

Detail calculation of cables to be removed in 220KV Yard
(TENTATIVE ONLY)

1	201	Isolator	201-89A	Control Room	1	520	520
			201-89B	Control Room	1	520	520
			201-89C	Control Room	1	520	520
			201-89L	Control Room	1	520	520
		Earth Switch	201 89AE	Control Room	1	520	520
			201-89LE1	Control Room	1	520	520
			201-89LE2	Control Room	1	520	520
		Circuit Breaker	201-52	Control Room	5	520	2600
		Current Transformer	CT	Control Room	5	520	2600
		Isolator	201-89A	BMK (I/L)	1	45	45
			201-89B	BMK (I/L)	1	50	50
			201-89C	BMK (I/L)	1	80	80
			201-89L	BMK (I/L)	1	75	75
		Earth Switch	201-89LE1	BMK (I/L)	1	95	95
			201 89LE2	BMK (I/L)	1	55	55
			201-89AE	BMK (I/L)	1	35	35
		Circuit Breaker	201-52	BMK (I/L)	1	70	70

9345

2	203	Isolator	203-89A	Control Room	1	485	485
			203-89B	Control Room	1	485	485
			203-89C	Control Room	1	485	485
			203-89L	Control Room	1	485	485
		Earth Switch	203 89AE	Control Room	1	485	485
			203-89LE1	Control Room	1	485	485
			203-89LE2	Control Room	1	485	485
		Circuit Breaker	203-52	Control Room	5	485	2425
		Current Transformer	CT	Control Room	5	485	2425
		CVT	203 CVT	Control Room	3	485	1455
		CVT (Coaxial cable)	PLCC	Control Room	1	485	485
		Isolator	201-89A	BMK (I/L)	1	45	45
			201-89B	BMK (I/L)	1	50	50
			201-89C	BMK (I/L)	1	80	80
			201-89L	BMK (I/L)	1	75	75
		Earth Switch	201-89LE1	BMK (I/L)	1	95	95
			201 89LE2	BMK (I/L)	1	55	55
			201-89AE	BMK (I/L)	1	35	35
		Circuit Breaker	201-52	BMK (I/L)	1	70	70

10690

3	204	Isolator	204-89A	Control Room	1	460	460
			204-89B	Control Room	1	460	460
		Earth Switch	204 89AE	Control Room	1	460	460
			204-89BE	Control Room	1	460	460
			204-89 E1 (BUS)	Control Room	1	460	460
			204-89 E2 (BUS)	Control Room	1	460	460
		Circuit Breaker	204-52	Control Room	5	460	2300
		Current Transformer	CT	Control Room	5	460	2300
		Isolator	204-89A	BMK (I/L)	1	65	65
			204-89B	BMK (I/L)	1	65	65
		Earth Switch	204 89AE	BMK (I/L)	1	65	65
			204-89BE	BMK (I/L)	1	65	65
			204-89 E1 (BUS)	BMK (I/L)	1	65	65
			204-89 E2 (BUS)	BMK (I/L)	1	65	65
		Circuit Breaker	204-52	BMK (I/L)	1	65	65

7815

			205-89A	Control Room	1	470	470
--	--	--	---------	--------------	---	-----	-----

4	205	Isolator	205-89B	Control Room	1	470	470
			205-89C	Control Room	1	470	470
		Earth Switch	205 89AE	Control Room	1	470	470
			205-89LE1	Control Room	1	470	470
			205-89LE2	Control Room	1	470	470
		Circuit Breaker	205-52	Control Room	5	470	2350
		Current Transformer	CT	Control Room	5	470	2350
		Isolator	205-89A	BMK (I/L)	1	80	80
			205-89B	BMK (I/L)	1	80	80
			205-89C	BMK (I/L)	1	80	80
		Earth Switch	205-89LE1	BMK (I/L)	1	80	80
			205 89LE2	BMK (I/L)	1	80	80
			205-89AE	BMK (I/L)	1	80	80
		Circuit Breaker	205-52	BMK (I/L)	1	80	80

8080

5	206	Isolator	206-89A	Control Room	1	485	485
			206-89B	Control Room	1	485	485
			206-89C	Control Room	1	485	485
			206-89L	Control Room	1	485	485
		Earth Switch	206 89AE	Control Room	1	485	485
			206-89LE1	Control Room	1	485	485
			206-89LE2	Control Room	1	485	485
		Circuit Breaker	206-52	Control Room	5	485	2425
		Current Transformer	CT	Control Room	5	485	2425
		CVT	206 CVT	Control Room	3	485	1455
		CVT (Coaxial cable)	PLCC	Control Room	1	485	485
		Isolator	201-89A	BMK (I/L)	1	45	45
			201-89B	BMK (I/L)	1	50	50
			201-89C	BMK (I/L)	1	80	80
			201-89L	BMK (I/L)	1	75	75
		Earth Switch	201-89LE1	BMK (I/L)	1	95	95
			201 89LE2	BMK (I/L)	1	55	55
			201-89AE	BMK (I/L)	1	35	35
		Circuit Breaker	201-52	BMK (I/L)	1	70	70

