

ANNEXURE 1: NEA800 PROJECT: LIST OF CABLES/Frames FOR CABLE TRANSIT SYSTEM

BUILDING	OPENING	CABLE TYPE	CONTROL CABLE								INSTRUMENTAION CABLE	POWER CABLE																OPTICAL FIBRE CABLE								SPECIAL CABLES	OTHER AREA CABLES				TOTAL	
												PVC / AI												XLPE/ AI																		
		Cable size (Sq.mm.)	2CX2.5	3CX2.5	5CX2.5	7CX2.5	10CX2.5	14CX2.5	19CX2.5	2PX1.5	8PX1.5	2CX6	4CX6	2CX10	2CX70	2CX95	2CX120	4CX16	3.5CX35	3.5CX70	3.5CX95	3.5CX120	3.5CX150	3.5CX185	1CX150	3.5CX240	3.5CX400	1CX630	AXXI-arm. 4x62.5/125	AXXI-arm. 12x62.5/125	AXXI-arm. 24x62.5/125	Mono Fibre (Patch)	Opto Simplex	Break Out	CAN CABLE	cab for BMS	FF SYSTEM (2CX1.5)	ILLUMINATION	CCTV			
		Cable O.D.	14.0	15.0	17.0	18.0	22.5	24.0	26.0	18.7	32.5	17.0	19.0	18.5	30.0	33.5	35.5	22.5	27.0	34.5	38.0	41.0	45.0	51.0	25.0	58.0	71.0	45.0	<20mm	<20mm	<20mm	<20mm	<20mm	<20mm	<20mm	<20mm	<20mm	<20mm	<20mm			
		ENTRY POINT IDENTIFICATION																																								
MAIN SERVICE BUILDING	G1	POLE 1 AC SIDE	81	7	52	23	0	47	16	47	0	0	0	12	11	21	3	2	16	2	0	0	10	0	0	2	0	0	16	38	6	0	0	0	3	3	8	8	8	8	450	
MAIN SERVICE BUILDING	G2	POLE 2 AC SIDE	81	7	52	23	0	47	16	47	0	0	0	12	11	21	3	2	16	2	0	0	10	0	0	2	0	0	16	38	6	0	0	0	3	3	8	8	8	8	450	
MAIN SERVICE BUILDING	G3	POLE 1 DC SIDE	19	0	29	8	0	34	0	4	0	0	0	37	8	3	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	8	8	8	8	194		
MAIN SERVICE BUILDING	G4	POLE 2 DC SIDE	19	0	29	8	0	34	0	4	0	0	0	37	8	3	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	8	8	8	8	194		
MAIN SERVICE BUILDING	G5	GF, POLE1 CONTROL EQUIPMENT ROOM TO VALVE HALL 1	3	0	6	0	0	3	8	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	26	
MAIN SERVICE BUILDING	G6	GF, POLE2 CONTROL EQUIPMENT ROOM TO VALVE HALL 2	3	0	6	0	0	3	8	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	26	
MAIN SERVICE BUILDING	F1	FF,POLE1 CONTROL & PROTECTION ROOM TOWARDS VALVE HALL-POLE1	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	3	0	0	0	0	0	40	
MAIN SERVICE BUILDING	F2	FF,POLE2 CONTROL & PROTECTION ROOM TOWARDS VALVE HALL-POLE2	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	3	0	0	0	0	0	40	
ADDITIONAL SERVICE BUILDING 3	G1	GF,TOWARDS AC/ DC SWITCHYARD	97	0	30	17	0	56	16	34	0	0	0	24	13	13	3	2	16	2	0	0	10	0	0	2	0	0	21	0	6	0	0	0	0	3	8	8	8	8	397	
ADDITIONAL SERVICE BUILDING 3	G2	GF,LVDC & CHARGER ROOM TOWARDS VALVE HALL-POLE3	3	0	6	0	0	3	8	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	8	0	0	0	37
ADDITIONAL SERVICE BUILDING 3	F1	FF,POLE3 CONTROL EQUIPMENT ROOM TOWARDS VALVE HALL-POLE3	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	3	0	0	0	0	0	40	
ADDITIONAL SERVICE BUILDING 4	G1	GF,TOWARDS AC/ DC SWITCHYARD	97	0	30	17	0	56	16	34	0	0	0	24	13	13	3	2	16	2	0	0	10	0	0	2	0	0	21	0	6	0	0	0	0	3	8	8	8	8	397	
ADDITIONAL SERVICE BUILDING 4	G2	GF,LVDC & CHARGER ROOM TOWARDS VALVE HALL-POLE4	3	0	6	0	0	3	8	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	8	0	0	0	37	
ADDITIONAL SERVICE BUILDING 4	F1	FF,POLE4 CONTROL EQUIPMENT ROOM TOWARDS VALVE HALL-POLE4	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	3	0	0	0	0	0	40	
VALVE COOLING ROOM/ VALVE VENTILATION ROOM/MCC ROOM POLE 1	G1		141	0	0	0	0	0	0	0	0	0	55	4	3	0	0	0	3	0	0	0	3	3	0	0	0	3	0	0	0	0	0	2	3	6	6	6	0	238		
VALVE COOLING ROOM/ VALVE VENTILATION ROOM/MCC ROOM POLE 2	G1		141	0	0	0	0	0	0	0	0	0	55	4	3	0	0	0	3	0	0	0	3	3	0	0	0	3	0	0	0	0	0	2	3	6	6	6	0	238		
VALVE COOLING ROOM/ VALVE VENTILATION ROOM/MCC ROOM POLE 3	G1		141	0	0	0	0	0	0	0	0	0	55	4	3	0	0	0	3	0	0	0	3	3	0	0	0	3	0	0	0	0	0	2	3	6	6	6	0	238		
VALVE COOLING ROOM/ VALVE VENTILATION ROOM/MCC ROOM POLE 4	G1		141	0	0	0	0	0	0	0	0	0	55	4	3	0	0	0	3	0	0	0	3	3	0	0	0	3	0	0	0	0	0	2	3	6	6	6	0	238		
DC HALL VENTILATION ROOM 1	G1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	22		
DC HALL VENTILATION ROOM 2	G1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	22		
DC HALL VENTILATION ROOM 3	G1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	22		
DC HALL VENTILATION ROOM 4	G1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	22		
VALVE HALL 1	G1		0	0	0	11	0	11	0	0	0	0	16	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	8	70		
VALVE HALL 2	G1		0	0	0	11	0	11	0	0	0	0	16	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	8	70		
VALVE HALL 3	G1		0	0	0	11	0	11	0	0	0	0	16	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	8	70		
VALVE HALL 4	G1		0	0	0	11	0	11	0	0	0	0	16	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	8	70		

