, Procurement, and Construction (EPC) for Timor Leste South Submarine Cable System
(TLSSC) (ICB/074/MPO-MTC-2021)

Addendum No. 2
14 September 2021

This Addendum No.2 is issued to amend certain items in the Bidding Document for above cited contract in accordance with ITB 8 of the Bidding Document.

Part of the Bidding Document	As per this Original Bidding Document	As per this Addendum No. 2
Volume 2 (Employer's Technical Requirements)	Refer to Clarification # 1 – Sr. No. 39	The following documents are provided as additional appendices to Volume 2: <ul style="list-style-type: none">• Volume 2 Appendix 1- Route Position List and Straight Line Diagram


Hermingardo Albano Soares
Director CNA

Volume 1- Appendix 1- Route Position List and Straight Line Diagram

System Name: TLSSC

Index	Name	Latitude	Longitude	Azimuth deg	Distance (km)		Slack Surface %	Cable(km)		Event	Cable Type	Depth (m)	Comments
					Between Positions	Cumulative Total		Between Positions	Cumulative Total				
1	BU	11 ° 20.016 ' S	126 ° 38.355 ' E			0.000		0.000		BU		87.0	Bury
				341.9	0.234		0.50%	0.235			DA		
2	A/C 01	11 ° 19.895 ' S	126 ° 38.315 ' E			0.234		0.235		Alter Course		86.0	Bury
				328.1	0.251		0.50%	0.252			DA		
3	A/C 02	11 ° 19.780 ' S	126 ° 38.242 ' E			0.485		0.487		Alter Course		86.0	Bury
				314.3	2.479		0.50%	2.491			DA		
4	EEZ Australia - Timor Leste 2018 Treaty	11 ° 18.841 ' S	126 ° 37.267 ' E			2.964		2.978		Maritime Boundary		85.0	Bury
				314.3	18.058		0.50%	18.149			DA		
5	A/C 03	11 ° 11.996 ' S	126 ° 30.168 ' E			21.022		21.127		Alter Course		82.0	Bury
				328.8	12.266		0.50%	12.328			DA		
6	A/C 04	11 ° 06.306 ' S	126 ° 26.677 ' E			33.289		33.455		Alter Course		91.0	Bury
				336.8	6.243		0.50%	6.274			DA		
7	A/C 05	11 ° 03.193 ' S	126 ° 25.327 ' E			39.531		39.729		Alter Course		96.0	Bury
				348.5	2.931		0.50%	2.946			DA		
8	POL	11 ° 01.635 ' S	126 ° 25.007 ' E			42.462		42.675		Point On Line		100.0	Bury
				348.6	1.574		0.50%	1.582			DA		
9	A/C 06	11 ° 00.798 ' S	126 ° 24.836 ' E			44.037		44.257		Alter Course		108.0	Bury
				357.1	7.099		0.50%	7.135			DA		
