

# KARACHI METROPOLITAN CORPORATION

ENGINEERING DEPARTMENT

ANNUAL DEVELOPMENT PROGRAMME



Tender Reference No. KMC/CM/ED/104/2014-15

## **BILL OF QUANTITIES**

DEVELOPMENT OF OIL TANKER PARKING TERMINAL AT  
ZULFIQARABAD PHASE-II (ELECTRICAL WORKS) (BUILDING SERVICE  
AREAS & BUILDING BLOCKS, WATER TANK, BANKS ETC.)

**NOTE:**

The condition of Contract will be available on K.M.C. Website ([www.karachicity.gov.pk](http://www.karachicity.gov.pk)).

Estimate Cost: -	Rs. 58.238 Million
Bid Security: -	Rs. 1.165 Million
Tender Cost: -	Rs. 3,000/-

**KARACHI METROPOLITAN CORPORATION  
ENGINEERING DEPARTMENT**

**Subject: DEVELOPMENT OF OIL TANKER PARKING TERMINAL AT ZULFIQARABAD PHASE-II (ELECTRICAL WORKS) (BUILDING SERVICE AREAS & BUILDING BLOCKS, WATER TANK, BANKS ETC.)**

**Estimated Cost:- Rs.58.238 Million**

**Bid Security :- Rs. 1.165 Million**

**Tender Cost: - Rs.3000/-**

**ELECTRICAL WORK**  
**PART – A (Items Based on S/R)**

SN	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Excavation and Back Filling at a depth upto 3-Feet.	115310.00	CFT	10.00	1153100.00
2	Point Wiring with 3x1.5mm PVC copper conductor while one wire as ECC for fan, light, bell in ¾" dia PVC pipe recessed in the wall complete as required. (Office, Bank, Electric Room).	750.00	No.	1380.00	1035000.00
3	Circuit Wiring with 3x2.5mm PVC copper conductor while one wire as ECC for fan, light, bell in ¾" dia PVC pipe recessed in the wall complete as required.	107.00	No.	1800.00	192600.00
4	Half Point with 2x1.5mm PVC copper conductor for multi-purpose use.	50.00	No.	1200.00	60000.00
5	Power plug point with 2x2.5mm PVC copper conduction while one wire as ECC I/C 3 pin power plug with back box complete as required.	50.00	No.	1200.00	60000.00
6	Same as Item No.4 but 5 pin light plug including light plug and back box.	50.00	No.	1200.00	60000.00
7	P/F of ceiling Fan 56" size with dimmer and back box complete as required.	70.00	No.	3185.00	222950.00
8	P/F of Fan hook to hang the fan in proper alignment complete as required.	70.00	No.	400.00	28000.00
9	P/F of Energy Saver Lamp (24/23 Watt thread type with holder complete as required (Philips make)	700.00	No.	400.00	280000.00
10	Providing and Fixing of <b>M.S. Tubular Pole</b> as per following specification to be fixed on pre-cast foundation with the help of hydraulic crane and manual labour. 6MTR (6" Dia) x 3 MTR (5" Dia) x 3 MTR (4" Dia)=40-ft. Wall thickness 8 SWG. Base Plate 18"x18"3/4". Hole 4 Nos. stiffeners 4 Nos. 9-1/2"x4-1/2"x1/2". Making window in the pole required size with LN Key provision. Two coats redoxide (2 Coats) as rust preventive and of required oil paint (2 coat) as per site requirement and instruction of Engineer Incharge.	25.00	Each	37797.00	944925.00
11	Construction of RCC foundation as per following specification and instruction of Engineer Incharge for 31-Ft / 40-Ft long Tubular pole. Excavation of Soft / Hard soil 3'x3'x5.5 FT. Stone soiling 3'x3'x6" making lean in the ratio 1:4:8 Length of MS bolts 6-1/2'(3/4" Dia) 4 Nos. and making thread on MS rod. Template 16"x16"x1/4". Rings ¼" Dia round bar 4 Nos. to the Welded with MS rod. RCC foundation ratio 1:2:4 with appropriate size 2'x2'x6.5'.	25.00	No.	15168.00	379200.00

