



828 Fort Street Mall, Suite 500 | Honolulu, Hawaii 96813
 Phone: (808)-521-3773 | Fax: (808)-521-3993

PROJECT: SMMH Electrical Upgrade Pha
NUMBER: 22-0205
PREPARED: IK
DATE: 3/15/2022
\$/MH: \$150.00

ELECTRICAL COST ESTIMATE

ITEM (OR FEATURE) DESCRIPTION <i>(Abbreviate if necessary)</i>	MH	Quantity		Material Cost		Labor Cost		Engineering Estimate	
		No. of Units	Units	Unit Cost	Cost	Unit Cost	Cost	Unit Cost	Cost
SUBTOTAL, SHEET 1					\$1,219,745.96				\$2,138,081.86
SUBTOTAL									\$2,138,081.86
OVERHEAD, 15%									\$320,712.28
SUBTOTAL									\$2,458,794.14
PROFIT, 10%									\$245,879.41
SUBTOTAL									\$2,704,673.55
TAXES, 4.17%									\$112,784.89
TOTAL, ELECTRICAL WORK									\$2,817,458.44



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DEMOLITION WORK									
SWITCHBOARD	20.00	2	EA			\$3,000.00	\$6,000.00	\$3,000.00	\$6,000.00
PANELBOARDS	8.33	22.0	EA			\$1,249.95	\$27,498.90	\$1,249.95	\$27,498.90
WIRING	0.73	450	CLF			\$109.05	\$49,072.50	\$109.05	\$49,072.50
CONDUITS	0.03	3500	LF			\$4.50	\$15,750.00	\$4.50	\$15,750.00
CONDUIT SUPPORTS	0.50	30.0	EA	1.49	\$44.70	\$75.00	\$2,250.00	\$76.49	\$2,294.70
TEMPORARY WORK									
#10-4C PORTABLE CABLE	0.80	10.0	CLF	\$600.00	\$6,000.00	\$120.00	\$1,200.00	\$720.00	\$7,200.00
#6-4C PORTABLE CABLE	1.23	15.0	CLF	\$1,200.00	\$18,000.00	\$184.65	\$2,769.75	\$1,384.65	\$20,769.75
#2-4C PORTABLE CABLE	1.78	45.0	CLF	\$2,700.00	\$121,500.00	\$266.70	\$12,001.50	\$2,966.70	\$133,501.50
#4/0-4C PORTABLE CABLE	3.64	22.0	CLF	\$5,800.00	\$127,600.00	\$545.40	\$11,998.80	\$6,345.40	\$139,598.80
CABLE SUPPORTS	1.00	30.0	EA	1.49	\$44.70	\$150.00	\$4,500.00	\$151.49	\$4,544.70
TEMP SWBD, 208V, 800A	200.00	1.0	EA	\$20,000.00	\$20,000.00	\$30,000.00	\$30,000.00	\$50,000.00	\$50,000.00
TEMP DIESEL GEN, 225 Kw	200.00	1.0	EA	\$25,000.00	\$25,000.00	\$30,000.00	\$30,000.00	\$55,000.00	\$55,000.00
GENSET PLATFORM		1	LS						\$10,000.00
TESTING OF GENERATOR / ATS		1.0	LS						\$5,000.00
NEW WORK									
SWITCHGEAR, 277/480 VOLT	105.99	1.0	EA	\$175,682.10	\$175,682.10	\$15,898.35	\$15,898.35	\$191,580.45	\$191,580.45
SWITCHGEAR, 208/120 VOLT	88.89	1.0	EA	\$166,933.80	\$166,933.80	\$13,333.20	\$13,333.20	\$180,267.00	\$180,267.00
TRANSFORMER, 3 PHASE, 480/208V	76.92	1.0	EA	\$40,585.20	\$40,585.20	\$11,538.45	\$11,538.45	\$52,123.65	\$52,123.65
PANELBOARDS	28.57	22	EA	\$3,465.00	\$76,230.00	\$4,285.65	\$94,284.30	\$7,750.65	\$170,514.30
METER AND SOCKET	13.00	1.0	EA	\$1,947.00	\$1,947.00	\$1,950.00	\$1,950.00	\$3,897.00	\$3,897.00
CONDUIT SUPPORTS	1.00	50.0	EA	1.49	\$74.50	\$150.00	\$7,500.00	\$151.49	\$7,574.50