10	A/C 07	10 ° 56.952 ' S	126 ° 24.641 ' E			51.136		51.392		Alter Course		103.0	Bury
				9.1	4.158		0.50%	4.179			DA		
11	POL	10 ° 54.725 ' S	126 ° 25.003 ' E			55.294		55.570		Point On Line		100.0	Bury
				9.4	5.146		0.50%	5.172			DA		
12	A/C 08	10 ° 51.971 ' S	126 ° 25.462 ' E			60.440		60.742		Alter Course		102.0	Bury
				22.6	14.616		0.50%	14.689			DA		
13	A/C 09	10 ° 44.652 ' S	126 ° 28.545 ' E			75.056		75.431		Alter Course		106.0	Bury
				11.8	6.479		0.50%	6.511			DA		
14	A/C 10	10 ° 41.212 ' S	126 ° 29.270 ' E			81.534		81.942		Alter Course		114.0	Bury
				14.1	6.461		0.50%	6.493			DA		
15	A/C 11	10 ° 37.812 ' S	126 ° 30.131 ' E			87.995		88.435		Alter Course		150.0	Bury
				358.9	12.623		0.50%	12.687			DA		
16	A/C 12	10 ° 30.966 ' S	126 ° 30.003 ' E			100.619		101.122		Alter Course		327.0	Bury
				352.1	7.853		0.50%	7.892			DA		
17	A/C 13	10 ° 26.747 ' S	126 ° 29.412 ' E			108.471		109.014		Alter Course		422.0	Bury
				6.8	7.517		0.50%	7.555			DA		
18	A/C 14	10 ° 22.697 ' S	126 ° 29.897 ' E			115.989		116.569		Alter Course		473.0	Bury
				17.0	4.857		0.50%	4.881			DA		
19	TR DA / SA	10 ° 20.178 ' S	126 ° 30.676 ' E			120.846		121.450		Transition		500.0	
				17.0	0.000		0.50%	0.000			SA		
20	POL	10 ° 20.178 ' S	126 ° 30.676 ' E			120.846		121.450		Point On Line		500.0	Bury
				17.1	5.058		0.50%	5.083			SA		
21	A/C 15	10 ° 17.555 ' S	126 ° 31.488 ' E			125.903		126.533		Alter Course		550.0	Bury
				14.0	17.852		0.50%	17.942			SA		
22	A/C 16	10 ° 08.158 ' S	126 ° 33.852 ' E			143.756		144.474		Alter Course		874.0	Bury
				8.8	4.881		0.50%	4.905			SA		
23	POL	10 ° 05.542 ' S	126 ° 34.261 ' E			148.636		149.379		Point On Line		1000.0	Bury
				8.8	4.983		2.00%	5.083			SA		
24	A/C 17	10 ° 02.871 ' S	126 ° 34.678 ' E			153.619		154.462		Alter Course		1078.0	Bury
				3.4	8.847		2.00%	9.024			SA		
25	A/C 18	09 ° 58.080 ' S	126 ° 34.963 ' E			162.466		163.486		Alter Course		1221.0	Bury
				17.8	5.074		2.00%	5.175			SA		
26	A/C 19	09 ° 55.460 ' S	126 ° 35.813 ' E			167.539		168.661		Alter Course		1275.0	Bury
				18.7	4.421		2.00%	4.510			SA		
27	TR SA /LWP	09 ° 53.189 ' S	126 ° 36.589 ' E			171.960		173.170		Transition		1500.0	