SN	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
12	Supply and Installation of 2000 Watts, Philips Make Arena Vision flood light with lamp and gear components, Aiming at the height of site requirement & complete in all respect.	93.00	No./Job	148360.00	13797480.00
13	Earthing set as per Pak DWD specification with inspection chamber, copper plate / rod 2x8 SWG copper conductor, G.I. pipe 1" Dia and charcoal mixture depth of pit upto 1.2' complete as required.	2.00	No.	30000.00	60000.00
14	P/F cable copper conductor as per following specifications.				
a)	4/C Cable 16mm <sup>2</sup> PVC / SWA	4850.00	Mtr.	1679.00	8143150.00
b)	S/C Cable 4mm <sup>2</sup> PVC / PVC	450.00	Mtr.	147.00	66150.00
c)	Two Core Cable 2.5mm <sup>2</sup> PVC / PVC	450.00	Mtr.	118.00	53100.00
d)	4/C Cable 16mm PVC / PVC	430.00	Mtr.	1300.00	559000.00
e)	4/C Cable 10mm PVC / PVC	370.00	Mtr.	792.00	293040.00
f)	Two Core Cable 6mm PVC / PVC	370.00	Mtr.	233.00	86210.00
15	Switches and sockets as per following specification. P/F of Gang switches as per following specification and requirement with back box.				
i)	One Gang	20.00	No.	450.00	9000.00
ii)	Two Gang	25.00	No.	550.00	13750.00
iii)	Three Gang	18.00	No.	600.00	10800.00
iv)	Four Gang	25.00	No.	700.00	17500.00
v)	Five Gang	20.00	No.	750.00	15000.00
vi)	Six Gang	30.00	No.	950.00	28500.00
vii)	Eight Gang	50.00	No.	1200.00	60000.00
viii)	Fan Dimmer	60.00	No.	1000.00	60000.00
ix)	Light Plug Socket 5 Pin Type.	50.00	No.	550.00	27500.00
x)	Power Plug Socket 3 Pin Type.	50.00	No.	850.00	42500.00
16	Supply and installation of Main Panel Fabricated with 16 SWG thick MS sheet wall mounting powder coated consisting of the following components: Incoming: a) 1-250 Amps TP MCCB b) 7-100 Amps TP MCCB c) 1-Volt Meter with VSS d) 5-Amps ammeter 3Q with ASS e) 3-250/5 APs CTs f) 4-Copper Bus Bars 250 Amps (Set) g) 3-Phase Indication Lamp h) Set of CTs 250/5 Amp	1.00	No.	110000.00	110000.00
17	Supply and Installation of DB Fabricated with 16 SWG thick MS Sheet wall mounting powder coated consisting of the following components: a) 1-80 Amps TP MCCB b) 7-20 Amps SP MCCB c) 6-10 Amps SP MCCB d) Set of Indication Lamp e) Internal Wiring f) Housing as per accessories	1.00	Job	27400.00	27400.00

SN	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
18	Supply and Installation of DB Fabricated with 16 SWG thick MS Sheet wall mounting powder coated consisting of the following components: a) 1-200 Amps TP MCCB b) 6-100 Amps SP MCCB c) 1-Volt Meter with VSS d) 5-Amps ammeter 3Q with ASS e) 3-250/5 APs CTs f) 4-Copper Bus Bars 250 Amps (Set) g) 3-Phase Indication Lamp h) Set of CTs 250/5 Amp	1.00	No.	80000.00	80000.00
19	P/F Ceiling rose with cover plate.	80.00	Nos.	72.00	5760.00
20	Pipes and Fittings. a) P/F of G.I./PVC pipe as per following specification. i) 2" Dia GI j) 2" Dia PVC (Corogated)	100.00 100.00	Mtr Mtr	950.00 150.00	95000.00 15000.00
21	Cable termination / connection, testing and commissioning 4-Core/3-Core/3-1/2 Core PVC / armoured at both ends inside the junction box with suitable 4x100 Amps PVC connector complete in all respect as required.	25.00	Job	500.00	12500.00
22	Supply and Installation of Lighting Head Frame fabricated with MS Pipe, Angle Iron to Accommodate 3 Nos. of Arena Vision 2000 Watt light fixtures and Ballast. The head frame shall be epoxy painted, primer coats, the job i/c the sand blasting complete with all hard wares required at Site.	25.00	Job	5000.00	125000.00
23	Providing & Laying 9(Main or sub Main) PVC insulated & PVC insulated & PVC sheeted four core armoured copper conductor 600/1000 volts size 35mm <sup>2</sup> i/c sand & tiles as required.	950.00	Mtr	4074.00	3870300.00
24	Providing & Laying 9(Main or sub Main) PVC insulated & PVC insulated & PVC sheeted four core armoured copper conductor 600/1000 volts size 120mm <sup>2</sup> i/c sand & tiles as required.	1950.00	Mtr	10150.00	19792500.00
25	Providing & Laying 9(Main or sub Main) PVC insulated & PVC insulated & PVC sheeted four core armoured copper conductor 600/1000 volts size 70mm <sup>2</sup> i/c sand & tiles as required.	200.00	Mtr	7400.00	1480000.00
26	Providing & Laying 9(Main or sub Main) PVC insulated & PVC insulated & PVC sheeted four core armoured copper conductor 600/1000 volts size 50mm <sup>2</sup> i/c sand & tiles as required.	200.00	Mtr	5500.00	1100000.00
27	Jointing work 120mm unarmoured cable with complete jointing kit (RAYCHEM) excavation hard/soft soil 3-Ft deep and 2-Ft. Wide etc complete in all respect as per site requirement and instruction of Engineer Incharge.	10.00	Job	12000.00	120000.00
28	M/P/Installation the distribution board alongwith locking arrangement made from Ms. Sheet 16 SWG. The Size of the box should be as per installed accessories. The board should be as powder coated, water proof and dust proof with ICI primer coat. After fixing the following electric accessories <b>(for retiring room)</b> . 30 Amps T.P. MCCB (Tersaski/LG/Mueller) 01 No. 10 Amps S.P. MCB (Tersaski/LG/Mueller) 60 Nos. Set Indication Lamp as required	5.00	Job	45000.00	225000.00