10690

6	207	Isolator	207-89A	Control Room	1	525	525
			207-89B	Control Room	1	525	525
			207-89C	Control Room	1	525	525
			207-89L	Control Room	1	525	525
		Earth Switch	207 89AE	Control Room	1	525	525
			207-89LE1	Control Room	1	525	525
			207-89LE2	Control Room	1	525	525
		Circuit Breaker	207-52	Control Room	5	525	2625
		Current Transformer	CT	Control Room	5	525	2625
		CVT	207 CVT	Control Room	3	525	1575
		CVT (Coaxial cable)	PLCC	Control Room	1	525	525
		Isolator	201-89A	BMK (I/L)	1	45	45
			201-89B	BMK (I/L)	1	50	50
			201-89C	BMK (I/L)	1	80	80
			201-89L	BMK (I/L)	1	75	75
		Earth Switch	201-89LE1	BMK (I/L)	1	95	95
			201 89LE2	BMK (I/L)	1	55	55
			201-89AE	BMK (I/L)	1	35	35
		Circuit Breaker	201-52	BMK (I/L)	1	70	70

11530

		Isolator	208-89A	Control Room	1	525	525
			208-89B	Control Room	1	525	525
			208-89C	Control Room	1	525	525

7	208	Earth Switch	208-89L	Control Room	1	525	525
			208-89AE	Control Room	1	525	525
			208-89LE1	Control Room	1	525	525
			208-89LE2	Control Room	1	525	525
		Circuit Breaker	208-52	Control Room	5	525	2625
		Current Transformer	CT	Control Room	5	525	2625
		CVT	208 CVT	Control Room	3	525	1575
		CVT (Coaxial cable)	PLCC	Control Room	1	525	525
		Isolator	201-89A	BMK (I/L)	1	45	45
			201-89B	BMK (I/L)	1	50	50
			201-89C	BMK (I/L)	1	80	80
			201-89L	BMK (I/L)	1	75	75
		Earth Switch	201-89LE1	BMK (I/L)	1	95	95
			201-89LE2	BMK (I/L)	1	55	55
			201-89AE	BMK (I/L)	1	35	35
		Circuit Breaker	201-52	BMK (I/L)	1	70	70

11530

8	209	Isolator	209-89A	Control Room	1	560	560
			209-89B	Control Room	1	560	560
			209-89C	Control Room	1	560	560
			209-89L	Control Room	1	560	560
		Earth Switch	209-89AE	Control Room	1	560	560
			209-89LE1	Control Room	1	560	560
			209-89LE2	Control Room	1	560	560
		Circuit Breaker	209-52	Control Room	5	560	2800
		Current Transformer	CT	Control Room	5	560	2800
		CVT	209 CVT	Control Room	3	560	1680
		CVT (Coaxial cable)	PLCC	Control Room	1	560	560
		Isolator	201-89A	BMK (I/L)	1	45	45
			201-89B	BMK (I/L)	1	50	50
			201-89C	BMK (I/L)	1	80	80
			201-89L	BMK (I/L)	1	75	75
		Earth Switch	201-89LE1	BMK (I/L)	1	95	95
			201-89LE2	BMK (I/L)	1	55	55
			201-89AE	BMK (I/L)	1	35	35
		Circuit Breaker	201-52	BMK (I/L)	1	70	70

12265

9	210	Isolator	210-89A	Control Room	1	560	560
			210-89B	Control Room	1	560	560
			210-89C	Control Room	1	560	560
			210-89L	Control Room	1	560	560
		Earth Switch	210-89AE	Control Room	1	560	560
			210-89LE1	Control Room	1	560	560
			210-89LE2	Control Room	1	560	560
		Circuit Breaker	210-52	Control Room	5	560	2800
		Current Transformer	CT	Control Room	5	560	2800
		CVT	210 CVT	Control Room	3	560	1680
		CVT (Coaxial cable)	PLCC	Control Room	1	560	560
		Isolator	201-89A	BMK (I/L)	1	45	45
			201-89B	BMK (I/L)	1	50	50
			201-89C	BMK (I/L)	1	80	80
			201-89L	BMK (I/L)	1	75	75
		Earth Switch	201-89LE1	BMK (I/L)	1	95	95
			201-89LE2	BMK (I/L)	1	55	55
			201-89AE	BMK (I/L)	1	35	35
		Circuit Breaker	201-52	BMK (I/L)	1	70	70