System Name: TLSSC

Index	Name	Latitude		Longitude		Azimuth deg	Distance (km)		Slack Surface %	Cable(km)		Event	Cable Type	Depth (m)	Comments
							Between Positions	Cumulative Total		Between Positions	Cumulative Total				
						18.7	0.000		2.00%	0.000			LWP		
28	POL	09 ° 53.189 ' S	126 ° 36.589 ' E					171.960			173.170	Point On Line		1500.0	Bury
						18.7	6.885		2.00%	7.023			LWP		
29	A/C 20	09 ° 49.651 ' S	126 ° 37.797 ' E			12.9	10.299		2.00%	10.505		Alter Course		1772.0	Surface Lay
						12.8	6.286		2.00%	6.411			LWP		
30	POL	09 ° 44.204 ' S	126 ° 39.049 ' E					189.144			190.697	Point On Line		2000.0	Surface Lay
						12.8	6.286		2.00%	6.411			LWP		
31	POL	09 ° 40.880 ' S	126 ° 39.813 ' E					195.429			197.109	Point On Line		2500.0	Surface Lay
						12.8	7.965		4.00%	8.284			LWP		
32	A/C 21	09 ° 36.667 ' S	126 ° 40.780 ' E			15.3	18.591		4.00%	19.335		Alter Course		2820.0	Surface Lay
						15.3	12.424		4.00%	12.921			LWP		
33	POL	09 ° 26.941 ' S	126 ° 43.468 ' E					221.986			224.727	Point On Line		2500.0	Surface Lay
						15.3	12.424		4.00%	12.921			LWP		
34	A/C 22	09 ° 20.441 ' S	126 ° 45.263 ' E			28.2	20.159		4.00%	20.965		Alter Course		2000.0	Surface Lay
						39.1	10.860		2.00%	11.077			LWP		
35	A/C 23	09 ° 10.805 ' S	126 ° 50.467 ' E					254.569			258.613	Alter Course		1500.0	Surface Lay
						59.5	9.083		2.00%	9.265			LWP		
36	A/C 24	09 ° 06.232 ' S	126 ° 54.205 ' E					265.429			269.691	Alter Course		1550.0	Surface Lay
						53.2	8.929		2.00%	9.107			LWP		
37	A/C 25	09 ° 03.732 ' S	126 ° 58.477 ' E					274.512			278.956	Alter Course		1550.0	Surface Lay
						50.1	3.820		2.00%	3.897			LWP		
38	A/C 26	09 ° 00.830 ' S	127 ° 02.378 ' E					283.441			288.063	Alter Course		1570.0	Surface Lay
						50.1	0.000		2.00%	0.000			LWP		
39	TR LWP / SA	08 ° 59.500 ' S	127 ° 03.977 ' E					287.261			291.959	Transition		1500.0	
						50.1	0.000		2.00%	0.000			SA		
40	POL	08 ° 59.500 ' S	127 ° 03.977 ' E					287.261			291.959	Point On Line		1500.0	Bury
						51.1	24.949		2.00%	25.448			SA		
41	A/C 27	08 ° 50.997 ' S	127 ° 14.566 ' E					312.210			317.407	Alter Course		1130.0	Bury
						41.1	7.806		2.00%	7.962			SA		
42	A/C 28	08 ° 47.805 ' S	127 ° 17.364 ' E					320.016			325.369	Alter Course		1182.0	Bury
						34.7	6.039		2.00%	6.160			SA		
43	A/C 29	08 ° 45.111 ' S	127 ° 19.238 ' E					326.055			331.530	Alter Course		1170.0	Bury
						22.5	6.904		2.00%	7.043			SA		
44	A/C 30	08 ° 41.651 ' S	127 ° 20.680 ' E					332.960			338.572	Alter Course		1136.0	Bury
						12.6	2.010		2.00%	2.050			SA		
45	POL	08 ° 40.587 ' S	127 ° 20.920 ' E					334.969			340.622	Point On Line		1000.0	Bury
						12.6	6.575		2.00%	6.706			SA		
46	A/C 31	08 ° 37.107 ' S	127 ° 21.702 ' E					341.544			347.328	Alter Course		821.0	Bury
						24.7	9.089		0.50%	9.135			SA		
47	A/C 32	08 ° 32.627 ' S	127 ° 23.772 ' E					350.633			356.463	Alter Course		551.0	Bury
						9.8	1.731		0.50%	1.740			SA		
48	TR SA / DA	08 ° 31.701 ' S	127 ° 23.933 ' E					352.364			358.203	Transition		500.0	
						9.8	0.000		0.50%	0.000			DA		
49	POL	08 ° 31.701 ' S	127 ° 23.933 ' E					352.364			358.203	Point On Line		500.0	Bury
						9.9	6.321		0.50%	6.353			DA		
50	A/C 33	08 ° 28.323 ' S	127 ° 24.525 ' E					358.685			364.555	Alter Course		276.0	Bury
						18.7	3.121		0.50%	3.137			DA		
51	TR DA / SA	08 ° 26.719 ' S	127 ° 25.069 ' E					361.807			367.692	Transition		500.0	
						18.7	0.000		0.50%	0.000			SA		
52	POL	08 ° 26.719 ' S	127 ° 25.069 ' E					361.807			367.692	Point On Line		500.0	Bury
						18.7	1.285		0.50%	1.292			SA		
53	A/C 34	08 ° 26.058 ' S	127 ° 25.293 ' E					363.092			368.984	Alter Course		655.0	Bury
						1.6	3.366		0.50%	3.382			SA		