SN	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
29	M/P/Installation the distribution board alongwith locking arrangement made from Ms. Sheet 16 SWG. The Size of the box should be as per installed accessories. The board should be as powder quoted, water proof and dust proof with ICI primer coat. After fixing the following electric accessories <b>(for banks)</b> . 30 Amps T.P. MCCB (Tersaski/LG/Muiller) 01 No. 16 Amps S.P. MCB (Tersaski/LG/Muiller) 06 Nos. 10 Amps S.P. MCB (Tersaski/LG/Muiller) 05 Nos. Set Indication lamp as required	8.00	Job	65000.00	520000.00
30	M/P/Installation the distribution board alongwith locking arrangement made from Ms. Sheet 16 SWG. The Size of the box should be as per installed accessories. The board should be as powder quoted, water proof and dust proof with ICI primer coat. After fixing the following electric accessories <b>(for Shops)</b> . 30 Amps S.P. MCB (Tersaski/LG/Muiller) 01 No. 10 Amps S.P. MCB (Tersaski/LG/Muiller) 02 Nos. Set Indication lamp as required	27.00	Job	32000.00	864000.00
31	M/P/Installation the distribution board alongwith locking arrangement made from Ms. Sheet 16 SWG. The Size of the box should be as per installed accessories. The board should be as powder quoted, water proof and dust proof with ICI primer coat. After fixing the following electric accessories <b>(for retiring room)</b> . 30 Amps S.P. MCB (Tersaski/LG/Muiller) 01 No. 10 Amps S.P. MCB (Tersaski/LG/Muiller) 02 Nos. Set Indication lamp as required	50.00	Job	32000.00	1600000.00
32	M/P/Installation the distribution board alongwith locking arrangement made from Ms. Sheet 16 SWG. The Size of the box should be as per installed accessories. The board should be as powder quoted, water proof and dust proof with ICI primer coat. After fixing the following electric accessories <b>(for Clinic)</b> . 30 Amps S.P. MCB (Tersaski/LG/Muiller) 01 No. 20 Amps S.P. MCB (Tersaski/LG/Muiller) 02 Nos. 10 Amps S.P. MCB (Tersaski/LG/Muiller) 02 Nos. Set Indication lamp as required	5.00	Job	35000.00	175000.00
33	M/P/Installation the distribution board alongwith locking arrangement made from Ms. Sheet 16 SWG. The Size of the box should be as per installed accessories. The board should be as powder quoted, water proof and dust proof with ICI primer coat. After fixing the following electric accessories <b>(for Mosque)</b> . 30 Amps S.P. MCB (Tersaski/LG/Muiller) 01 No. 10 Amps S.P. MCB (Tersaski/LG/Muiller) 05 Nos. Set Indication lamp as required	1.00	Job	12500.00	12500.00

SN	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
34	M/P/Installaticn the distribution board alongwith locking arrangement made from Ms. Sheet 16 SWG. The Size of the box should be as per installed accessories. The board should be as powder. quoted, water proof and dust proof with ICI primer coat. After fixing the following electric accessories <b>(for Service Station)</b> . 30 Amps T.P. MCCB (Tersaski/LG/Muiller) 01 No. 20 Amps S.P. MCB (Tersaski/LG/Muiller) 06 Nos. 10 Amps S.P. MCB (Tersaski/LG/Muiller) 05 Nos. Set Indication lamp as required	10.00	Job	25000.00	250000.00
<b>SUB-TOTAL (PART-A)</b>					<b>58238415.00</b>

Signature of the Bidder with Stamp

## Bidding Data

This section should be filled in by the Engineer / Procuring Agency before issuance of the Bidding Documents).

- ) Name of Procuring Agency: Karachi Metropolitan Corporation (KMC).
- ) Brief Description of Work: DEVELOPMENT OF OIL TANKER PARKING TERMINAL AT ZULFIQARABAD PHASE-II (ELECTRICAL WORKS) (BUILDING SERVICE AREAS & BUILDING BLOCKS, WATER TANK, BANKS ETC.)
- ) Procuring Agency Address: 4<sup>th</sup> Floor Civic Centre, Engineering Department, KMC, Karachi.
- ) Estimated Cost: Rs.58.238 Million
- ) Amount of Bid Security: Rs. 1.165 Million
- ) Period of Bid Validity (days): 120 Days
- ) Security Deposit (i/c bid security): 10% of Quoted Amount
- ) Percentage, if any, to be deducted from bills: 5% to be deducted from Running Bills.
- ) Deadline for submission of bid along with time: As per NIT
- ) Venue, Time and date of bid opening: Office of the Chief Engineer (E&M), KMC situated at 4<sup>th</sup> Floor, Civic Centre Gulshan-e-Iqbal Karachi, on 10-11-2015 at 2:30 PM.
- ) Liquidity damages: Rs.3,000/- per day
- ) Deposit Receipt No, Date & Amount:

# KARACHI METROPOLITAN CORPORATION

ENGINEERING DEPARTMENT

ANNUAL DEVELOPMENT PROGRAMME



Tender Reference No. KMC/CM/ED/105/2014-15

## **BILL OF QUANTITIES**

REHABILITATION AND MAINTENANCE OF FLOOD LIGHTING SYSTEM  
OF PEOPLE PLAY GROUND KMC

**NOTE:**

The condition of Contract will be available on K.M.C. Website ([www.karachicity.gov.pk](http://www.karachicity.gov.pk)).

Estimate Cost: -	Rs. 9.497 Million
Bid Security: -	Rs. 0.190 Million
Tender Cost: -	Rs. 3,000/-



SN	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
15	P/F of Energy Saver 24 Watts with threads holder, round block PVC (Philips make or Equivalent) complete in as respect.	30.00	Job	350.00	10500.00
16	P/F of Energy Saver 11 Watts with threads holder, round block PVC (Philips make or Equivalent) complete in as respect.	50.00	No.	175.00	8750.00
17	P/F of Tube Rod 40 Watts Philips / Sogo at the height of Site requirement and as per instruction of E.I.	30.00	No.	200.00	6000.00
18	P/F of Chowk 40 Watts Philips / Sogo at the height of Site requirement and as per instruction of E.I.	30.00	No.	300.00	9000.00
19	P/F of Door Lock Medium Size (China Make) as per site requirement and as per instruction of E.I.	30.00	No.	600.00	18000.00
20	Providing and Fixing Power Plug 30 Amps as per approval of site Engineer Incharge Complete in all respect as required	5.00	No.	500.00	2500.00
<b>SUB-TOTAL (PART-A)</b>					<b>9497320.00</b>

Signature of the Bidder with Stamp

## Bidding Data

(This section should be filled in by the Engineer / Procuring Agency before issuance of the Bidding Documents).