ANNEXURE 1: NEA800 PROJECT: LIST OF CABLES/FRAMES FOR CABLE TRANSIT SYSTEM

BUILDING	OPENING	CABLE TYPE	CONTROL CABLE								INSTRUMENTATION CABLE		POWER CABLE																OPTICAL FIBRE CABLE							SPECIAL CABLES	OTHER AREA CABLES					TOTAL				
											PVC / Cu		PVC / Al												XLPE/ Al																					
		Cable size (Sq.mm.)								2CX2.5	3CX2.5	5CX2.5	7CX2.5	10CX2.5	14CX2.5	19CX2.5	2PX1.5	8PX1.5	2CX6	4CX6	2CX10	2CX70	2CX95	2CX120	4CX16	3.5CX35	3.5CX70	3.5CX95	3.5CX120	3.5CX150	3.5CX185	1CX150	3.5CX240	3.5CX400	1CX630	AXXI-arm. 4x62.5/125	AXXI-arm. 12x62.5/125	AXXI-arm. 24x62.5/125	Mono Fibre (Patch)	Opto Simplex	Break Out	CAN CABLE	cab for BMS	FF SYSTEM (2CX1.5)	ILLUMINATION	CCTV
		Cable O.D.								14.0	15.0	17.0	18.0	22.5	24.0	26.0	18.7	32.5	17.0	19.0	18.5	30.0	33.5	35.5	22.5	27.0	34.5	38.0	41.0	45.0	51.0	25.0	58.0	71.0	45.0	<20mm	<20mm	<20mm	<20mm	<20mm	<20mm	<20mm	<20mm	<20mm	<20mm	<20mm
		ENTRY POINT IDENTIFICATION																																												
DC HALL 1	G1		3	20	0	3	0	11	0	2	0	0	0	11	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	6	6	6	8	83	
DC HALL 2	G1		3	20	0	3	0	11	0	2	0	0	0	11	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	6	6	6	8	83	
DC HALL 3	G1		3	13	0	3	0	11	0	2	0	0	0	11	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	6	6	6	8	75		
DC HALL 4	G1		3	13	0	3	0	11	0	2	0	0	0	11	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	6	6	6	8	75		
VALVE CONTROL ROOM 1	F1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	6	6	6	0	44			
VALVE CONTROL ROOM 2	F1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	6	6	6	0	44				
VALVE CONTROL ROOM 3	F1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	6	6	6	0	44				
VALVE CONTROL ROOM 4	F1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	0	6	6	6	0	44				
ARB 1	12		0	6	28	4	7	6	7	0	0	3	13	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	98				
ARB 1	23		0	6	28	4	7	6	7	0	0	3	13	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	98				
ARB 1	34		0	6	28	4	7	6	7	0	0	3	13	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	98				
ARB 2	12		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 2	23		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 3	12		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 3	23		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 4	12		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 4	23		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 5	12		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 5	23		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 6	12		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 6	23		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 7	12		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 7	23		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 8	12		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 8	23		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 9	12		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 9	23		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 10	12		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 10	23		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 11	12		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 11	23		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 12	12		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	0	134				
ARB 12	23		0	8	42	6	11	8	10	0	0	4	20	0	0	4	0	0	3	0	0																									