



R.A ENGINEERING (Pvt.) Ltd.

Mr. Osama

M/s. AL KARAM TOWEL

KARACHI

SUB: SUPPLY & INSTALLATION OF PANELS WITH MODIFICATION WORK

Dear Sir,

With reference to your query, attached please find the quotation for the subject project

NOTES:

- 1) Components will be as per attached component list.
- 2) Our offer is valid for 05 days, beyond the validity, M/s. R.A Engineering. reserves the right to review / revise the quotation.
- 3) Delivery / transportation will be Ex-Factory Karachi.
- 4) Above Prices are exclusive of Sales Tax.**
- 5) Our offer is for only Supply, Installation and Commissioning mentioned in SOP.
- 6) If delivery is not taken within 10 days after notification / intimation of readiness, extra charges will be applicable.
- 7) Our offer is subject to the Force-Majure.
- 8) Our offer is based on Current US Dollar rate if Dollar rate change our Quotation will be revised accordingly.

MODE OF PAYMENT:

70% advance alongwith order.
30% before delivery.

DELIVERY:

Delivery will be decided at the time of placement.

Best Regards.

Waqas Ghauri

(Assistant Manager)

0301-8224498

M HAMZA

(Electrical Engineer)

Schedule Of Prices

CLIENT: AL KARAM TOWEL

PROJECT: M/S Supply of PANELS FOR AL KARAM TOWEL

S.No.	Description	Qty	Rate (Rs)	Amount(Rs)
1	SUPPLY OF NEW 3200A BREAKER, COPPER MAIN BUS AND LINKS IN EXISTING PANEL	1	2,426,254	2,426,254
2	4000A ACB TP ABB BUYBACK AFTER CHECKING CONDITION	1	500,000	500,000
Total				1,926,254
2	SUPPLY OF 3200A AUTO PHASE REVERSAL PANEL	1	6,277,575	6,277,575
3	SUPPLY & INSTALLATION OF 900KVAR PFI	1	3,745,898	3,745,898
Total				10,023,473
Net Total (Excl GST)				11,949,727
Eleven Million Nine Hundred Forty Nine Thousand Seven Hundred Twenty Seven Rupees only				

Service Charges

S.No.	Description	Qty	Rate (Rs)	Amount(Rs)
1	INSTALLATION OF BREAKER	1	70,000	70,000
2	PANEL MODIFICATION, REPLACEMENT OF BREAKER AND BUS BAR MODIFICATION IN EXISTING LT	1	180,000	180,000
Net Total (Excl GST)				250,000
Two Hundred Fifty Thousand Rupees only				

COMPONENTS COSTING AS PER PROVIDED DETAILS

S.No	DESCRIPTION	RATING		MAKE	QTY
		AMP	SC		
1	SUPPLY OF NEW 3200A BREAKER, COPPER MAIN BUS AND LINKS IN EXISTING PANEL INCOMING FROM K.E 1				
	ACB TP (ADJ.)	3200A	100kA	ABB	1
	MOTOR MECHANISM 220V AC			ABB	1
	UVT			ABB	1
	SHUNT OPENING			ABB	1
	SHUNT CLOSING			ABB	1
	CTs	3200/5A		METLEX	3
	PHASE INDICATION LIGHTS (R/Y/B)			S.A./CAMSCO	3
	CONTROL MCB / FUSE + BASE	2A		CAMSCO / HIMEL	6
	BUSBAR PER PHASE + NEUTRAL	1X100 X 5	SERVICES	LOVATA	4
	BUSBAR EARTH	80 X 05	SERVICES	LOVATA	1
2	SUPPLY OF 3200A AUTO PHASE REVERSAL PANEL				
	ACB TP(ADJ.)	3200A	100kA	ABB	2
	UVT	220VAC		ABB	2
	SHUNT OPENING	220VAC		ABB	2
	SHUNT CLOSING	220VAC		ABB	2
	MOTOR MECHANISM	220VAC		ABB	2
	CTs			FICO/METALEX	3
	ENERGY ANALYZER	220VAC	R/Y/B	CIRCUTOR / EQU	1
	PHASE INDICATION LIGHTS (R/Y/B)	2A		CAMSCO / HIMEL	3
	CONTROL MCB / FUSE + BASE	3200/5A		CAMSCO / HIMEL	3
	CONTROL SECTION:				
	EVR RELAY			INTER/EQU.	1
	TIMER WITH BASE			AUTONICS/ EQU.	2
	INDICATION LIGHTS (NORMAL G)	220VAC		CAMSCO / HIMEL	1
	INDICATION LIGHTS (ABNORMAL R)	220VAC		CAMSCO / HIMEL	1
	CONTROL MCB / FUSE + BASE	2A		CAMSCO / HIMEL	2
	PHASE SEQUENCE RELAY			EMIREL/EQU.	1
	CONTROL RELAY WITH BASE			PHOENIX	1
	THERMOSTATE RELAY			IMPORTED	1
	EXHAUST FAN WITH FILTER			IMPORTED	2
3	SUPPLY & INSTALLATION OF 900KVAR PFI				
	ACB TP	1600A	100kA	OWNER PROVIDED	1
	CTs	3200/5A		METLEX	1
	12 STAGE PFI RELAY			OWNER PROVIDED	1
	3 X 50KVAR = 150 KVAR (3 VARIABLE STAGE)				
	POWER FACTOR CAPACITOR @ 415VAC	50KVAR		OWNER PROVIDED	3
	MAGNETIC CONTACTOR TP @ AC-3	105A		OWNER PROVIDED	3
	MCCB TP	100A	25kA	OWNER PROVIDED	3
	6 X 25KVAR = 150 KVAR (3 VARIABLE STAGE)				
	POWER FACTOR CAPACITOR @ 415VAC	25KVAR		OWNER PROVIDED	5
	POWER FACTOR CAPACITOR @ 415VAC	25KVAR		NOKIAN	1
	MAGNETIC CONTACTOR TP @ AC-3	50A		FUJI / EQU.	6
	MCCB TP	50A	25kA	TERASAKI	6
	6x100KVAR=600KVAR (6 VARIABLE STAGE):				
	POWER FACTOR CAPACITOR @ 415VAC	50KVAR		NOKIAN	12
	MAGNETIC CONTACTOR TP @ AC-3	105A		FUJI / EQU.	12
	MCCB TP	100A	25kA	TERASAKI	12
	MANUAL - OFF - AUTO SWITCH		G/R	CAMSCO	12
	ON/OFF PUSH BUTTON (G/R)			S.A./CAMSCO	24
	ON/OFF INDICATION LIGHT (G/R)	2A	2A/5	CAMSCO / HIMEL	24
	CONTROL MCB / FUSE + BASE			EMAS	3
	THERMOSTATE RELAY			IMPORTED	2
	EXHAUST FAN WITH FILTER			IMPORTED	3