

DWRG Cat'y.	Code	Asset Category/Sub-Category/Type	Year	Qty.	UI	Unit Price	Total
A3		STATION EQUIPMENT					
A3A		POWER TRANSFORMER					
A3A	PT0020	Power Transformer 69/13.8KV, 20MVA, OLTC	2005	1	unit	11,482,462.20	11,482,462.20
							11,482,462.20
A3B		SWITCHGEAR					
A3B		Circuit Breakers					
A3B	CB0010	SF6 Circuit Breaker, 69KV Outdoor, 3-pole, 1250A, 25KA	2005	1	set	980,220.00	980,220.00
A3B	CB0019	SF6 Circuit Breaker, 13.8KV Outdoor, 2000A, 25KA	2005	1	set	449,412.00	449,412.00
A3B	CB0019	SF6 Circuit Breaker, 13.8KV Outdoor, 1200A, 25KA	2005	3	set	440,895.00	1,322,685.00
A3B		Disconnectors					
A3B	DS0010	Disconnectors, 69KV, 1200A, Mounted on bus structure support	2005	1	set	290,440.00	290,440.00
A3B	DS0019	Disconnectors, 13.8KV, 400A, Mounted on bus structure support	2005	3	set	15,000.00	45,000.00
							3,087,757.00
A3C		PROTECTIVE EQUIPMENT					
A3C		Lightning Arrester					
A3C	LA0004	Lightning Arrester, 72KV, Station Class (69KV system voltage)	2005	3	pcs	92,616.00	277,848.00
A3C		Potential Transformer					
A3C	PT0003	Potential Transformer, 69KV, Outdoor	2005	3	pcs	210,300.00	630,900.00
A3C		Current Transformer					
A3C	CT0003	Current Transformer, 69KV	2005	3	pcs	298,358.00	895,074.00
A3C		Protection Schemes/Relays					
A3C	PR0006	69KV Transformer Differential Protection Scheme					
		SACO16D1 (Annunciator)	2005	1	pc	144,178.30	144,178.30
		SPAD346C (Transformer Protection Relay)	2005	1	pc	144,178.30	144,178.30
		SPER 1C1 relay	2005	1	pc	144,178.30	144,178.30
		Lock-out relay	2005	1	pc	23,700.00	23,700.00
A3C	PR0009	SPAF 140C (Frequency Relay)	2005	1	pc	144,178.30	144,178.30
A3C	PR0008	13.8KV Main Feeder Protection					
		SPAJ 140C relay	2005	1	pc	144,178.30	144,178.30

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		13.8 Feeder Protection					
		SPAJ 140C relay	2005	1	pc	144,178.30	144,178.30
		SPAJ 140C relay	2005	1	pc	144,178.30	144,178.30
		SPAJ 140C relay	2005	1	pc	144,178.30	144,178.30
							2,980,948.40
A3D		METERING AND CONTROL					
A3D	MC0005	Distribution Feeder protection, monitoring, measurement and control	2005	1	unit	836,635.70	836,635.70
		Elster Kw-Hr meter (Main 13.8KV)	2005	1	pc	31,500.00	31,500.00
		Elster Kw-Hr meter (Fdr.# 4)	2005	1	pc	31,500.00	31,500.00
		Elster Kw-Hr meter (Fdr.# 5)	2005	1	pc	31,500.00	31,500.00
		Elster Kw-Hr meter (Fdr.# 5)	2005	1	pc	31,500.00	31,500.00
							962,635.70
A3F		OTHER STATION ITEMS					
A3F		Substation Structures	2005	1	lot	2,297,604.55	2,297,604.55
							414,755.00
A3F		Battery/Chargers					
A3F	BC0011	Battery Charger 40A, 120 VDC	2005	1	set	360,445.70	360,445.70
							3,072,805.25

CAPEX 2008				
DWRG Cat'y.	Code	Asset Category/Sub-Category/Type	Qty.	UI
A3		STATION EQUIPMENT		
A3A		POWER TRANSFORMER		
A3A	PT0018	Power Transformer 69/13.8KV, 30/37.5MVA, OLTC	1	unit
A3B		SWITCHGEAR		

Unit Price	Total
30,862,080.00	30,862,080.00

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A6		Lightning Arresters		
A6	LA0009	Lightning Arrester, 12KV, Distribution Class (13.8KV system voltage)	124	pcs
A4		Pole Top Hardware		
A4	PH0006	13.8KV Pole Top Hardware (Transformer Hanger)	57	set
A4	PH0006	13.8KV Pole Top Hardware (Cut-out Hanger)	57	set
A16		METERS, INSTRUMENT & METERING TRANSFORMER (DISTRIBUTION)		
		Low Voltage Secondary Metering		
A16	ME0004	Electronic meter	10	pcs
A16	CT0006	Current Transformer	20	pcs
A16		Metering accessories	10	sets
		High Voltage Primary Metering		
A16	ME0004	Electronic meter	3	pcs
A16	CT0005	Current Transformer	9	pcs
A16	PT0005	Potential Transformer	9	pcs
A16		Metering accessories	3	sets
NON-NETWORK				
B7		LABORATORY EQUIPMENT		
		Load Logger	3	units
		Thermal Scan	1	unit
		PQA (Power Quality Analyzer)	1	unit
		Clamp Meter	1	unit
		Multi-Tester	2	units
		Analog Multi-Tester	3	units