- a) Name of Procuring Agency: Karachi Metropolitan Corporation (KMC).
- b) Brief Description of Work: REHABILITATION AND MAINTENANCE OF FLOOD LIGHTING SYSTEM OF PEOPLE PLAY GROUND KMC.
- c) Procuring Agency Address: 4<sup>th</sup> Floor Civic Centre, Engineering Department, KMC, Karachi.
- d) Estimated Cost: Rs.9.497 Million
- e) Amount of Bid Security: Rs. 0.190 Million
- f) Period of Bid Validity (days): 120 Days
- g) Security Deposit (i/c bid security): 10% of Quoted Amount
- h) Percentage, if any, to be deducted from bills: 5% to be deducted from Running Bills.
- i) Deadline for submission of bid along with time: As per NIT
- j) Venue, Time and date of bid opening: Office of the Chief Engineer (E&M), KMC situated at 4<sup>th</sup> Floor, Civic Centre Gulshan-e-Iqbal Karachi, on 10-11-2015 at 2:30 PM.
- k) Liquidity Damages: Rs.3,000/- per day
- l) Deposit Receipt No. Date & Amount:

# KARACHI METROPOLITAN CORPORATION

ENGINEERING DEPARTMENT

## ANNUAL DEVELOPMENT PROGRAMME



Tender Reference No. KMC/CM/ED/106/2014-15

### **BILL OF QUANTITIES**

IMPROVEMENT OF UNDERPASSES TUNNEL LIGHTS AND RESTORATION  
OF EXISTING LIGHTING AT GHARIBABAD, LIAQUATABAD, NAZIMABAD  
AND SOHRAB GOTH UNDERPASS KMC (CENTRAL), KARACHI.

**NOTE:**

The condition of Contract will be available on K.M.C. Website ([www.karachicity.gov.pk](http://www.karachicity.gov.pk)).

Estimate Cost: -	Rs. 20.000 Million
Bid Security: -	Rs. 0.400 Million
Tender Cost: -	Rs. 3,000/-

**KARACHI METROPOLITAN CORPORATION  
ENGINEERING DEPARTMENT**

Subject: **IMPROVEMENT OF UNDERPASSES TUNNEL LIGHTS AND RESTORATION OF EXISTING LIGHTING AT GHARIBABAD, LIAQUATABAD, NAZIMABAD AND SOHRAB GOTH UNDERPASS KMC (CENTRAL), KARACHI.**

Estimated Cost:- Rs.20.000 Million

Bid Security:- Rs. 0.400 Million

Tender Cost: - Rs.3000/-

**ELECTRICAL WORK**  
**PART – A (Items Based on S/R)**

SN	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Providing & Laying (Main or Sub Main) PVC insulated and PVC sheeted with single core copper conductor 300/500 volts size 2-7/0.36.				
A)	Nazimabad Underpass	350.00	Mtr	147.00	51450.00
B)	Liaquatabad Underpass	350.00	Mtr	147.00	51450.00
C)	Gharibabad Underpass	300.00	Mtr	147.00	44100.00
D)	Sohrab Goth Underpass	210.00	Mtr	147.00	30870.00
2	Providing & Laying (Main or Sub Main) PVC insulated and PVC sheeted with single core copper conductor 300/500 volts size 2-7/0.44.				
A)	Nazimabad Underpass	350.00	Mtr	213.00	74550.00
B)	Liaquatabad Underpass	350.00	Mtr	213.00	74550.00
C)	Gharibabad Underpass	300.00	Mtr	213.00	63900.00
D)	Sohrab Goth Underpass	200.00	Mtr	213.00	42600.00
3	Providing & Laying (Main or Sub Main) PVC insulated and PVC sheeted with Four core copper conductor 300/500 volts size 10mm <sup>2</sup> .				
A)	Nazimabad Underpass	180.00	Mtr	742.00	133560.00
B)	Liaquatabad Underpass	150.00	Mtr	742.00	111300.00
C)	Gharibabad Underpass	150.00	Mtr	742.00	111300.00
D)	Sohrab Goth Underpass	150.00	Mtr	742.00	111300.00
4	Providing & Laying (Main or Sub Main) PVC insulated and PVC sheeted with Four core copper conductor 600/1000 volts size 16mm <sup>2</sup> .				
A)	Nazimabad Underpass	180.00	Mtr	1300.00	234000.00
B)	Liaquatabad Underpass	150.00	Mtr	1300.00	195000.00
C)	Gharibabad Underpass	100.00	Mtr	1300.00	130000.00
D)	Sohrab Goth Underpass	150.00	Mtr	1300.00	195000.00