System Name: TLSSC

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					Between Positions	Cumulative Total		Between Positions	Cumulative Total				
54	A/C 35	08 ° 24.233 ' S	127 ° 25.344 ' E			366.458			372.366	Alter Course	SA	750.0	Bury
				348.4	2.457		0.50%	2.469					
55	A/C 36	08 ° 22.928 ' S	127 ° 25.074 ' E			368.914			374.835	Alter Course	SA	801.0	Bury
				329.1	2.565		0.50%	2.578					
56	A/C 37	08 ° 21.733 ' S	127 ° 24.357 ' E			371.480			377.414	Alter Course	SA	751.0	Bury
				315.7	3.378		0.50%	3.395					
57	A/C 38	08 ° 20.422 ' S	127 ° 23.071 ' E			374.858			380.808	Alter Course	SA	536.0	Bury
				303.4	0.560		0.50%	0.563					
58	POL	08 ° 20.255 ' S	127 ° 22.816 ' E			375.418			381.372	Point On Line	SA	500.0	Bury
				303.4	4.166		0.50%	4.187					
59	POL	08 ° 19.011 ' S	127 ° 20.922 ' E			379.585			385.559	Point On Line	SA	500.0	Bury
				303.3	0.381		0.50%	0.383					
60	A/C 39	08 ° 18.897 ' S	127 ° 20.748 ' E			379.965			385.942	Alter Course	SA	535.0	Bury
				298.9	3.604		0.50%	3.622					
61	POL	08 ° 17.953 ' S	127 ° 19.029 ' E			383.569			389.563	Point On Line	SA	1000.0	Bury
				298.9	2.567		2.00%	2.618					
62	TR SA /LWP	08 ° 17.281 ' S	127 ° 17.805 ' E			386.136			392.182	Transition	LWP	1500.0	
				298.9	0.000		2.00%	0.000					
63	POL	08 ° 17.281 ' S	127 ° 17.805 ' E			386.136			392.182	Point On Line	LWP	1500.0	Bury
				299.0	0.047		2.00%	0.048					
64	A/C 40	08 ° 17.269 ' S	127 ° 17.783 ' E			386.183			392.230	Alter Course	LWP	1511.0	Surface Lay
				288.9	5.057		2.00%	5.158					
65	A/C 41	08 ° 16.378 ' S	127 ° 15.178 ' E			391.240			397.388	Alter Course	LWP	1906.0	Surface Lay
				286.9	1.299		2.00%	1.325					
66	POL	08 ° 16.173 ' S	127 ° 14.501 ' E			392.539			398.713	Point On Line	LWP	2000.0	Surface Lay
				287.0	4.173		4.00%	4.339					
67	POL	08 ° 15.510 ' S	127 ° 12.328 ' E			396.712			403.052	Point On Line	LWP	2500.0	Surface Lay
				287.0	1.162		4.00%	1.209					
68	A/C 42	08 ° 15.325 ' S	127 ° 11.723 ' E			397.874			404.261	Alter Course	LWP	2607.0	Surface Lay
				278.9	7.554		4.00%	7.856					
69	A/C 43	08 ° 14.688 ' S	127 ° 07.659 ' E			405.428			412.117	Alter Course	LWP	2880.0	Surface Lay
				273.1	4.244		4.00%	4.414					
70	POL	08 ° 14.561 ' S	127 ° 05.351 ' E			409.672			416.531	Point On Line	LWP	2500.0	Surface Lay
				273.1	3.511		4.00%	3.652					
71	A/C 44	08 ° 14.458 ' S	127 ° 03.442 ' E			413.183			420.183	Alter Course	LWP	2150.0	Surface Lay
				267.9	2.781		4.00%	2.893					
72	POL	08 ° 14.514 ' S	127 ° 01.928 ' E			415.965			423.075	Point On Line	LWP	2000.0	Surface Lay
				267.9	9.003		4.00%	9.364					
73	A/C 45	08 ° 14.694 ' S	126 ° 57.029 ' E			424.968			432.439	Alter Course	LWP	1615.0	Surface Lay
				262.4	26.420		2.00%	26.948					
74	A/C 46	08 ° 16.595 ' S	126 ° 42.767 ' E			451.388			459.387	Alter Course	LWP	1634.0	Surface Lay
				275.3	6.424		2.00%	6.553					
75	POL	08 ° 16.271 ' S	126 ° 39.284 ' E			457.812			465.940	Point On Line	LWP	2000.0	Surface Lay
				275.3	5.749		4.00%	5.979					
76	A/C 47	08 ° 15.981 ' S	126 ° 36.167 ' E			463.561			471.918	Alter Course	LWP	2500.0	Surface Lay
				283.6	8.998		4.00%	9.358					
77	POL	08 ° 14.830 ' S	126 ° 31.405 ' E			472.558			481.276	Point On Line	LWP	3000.0	Surface Lay
				283.6	4.529		4.00%	4.710					
78	A/C 48	08 ° 14.250 ' S	126 ° 29.008 ' E			477.088			485.986	Alter Course	LWP	3250.0	Surface Lay
				270.9	10.283		4.00%	10.695					
79	A/C 49	08 ° 14.164 ' S	126 ° 23.409 ' E			487.371			496.681	Alter Course	LWP	3310.0	Surface Lay
				262.9	16.286		4.00%	16.937					
80	A/C 50	08 ° 15.259 ' S	126 ° 14.608 ' E			503.657			513.618	Alter Course	LWP	3080.0	Surface Lay