	2,500.00		310,000.00
	3,000.00		171,000.00
	2,500.00		142,500.00
			1,831,020.00
	25,000.00		250,000.00
	3,800.00		76,000.00
	3,500.00		35,000.00
	25,000.00		75,000.00
	40,000.00		360,000.00
	40,000.00		360,000.00
	3,500.00		10,500.00
			1,166,500.00
	42,900.00		128,700.00
	1,900,000.00		1,900,000.00
	380,000.00		380,000.00
	15,500.00		15,500.00
	7,500.00		15,000.00
	2,200.00		6,600.00
			2,445,800.00

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B6		TOOLS SHOP AND GARAGE EQUIPMENT		
		Load buster	1	unit
A2		STRUCTURES AND IMPROVEMENTS (DISTRIBUTION)		
		Power Transformer Pad Foundation	1	lot

		192,500.00		192,500.00
		201,600.00		201,600.00

CAPEX 2009				
DWRG Cat'y.	Code	Asset Category/Sub-Category/Type	Qty.	UI
A3		STATION EQUIPMENT		
A3C		PROTECTIVE EQUIPMENT		
A3C		Protection Schemes/Relays		
A3C	PR0006	Transformer Protection	1	set
A3C	PR0008	Feeder Protection	2	unit
A12		LINE TRANSFORMER (DISTRIBUTION)		
A12	DT0015	DT, 50KVA, 13.8KV-120/240V, 1PH, Pole Mounted	65	units
A12	DT0016	DT, 75KVA, 13.8KV-120/240V, 1PH, Pole Mounted	42	units
A6		Overhead Distribution Devices		
A6	OD0002	Cut-out Fuse, Distribution Type, Rated 15KV	172	pcs
A6		Fuse link	172	pcs
A6	FI0001	Fault Indicator	12	pcs
A6		Switches		
A6	SW0008	Switch, Load Break, 13.8KV, 600A, Remote Controlled	2	units
A6	CR0005	Circuit Recloser, 13.8KV, 600A, 3Phase	2	units

Unit Price	Total
334,357.00	334,357.00
130,163.75	260,327.50
	594,684.50
90,000.00	5,850,000.00
119,000.00	4,998,000.00
	10,848,000.00
2,300.00	395,600.00
198.00	34,056.00
18,839.00	226,068.00
450,000.00	900,000.00
900,000.00	1,800,000.00

MECO PBR "C" project cost detail 2

A16	CT0005	Current Transformer	15	pcs
A16	PT0005	Potential Transformer	15	pcs
A16		Metering accessories	5	sets
A2		STRUCTURES AND IMPROVEMENTS (DISTRIBUTION)		
		Concrete works	1000	lot
		Pedestal structure	2	lot

40,000.00	600,000.00
40,000.00	600,000.00
4,235.00	21,175.00
	1,972,370.00
5,800.00	5,800,000.00
25,000.00	50,000.00
	5,850,000.00

CAPEX 2012				
DWRG Cat'y.	Code	Asset Category/Sub-Category/Type	Qty.	UI
A3		STATION EQUIPMENT		
A3B		SWITCHGEAR		
A3B	CB0019	SF6 Circuit Breaker, 13.8KV Outdoor, 400A, 25KA	2	units
A12		LINE TRANSFORMER (DISTRIBUTION)		
A12	DT0015	DT, 50KVA, 13.8KV-120/240V, 1PH, Pole Mounted	87	units
A12	DT0016	DT, 75KVA, 13.8KV-120/240V, 1PH, Pole Mounted	57	units
A6		Overhead Distribution Devices		
A6	OD0002	Cut-out Fuse, Distribution Type, Rated 15KV	231	pcs
A6		Fuse link	231	pcs
A6		Switches		
A6	SW0008	Switch, Load Break, 13.8KV, 600A, Remote Controlled	2	units

Unit Price	Total
1,048,380.00	2,096,760.00
90,000.00	7,830,000.00
119,000.00	6,783,000.00
	14,613,000.00
2,300.00	531,300.00
261.00	60,291.00
450,000.00	900,000.00

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A16	CT0006	Current Transformer	26	pcs
A16		Metering accessories	13	sets
A16	ME0004	High Voltage Primary Metering		
		Electronic meter	5	pcs
		Current Transformer	15	pcs
		Potential Transformer	15	pcs
		Metering accessories	5	sets
A14		POWER CONDITIONING EQUIPMENT		
A14		Line Capacitor		
A14	LC0007	Capacitor Bank, Line, 600Kvar, 3PH, 13.8KV	6	unit

3,800.00	98,800.00
4,235.00	55,055.00
25,000.00	125,000.00
40,000.00	600,000.00
40,000.00	600,000.00
4,235.00	21,175.00
	1,825,030.00
34,200.00	205,200.00

MECO PBR "C" project cost detail 2