SN	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
5	P/F Circuit Breaker 15, 20, 30, 40, 50, 60, 75 & 100 Amps T.P (XS-100NS) on prepared board as required.				
A)	Nazimabad Underpass	4.00	No.	9261.00	37044.00
B)	Liaquatabad Underpass	4.00	No.	9261.00	37044.00
C)	Gharibabad Underpass	4.00	No.	9261.00	37044.00
D)	Sohrab Goth Underpass	4.00	No.	9261.00	37044.00
6	Cable Termination / Connection, testing and commissioning 2-Core / 4-Core armoured at both ends inside the junction box with suitable 4x100 Amps PVC connector complete in all respect as required.				
A)	Nazimabad Underpass	954.00	Job	500.00	477000.00
B)	Liaquatabad Underpass	900.00	Job	500.00	450000.00
C)	Gharibabad Underpass	111.00	Job	500.00	55500.00
D)	Sohrab Goth Underpass	67.00	Job	500.00	33500.00
7	Providing and Fixing of LED Tunnel light 90 Watts make Oslo / Pierlite / Philips / GE with internal wiring complete in all respect at the height 18 to 20-FT from ground level and instruction of Engineer Incharge. (High Pressure Aluminum-dicast lumus not less than 8100)				
A)	Nazimabad Underpass	62.00	No.	79000.00	4898000.00
B)	Liaquatabad Underpass	52.00	No.	79000.00	4108000.00
C)	Gharibabad Underpass	24.00	No.	79000.00	1896000.00
D)	Sohrab Goth Underpass	18.00	No.	79000.00	1422000.00
8	P/F of LED rod 18 Watt make Oslo / Pierlite / Philips with internal wiring complete in all respect with little bit modification with fixing clamps and adopter / socket and connector as per instruction of Engineer Incharge.				
A)	Nazimabad Underpass	890.00	No.	2600.00	2314000.00
B)	Liaquatabad Underpass	840.00	No.	2600.00	2184000.00
C)	Gharibabad Underpass	91.00	No.	2600.00	236600.00
D)	Sohrab Goth Underpass	47.00	No.	2600.00	122200.00
<b>SUB-TOTAL (PART-A)</b>					<b>19999906.00</b>

Signature of the Bidder with Stamp

# KARACHI METROPOLITAN CORPORATION

## ENGINEERING DEPARTMENT

Subject: **IMPROVEMENT OF UNDERPASSES TUNNEL LIGHTS AND RESTORATION OF EXISTING LIGHTING AT GHARIBABAD, LIAQUATABAD, NAZIMABAD AND SOHRAB GOTH UNDERPASS KMC (CENTRAL), KARACHI.**

Estimated Cost:- Rs.20.000 Million  
 Bid Security:- Rs. 0.400 Million  
 Tender Cost: - Rs.3000/-

I / We hereby quoted as follows:

1.	<b><u>PART – A (ELECTRICAL WORK):</u></b>	
	Items Based on S/R amounting to <b>Rs.1,99,99,906/-</b> .	Rs. _____
	_____ % Above / Below the S/R.	
<b>GRAND TOTAL (A+B)</b>		Rs. _____

The total amount is Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_  
 (in Figure) (In Words)

\_\_\_\_\_ for the complete job for all schedule of rates / offer rates.

I / We have attached a pay order bearing No. \_\_\_\_\_

dated \_\_\_\_\_ issued from \_\_\_\_\_  
 (Name of Bank)

Bank amounting to Rs. \_\_\_\_\_ as per NIT.

**Time Limit: 120 Days**

**Penalty per day: Rs. 3,000/-**

**Note:**

- Tender must be quoted in figure & in words both otherwise liable to be cancelled.
- All over writing & correction if any must be initialed & stamped by the bidder.

**Signature of the Contractor with Stamp**

**Address:** \_\_\_\_\_

\_\_\_\_\_

Checked By :

## **MINIMUM QUALIFICATION / ELIGIBILITY CRITERIA**

The evidence / documents of the following minimum qualification / eligibility criteria will be checked during opening process of tender & if anyone is missing then the tender will be summarily rejected at the moment by the tender opening committee.

### **Eligibility:**

- i). Valid PEC in C-6 (EE-06) and above in relevant category.
- ii). Electric Contractor's License from Electric Inspector, GOS
- iii). NTN Certificate
- iv). Valid Professional TAX.
- v). Register with Sindh Revenue Board

### **Minimum Qualification Criteria:**

- vi). Bid Security, as mentioned in the NIT & Bidding Documents, is furnished.
- vii). All rates quoted including the total amount of the bid shall be in figures & words (both).
- viii). All corrections / overwriting shall be clearly re-written with initials & duly stamped by the bidder.
- ix). The bid shall be properly signed, named & stamped by the authorized person of the firm and authorization letter for signatory shall be enclosed with the tender by the authorized person, if other than the signatory of the firm.
- x). The minimum turn over / work experience with satisfactory completion report in last 2 years or atleast two or more works in hand and their aggregate cost should be equal to the work cost in which bidder interested to participate.

**Signature of the Bidder with Stamp**

## Bidding Data

(This section should be filled in by the Engineer / Procuring Agency before issuance of the Bidding Documents).