System Name: TLSSC

Index	Name	Latitude	Longitude	Azimuth deg	Distance (km)		Slack Surface %	Cable(km)		Event	Cable Type	Depth (m)	Comments
					Between Positions	Cumulative Total		Between Positions	Cumulative Total				
				255.5	39.241	542.898	4.00%	40.810	554.429	Alter Course	LWP	3557.0	Surface Lay
81	A/C 51	08 ° 20.564 ' S	125 ° 53.909 ' E	252.8	7.252	550.149	4.00%	7.542	561.970	Point On Line	LWP	3500.0	Surface Lay
82	POL	08 ° 21.724 ' S	125 ° 50.135 ' E	252.9	15.280	565.429	4.00%	15.891	577.861	Alter Course	LWP	3303.0	Surface Lay
83	A/C 52	08 ° 24.165 ' S	125 ° 42.180 ' E	249.2	3.385	568.814	4.00%	3.520	581.382	Point On Line	LWP	3000.0	Surface Lay
84	POL	08 ° 24.816 ' S	125 ° 40.456 ' E	249.2	3.145	571.959	4.00%	3.271	584.652	Alter Course	LWP	2600.0	Surface Lay
85	A/C 53	08 ° 25.421 ' S	125 ° 38.854 ' E	240.8	0.527	572.485	4.00%	0.548	585.200	Point On Line	LWP	2500.0	Surface Lay
86	POL	08 ° 25.560 ' S	125 ° 38.603 ' E	240.8	2.570	575.055	4.00%	2.673	587.872	Point On Line	LWP	2000.0	Surface Lay
87	POL	08 ° 26.241 ' S	125 ° 37.382 ' E	240.8	1.060	576.115	4.00%	1.102	588.974	Alter Course	LWP	1800.0	Surface Lay
88	A/C 54	08 ° 26.521 ' S	125 ° 36.878 ' E	237.1	1.521	577.636	2.00%	1.552	590.526	Transition	LWP	1500.0	
89	TR LWP / SA	08 ° 26.970 ' S	125 ° 36.182 ' E	237.1	0.000	577.636	2.00%	0.000	590.526	Point On Line	SA	1500.0	Bury
90	POL	08 ° 26.970 ' S	125 ° 36.182 ' E	237.1	2.221	579.856	2.00%	2.265	592.791	Alter Course	SA	1300.0	Bury
91	A/C 55	08 ° 27.624 ' S	125 ° 35.166 ' E	222.8	3.395	583.252	2.00%	3.463	596.254	Alter Course	SA	1350.0	Bury
92	A/C 56	08 ° 28.975 ' S	125 ° 33.908 ' E	205.1	1.488	584.740	2.00%	1.518	597.772	Point On Line	SA	1000.0	Bury
93	POL	08 ° 29.707 ' S	125 ° 33.565 ' E	205.1	2.063	586.803	2.00%	2.105	599.877	Transition	SA	500.0	
94	TR SA / DA	08 ° 30.721 ' S	125 ° 33.088 ' E	205.1	0.000	586.803	2.00%	0.000	599.877	Point On Line	DA	500.0	Bury
95	POL	08 ° 30.721 ' S	125 ° 33.088 ' E	205.1	1.181	587.985	0.50%	1.187	601.064	Alter Course	DA	289.0	Bury
96	A/C 57	08 ° 31.301 ' S	125 ° 32.815 ' E	200.9	0.797	588.782	0.50%	0.801	601.865	Point On Line	DA	100.0	Bury
97	POL	08 ° 31.705 ' S	125 ° 32.661 ' E	201.0	0.624	589.406	0.50%	0.627	602.492	Point On Line	DA	60.0	Bury
98	POL	08 ° 32.021 ' S	125 ° 32.539 ' E	200.8	0.349	589.755	0.50%	0.351	602.843	Point On Line	DA	40.0	Bury
99	POL	08 ° 32.198 ' S	125 ° 32.471 ' E	200.7	0.185	589.940	0.50%	0.186	603.029	Point On Line	DA	15.0	Cable Lay Vessel Float-in Point Articulated Pipe to End of Seaward Duct
100	POL	08 ° 32.292 ' S	125 ° 32.436 ' E	200.7	0.113	590.052	0.80%	0.113	603.142	Point On Line	DA	0.0	End of Seaward Duct
101	BEACH DUCT LIMIT	08 ° 32.349 ' S	125 ° 32.414 ' E	200.5	0.100	590.153	0.80%	0.101	603.244	Point On Line	DA	0.0	Start of Seaward Duct
102	BEACH ALLOWANCE LIMIT	08 ° 32.400 ' S	125 ° 32.395 ' E	201.7	0.028	590.181	0.80%	0.028	603.272	Beach ManHole	DA	0.0	
103	Proposed Dili BMH	08 ° 32.414 ' S	125 ° 32.389 ' E										