#12 WIRE, COPPER, THWN-THHN	0.73	300.0	CLF	\$16.57	\$4,971.00	\$109.05	\$32,715.00	\$125.62	\$37,686.00
#10 WIRE, COPPER, THWN-THHN	0.80	200.0	CLF	\$21.25	\$4,250.40	\$120.00	\$24,000.00	\$141.25	\$28,250.40
#6 WIRE, COPPER, THWN-THHN	1.23	72.0	CLF	\$73.26	\$5,274.72	\$184.65	\$13,294.80	\$257.91	\$18,569.52
#2 WIRE, COPPER, THWN-THHN	1.78	60.0	CLF	\$175.56	\$10,533.60	\$266.70	\$16,002.00	\$442.26	\$26,535.60
#4/0 WIRE, COPPER, THWN-THHN	3.64	160.0	CLF	\$580.80	\$92,928.00	\$545.40	\$87,264.00	\$1,126.20	\$180,192.00
350 KCMIL WIRE, COPPER, THWN-THHN	4.44	30.0	CLF	\$778.80	\$23,364.00	\$666.60	\$19,998.00	\$1,445.40	\$43,362.00
500 KCMIL WIRE, COPPER, THWN-THHN	5.00	116.0	CLF	\$1,221.00	\$141,636.00	\$750.00	\$87,000.00	\$1,971.00	\$228,636.00
EMT, 1" DIAMETER	0.12	900.0	LF	\$5.13	\$4,617.00	\$18.45	\$16,605.00	\$23.58	\$21,222.00
EMT, 2.5" DIAMETER	0.23	1000.0	LF	\$17.16	\$17,160.00	\$34.35	\$34,350.00	\$51.51	\$51,510.00
EMT, 4" DIAMETER	0.40	900.0	LF	\$28.38	\$25,542.00	\$60.00	\$54,000.00	\$88.38	\$79,542.00
PVC 1" DIAMETER	0.06	1500.0	LF	\$2.72	\$4,080.00	\$9.60	\$14,400.00	\$12.32	\$18,480.00
PVC 2.5" DIAMETER	0.12	3000.0	LF	\$6.06	\$18,180.00	\$18.45	\$55,350.00	\$24.51	\$73,530.00
PVC 4" DIAMETER	0.18	2200.0	LF	\$10.63	\$23,386.00	\$26.70	\$58,740.00	\$37.33	\$82,126.00
J-BOX, NEMA1, 6" W X 6" H X 4" D	1.00	12.0	EA	\$17.16	\$205.92	\$150.00	\$1,800.00	\$167.16	\$2,005.92
J-BOX, NEMA 1, 8" L X 8" W X 4" D	1.54	1.0	EA	\$42.24	\$42.24	\$230.70	\$230.70	\$272.94	\$272.94
J-BOX, NEMA1, 24" W X 24" H X 8" D	2.67	1.0	EA	\$223.08	\$223.08	\$400.05	\$400.05	\$623.13	\$623.13
J-BOX, NEMA 1, 30" L X 30" W X 8" D	4.00	1.0	EA	\$792.00	\$792.00	\$600.00	\$600.00	\$1,392.00	\$1,392.00
J-BOX, NEMA 4X, 8" L X 8" W X 4" D	3.20	2.0	EA	\$547.80	\$1,095.60	\$480.00	\$960.00	\$1,027.80	\$2,055.60
J-BOX, NEMA 4X, 12" L X 12" W X 6" D	3.48	7.0	EA	\$1,003.20	\$7,022.40	\$521.70	\$3,651.90	\$1,524.90	\$10,674.30
J-BOX, NEMA 4X, 18" L X 18" W X 8" D	11.43	2.0	EA	\$1,500.00	\$3,000.00	\$1,714.35	\$3,428.70	\$3,214.35	\$6,428.70
J-BOX, NEMA 4X, 24" L X 24" W X 8" D	20.00	6.0	EA	\$1,800.00	\$10,800.00	\$3,000.00	\$18,000.00	\$4,800.00	\$28,800.00
J-BOX, NEMA 4X, 30" L X 30" W X 8" D	24.00	5.0	EA	\$2,200.00	\$11,000.00	\$3,600.00	\$18,000.00	\$5,800.00	\$29,000.00
WALL PENETRATIONS		1.0	LS						\$5,000.00
CONCRETE EQUIPMENT PAD		2	EA	\$7,500.00	\$15,000.00			\$7,500.00	\$15,000.00
SAWCUT/TRENCH/BACKFILL		1	LS	\$15,000.00	\$15,000.00			\$15,000.00	\$15,000.00
SUBTOTAL, SHEET 1					\$1,219,745.96				\$2,138,081.86