- a) Name of Procuring Agency: Karachi Metropolitan Corporation (KMC).
- b) Brief Description of Work: IMPROVEMENT OF UNDERPASSES TUNNEL LIGHTS AND RESTORATION OF EXISTING LIGHTING AT GHARIBABAD, LIAQUATABAD, NAZIMABAD AND SOHRAB GOTH UNDERPASS KMC (CENTRAL), KARACHI.
- c) Procuring Agency Address: 4<sup>th</sup> Floor Civic Centre, Engineering Department, KMC, Karachi.
- d) Estimated Cost: Rs.20,000 Million
- e) Amount of Bid Security: Rs. 0.400 Million
- f) Period of Bid Validity (days): 120 Days
- g) Security Deposit (i/c bid security): 10% of Quoted Amount
- h) Percentage, if any, to be deducted from bills: 5% to be deducted from Running Bills.
- i) Deadline for submission of bid along with time: As per NIT
- j) Venue, Time and date of bid opening: Office of the Chief Engineer (E&M), KMC situated at 4<sup>th</sup> Floor, Civic Centre Gulshan-e-Iqbal Karachi, on 10-11-2015 at 2:30 PM.
- k) Liquidity damages: Rs.3,000/- per day
- l) Deposit Receipt No. Date & Amount:



# KARACHI METROPOLITAN CORPORATION

ENGINEERING DEPARTMENT

## ANNUAL DEVELOPMENT PROGRAMME



Tender Reference No. KMC/CM/ED/107/2014-15

### **BILL OF QUANTITIES**

ELECTRICAL WORK IN ABBASI SHAHEED HOSPITAL & TRUMA  
CENTER, KMC KARACHI.

**NOTE:**

The condition of Contract will be available on K.M.C. Website ([www.karachicity.gov.pk](http://www.karachicity.gov.pk)).

Estimate Cost: -	Rs. 10.000 Million
Bid Security: -	Rs. 0.200 Million
Tender Cost: -	Rs. 3,000/-

**KARACHI METROPOLITAN CORPORATION  
ENGINEERING DEPARTMENT**

Subject: **ELECTRICAL WORK IN ABBASI SHAHEED HOSPITAL & TRUMA CENTER,  
KMC KARACHI.**

Estimated Cost:- Rs.10.000 Million  
Bid Security:- Rs. 0.200 Million  
Tender Cost: - Rs.3000/-

**ELECTRICAL WORK  
PART – A (Items Based on S/R)**

SN	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Wiring for light or fan point with 3x3/0.29 PVC insulated copper conductor single core wire in suitable 20mm size of PVC channel patty on surface on wall or column complete in all aspect.	100.00	Each	742.00	74200.00
2	Wiring for light or fan point with 3x3/0.29 PVC insulated copper conductor single core wire in suitable 20mm size of PVC conduit recessed in the wall or column complete in all aspect.	100.00	Each	797.00	79700.00
3	P/L main / Sub main with 3x7/0.29 PVC insulated copper conductor single core wire in suitable ¾" size PVC conduit / channel patty on surface of the wall or column complete in all aspect.	300.00	Mtr	235.00	70500.00
4	P/L main / Sub main with 3x7/0.44 PVC insulated copper conductor single core wire in suitable 1" size PVC conduit / channel patty on surface of the wall or column complete in all aspect.	400.00	Mtr	422.00	168800.00
5	Providing & Laying (main/sub-main) with PVC / PVC Copper conductor 4-core 50mm <sup>2</sup> cable.	100.00	Mtr	3312.00	331200.00
6	Providing and installation of electromagnetic ballast 40 watt for tube light.	200.00	Each	300.00	60000.00
7	Providing and installation of electronic ballast 28 watt for T5 light.	100.00	Each	400.00	40000.00
8	Providing and Installation of starter for 40 watt florescent tube.	400.00	Each	22.00	8800.00
9	P/F of the following size gang of switch plate along with switch. (best quality China)				
A)	1-Gang	15.00	Each	170.00	2550.00
B)	4-Gang	50.00	Each	370.00	18500.00
C)	6-Gang	20.00	Each	550.00	11000.00
10	P/F of back-box made of steel / PVC recessed in the wall and column 3x3 inch size suitable for Clipsal switch board.	100.00	Each	150.00	15000.00
11	P/F of back-box made of steel / PVC recessed in the wall and column 3x6 inch size suitable for Clipsal switch board.	25.00	Each	200.00	5000.00
12	Fan control dimmer (Fancy type).	100.00	Each	350.00	35000.000
13	P/F of IED light fixture recessed type housing made of steel with P C cover protection level IP-20 along with 220 Volt 42 Watt LED lamps, complete with internal connection (labour room ASH)	10000.00	Each	10.00	100000.00

SN	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
14	P/Installation of tube light fitting TMS 2x28 watt along with best quality electronic ballast complete with connection with 23/76 2-core wire.	100.00	Each	3000.00	300000.00
15	Providing and Installation of Ceiling Fan 56" Size.	4.00	Each	3500.00	14000.00
16	Providing and Installation of light plug 15/13 ampere.	300.00	Each	300.00	90000.00
17	Providing and Installation of tube rod 28 watt T5 lamp.	200.00	Each	250.00	50000.00
18	Providing and Installation of tube rod 40 watt.	110.00	Each	400.00	44000.00
19	P/Fabrication / installation of air conditioning duct made of G.I. sheet 22 gauge, size should be as required, complete with cutting of wall, hanging accessories, and etc from given air condition package type to the respective area complete in all respect. (Emergency OT)	5000.00	Sq.Ft	270.00	1350000.00
20	Providing and wrapping the glass wool insulation 2" thickness 24 density with glue and aluminum tube then wrapping the cloth complete in all aspect. (Emergency OT)	5000.00	Sq.Ft	180.00	900000.00
21	Providing and Fabrication of cladding made of G.I. sheet 26 gauge for covering the duct in open sky. ((Emergency OT)	2250.00	Sq.Ft	210.00	472500.00
22	P/Installation and commissioning the air condition plant package type unit having cooling capacity 144000 btu complete with cc / rubber foundation (Emergency OT)	2.00	Each	1200000.00	2400000.00
23	P/Installation and commissioning the air condition plant package type unit having cooling capacity 190000 btu complete with cc / rubber foundation (Emergency OT)	2.00	Each	1600000.00	3200000.00
24	P/Installation of Pre-filter 56"x24" size	5.00	Set	11500.00	57500.00
25	P/Installation of filter section 56"x24" size	5.00	Set	5000.00	25000.00
26	P/Installation of beg-filter 56"x24" size	3.00	Set	13500.00	40500.00
27	P/Installation of beg-filter section 56"x24" size	5.00	Set	5000.00	25000.00
<b>SUB-TOTAL (PART-A)</b>					<b>9988750.00</b>