12265

			211-89A	Control Room	1	595	595
--	--	--	---------	--------------	---	-----	-----

10	211	Isolator	211-89B	Control Room	1	595	595
			211-89C	Control Room	1	595	595
			211-89L	Control Room	1	595	595
		Earth Switch	211-89AE	Control Room	1	595	595
			211-89LE1	Control Room	1	595	595
			211-89LE2	Control Room	1	595	595
		Circuit Breaker	211-52	Control Room	5	595	2975
		Current Transformer	CT	Control Room	5	595	2975
		CVT	211 CVT	Control Room	3	595	1785
		CVT (Coaxial cable)	PLCC	Control Room	1	595	595
		Isolator	201-89A	BMK (I/L)	1	45	45
			201-89B	BMK (I/L)	1	50	50
			201-89C	BMK (I/L)	1	80	80
			201-89L	BMK (I/L)	1	75	75
		Earth Switch	201-89LE1	BMK (I/L)	1	95	95
			201-89LE2	BMK (I/L)	1	55	55
			201-89AE	BMK (I/L)	1	35	35
		Circuit Breaker	201-52	BMK (I/L)	1	70	70

13000

11	212	Isolator	212-89A	Control Room	1	595	595
			212-89B	Control Room	1	595	595
			212-89C	Control Room	1	595	595
			212-89L	Control Room	1	595	595
		Earth Switch	212-89AE	Control Room	1	595	595
			212-89LE1	Control Room	1	595	595
			212-89LE2	Control Room	1	595	595
		Circuit Breaker	212-52	Control Room	5	595	2975
		Current Transformer	CT	Control Room	5	595	2975
		CVT	212 CVT	Control Room	3	595	1785
		CVT (Coaxial cable)	PLCC	Control Room	1	595	595
		Isolator	201-89A	BMK (I/L)	1	45	45
			201-89B	BMK (I/L)	1	50	50
			201-89C	BMK (I/L)	1	80	80
			201-89L	BMK (I/L)	1	75	75
		Earth Switch	201-89LE1	BMK (I/L)	1	95	95
			201-89LE2	BMK (I/L)	1	55	55
			201-89AE	BMK (I/L)	1	35	35
		Circuit Breaker	201-52	BMK (I/L)	1	70	70

13000

12	213	Isolator	213-89A	Control Room	1	640	640
			213-89B	Control Room	1	640	640
			213-89C	Control Room	1	640	640
			213-89L	Control Room	1	640	640
		Earth Switch	213-89AE	Control Room	1	640	640
			213-89LE1	Control Room	1	640	640
			213-89LE2	Control Room	1	640	640
		Circuit Breaker	213-52	Control Room	5	640	3200
		Current Transformer	CT	Control Room	5	640	3200
		CVT	213 CVT	Control Room	3	640	1920
		CVT (Coaxial cable)	PLCC	Control Room	1	640	640
		Isolator	201-89A	BMK (I/L)	1	45	45
			201-89B	BMK (I/L)	1	50	50
			201-89C	BMK (I/L)	1	80	80
			201-89L	BMK (I/L)	1	75	75
		Earth Switch	201-89LE1	BMK (I/L)	1	95	95
			201-89LE2	BMK (I/L)	1	55	55
			201-89AE	BMK (I/L)	1	35	35
		Circuit Breaker	201-52	BMK (I/L)	1	70	70

13945

13	215	Isolator	215-89A	Control Room	1	670	670
			215-89B	Control Room	1	670	670
			215-89C	Control Room	1	670	670
			215-89L	Control Room	1	670	670
		Earth Switch	215 89AE	Control Room	1	670	670
			215-89LE1	Control Room	1	670	670
			215-89LE2	Control Room	1	670	670
		Circuit Breaker	215-52	Control Room	5	670	3350
		Current Transformer	CT	Control Room	5	670	3350
		Isolator	201-89A	BMK (I/L)	1	45	45
			201-89B	BMK (I/L)	1	50	50
			201-89C	BMK (I/L)	1	80	80
			201-89L	BMK (I/L)	1	75	75
		Earth Switch	201-89LE1	BMK (I/L)	1	95	95
			201 89LE2	BMK (I/L)	1	55	55
			201-89AE	BMK (I/L)	1	35	35
Circuit Breaker	201-52	BMK (I/L)	1	70	70		
							11895
14	400KV BUS	BUS 1 CVT	CVT	Control Room	3	430	1290
		BUS 2 CVT	CVT	Control Room	3	430	1290
							2580