Signature of the Bidder with Stamp

## **MINIMUM QUALIFICATION / ELIGIBILITY CRITERIA**

The evidence / documents of the following minimum qualification / eligibility criteria will be checked during opening process of tender & if anyone is missing then the tender will be summarily rejected at the moment by the tender opening committee.

### **Eligibility:**

- i). Valid PEC in C-6 (EE-06) and above in relevant category.
- ii). Electric Contractor's License from Electric Inspector, GOS
- iii). NTN Certificate
- iv). Valid Professional TAX.
- v). Register with Sindh Revenue Board

### **Minimum Qualification Criteria:**

- vi). Bid Security, as mentioned in the NIT & Bidding Documents, is furnished.
- vii). All rates quoted including the total amount of the bid shall be in figures & words (both).
- viii). All corrections / overwriting shall be clearly re-written with initials & duly stamped by the bidder.
- ix). The bid shall be properly signed, named & stamped by the authorized person of the firm and authorization letter for signatory shall be enclosed with the tender by the authorized person, if other than the signatory of the firm.
- x). The minimum turn over / work experience with satisfactory completion report in last 2 years or atleast two or more works in hand and their aggregate cost should be equal to the work cost in which bidder interested to participate.

**Signature of the Bidder with Stamp**

## Bidding Data

(This section should be filled in by the Engineer / Procuring Agency before issuance of the Bidding Documents).

- a) Name of Procuring Agency: Karachi Metropolitan Corporation (KMC).
- b) Brief Description of Work: ELECTRICAL WORK IN ABBASI SHAHEED HOSPITAL & TRUMA CENTER, KMC KARACHI.
- c) Procuring Agency Address: 4<sup>th</sup> Floor Civic Centre, Engineering Department, KMC, Karachi.
- d) Estimated Cost: Rs.10.000 Million
- e) Amount of Bid Security: Rs. 0.200 Million
- f) Period of Bid Validity (days): 120 Days
- g) Security Deposit (i/c bid security): 10% of Quoted Amount
- h) Percentage, if any, to be deducted from bills: 5% to be deducted from Running Bills.
- i) Deadline for submission of bid along with time: As per NIT
- j) Venue, Time and date of bid opening: Office of the Chief Engineer (E&M), KMC situated at 4<sup>th</sup> Floor, Civic Centre Gulshan-e-Iqbal Karachi, on 10-11-2015 at 2:30 PM.
- k) Liquidity damages: Rs.3,000/- per day
- l) Deposit Receipt No. Date & Amount:

# KARACHI METROPOLITAN CORPORATION

ENGINEERING DEPARTMENT

## ANNUAL DEVELOPMENT PROGRAMME



Tender Reference No. KMC/CM/ED/108/2014-15

### **BILL OF QUANTITIES**

#### REPAIRING RENOVATION OF KARACHI INSTITUTE OF HEART DISEASES HOSPITAL. (ELECTRICAL WORK)

**NOTE:**

The condition of Contract will be available on K.M.C. Website ([www.karachicity.gov.pk](http://www.karachicity.gov.pk)).

Estimate Cost: -	Rs. 10.000 Million
Bid Security: -	Rs. 0.200 Million
Tender Cost: -	Rs. 3,000/-

**KARACHI METROPOLITAN CORPORATION  
ENGINEERING DEPARTMENT**

Subject: **REPAIRING RENOVATION OF KARACHI INSTITUTE OF HEART DISEASES HOSPITAL. (ELECTRICAL WORK)**

Estimated Cost:- Rs.10.000 Million  
 Bid Security:- Rs.0.200 Million  
 Tender Cost: - Rs.3000/-

**ELECTRICAL WORK**  
**PART – A (Items Based on S/R)**

SN	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Providing & Laying (Main or Sub Main) PVC insulated & PVC Sheeted with single core copper conductor 300/500 volts size 2-3/0.036	50.00	Mtr	87.00	4350.00
2	Providing & Laying (Main or Sub Main) PVC insulated & PVC Sheeted with Two core copper conductor 300/500 volts size 4mm <sup>2</sup>	200.00	Mtr	170.00	34000.00
3	Providing & Laying (Main or Sub Main) PVC insulated & PVC Sheeted with Two core copper conductor 300/500 volts size 6mm <sup>2</sup>	100.00	Mtr	233.00	23300.00
4	Providing and Laying (Main or Sub Main) PVC insulated PVC sheeted with Two Core copper conductor 300/500 volts size 10mm <sup>2</sup>	200.00	Mtr	375.00	75000.00
5	Providing and Laying (Main or Sub Main) PVC insulated PVC sheeted with 4-Core copper conductor 600/1000 volts size 16mm <sup>2</sup>	150.00	Mtr	1679.00	251850.00
6	Providing and Laying (Main or Sub Main) PVC insulated PVC sheeted with 4-Core copper conductor 600/1000 volts size 120mm <sup>2</sup>	110.00	Mtr	9606.00	1056660.00
7	P/F of MS tubelur pole as following specification to be fixed on pre-cast foundation with the help of hydraulic crane & manual labour. 20-FT (6" Dia) x 5.5-FT (5" Dia) x 5.5-FT (4" Dia) = 31-Ft, wall thickness 8 SWG Base Plate 18"x18"x3/4" holes 4 No., stiffeners 4 No. 9.5"x4.5"x0.5" making window in the pole required size with LN Key provision. Two Coats redoxide (02 Coats as rust preventive and or required oil paint (2 coats as per site requirement and instruction of E.I.)	6.00	Job	36697.00	220182.00
8	Constructor of RCC foundation as per following specification and instruction of E/I for 31-ft / 40-ft long tubler pole. Excavation of soft / hard soil 3-ftx5.5 ft stone soiling 3"x3"x6" making lean in the ratio of 1:4:8 length of MS bolt 6.5 inch (3/4" Dia) 4 No. & making thread on MS rod template 16"x16"x1/4" rings 1/4" Dia round bar 4 No. to the welded with MS rod. RCC foundation ratio 1:2:4 with appropriate size 2-ftx2-ftx6.5-ft	6.00	Job	15168.00	91008.00
9	Manufacturing Providing and Fixing angle Iron Bracket in Hexagonal Shape to accommodate 5-6 on flood lights fittings 250/400 watt with following specification as per site requirement angle Iron 1.5" dia length 1.75ftx1.75ftx1.75ft with supporting angle canopy 5inch dia 1-ft long with nuts over all dia 5it.	6.00	Job	4571.00	27426.00

SN	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
10	Providing and Fixing Junction box as per following specification size of box 10"x8"x5" MS Plate size 16 SWG thick clamps with nuts and bolts cover plate with screw painting two coats of rust preventive red oxide and 2 coats of ICI paints as per site requirement and instruction of E.I.	6.00	Job	1020.00	6120.00
11	Providing and Fixing of Flood light 400 Watts HPIT having IP 65 classification with 400 watt lamp, choke capacitor ignitor and internal wiring complete in all aspect at the height up to 40-ft with the help of hydraulic crane manual labour as per site requirement.	40.00	Each	16980.00	679200.00
12	Providing and Fixing circuit breaker 6 amp SP (TB-5S) on prepared board as required.	36.00	Each	916.00	32976.00
13	Providing and Fixing circuit breaker 225 amp TP (XS-225 NS) on prepared board as required.	5.00	Each	25541.00	127705.00
14	P/F timer 500 hour power back up (National) as per site requirement.	3.00	Each	9609.00	28827.00
15	Providing installation and commissioning of tube light fitting 2x2 ft size recessed mounted type with housing and diffuser / Grill complete with 4x14 watt T5 lamp and 56 watt electronic ballast.	70.00	Each	4000.00	280000.00
16	Supply & Installation of 24 T on variable refrigerant flow (VRF) condensing units complete with all controls, safeties and etc. Complete in all respect as specified in technical specification and as directed by the Engineer Incharge.	1.00	Each	1946776.00	1946776.00
17	Supply & Installation of Ducted type multi split indoor units cooling capacity 2.0 ton Each complete in all respect as specified in technical specification and as directed by the Engineer Incharge.	6.00	Each	82888.00	497378.00
18	Supply & Installation of Cassette type multi split indoor units cooling capacity 2.0 ton Each complete in all respect as specified in technical specification and as directed by the Engineer Incharge.	6.00	Each	54937.00	329622.00
19	Supply & Installation of Refrigerant Distributor (Y-Type) pipe joints & Outdoor connection kits complete in all respect as specified in technical specification and as directed by the Engineer Incharge.	1.00	Each	11861.00	11861.00
20	Supply, Fabrication and installation of G.I. Sheet metal duct for different sections of supply, return & exhaust air complete in all respects including plenums, splitter dampers guide vanes, access door, transformation, plenum chambers supports & hangers complete in all respect.				
21	Supply and Installation of Aluminum Foil facing Fiber Glass. Insulation 1" thick for G.I. sheet metal ducts of different sections for supply and return air wrapped with Aluminum tape protected with 8oz canvas cloth than painted ant fungus paint complete in all respect.				
22	Supply and Installation of Aluminum fabricated powder coated Grills Diffuse and Registers for supply are return air exhaust air & fresh air of different sizes (Grade-A) complete in all respects wooden frame, supports etc. complete in all respects as per instruction of Consultant.				
a)	S.A.D 12"x12"	13.00	Each	4060.00	52780.00
b)	R.A.D 12"x12"	13.00	Each	4060.00	52780.00



SN	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
23	Supply & Installation of copper refrigerant pipes with foam insulation for entire system with pressure test & refrigerant charge complete in all respect as specified in technical specification and as directed by the E.I.				
a)	Φ 31.8 mm	16.00	Mtr	12648.00	202368.00
b)	Φ 22.2 mm	22.00	Mtr	6476.00	142472.00
c)	Φ 28.6 mm	15.00	Mtr	7920.00	118890.00
d)	Φ 12.7 mm	15.00	Mtr	2512.00	37680.00
e)	Φ 9.53 mm	57.00	Mtr	1985.00	113145.00
f)	Φ 19.1 mm	8.00	Mtr	4428.00	34524.00
g)	Φ 15.9 mm	44.00	Mtr	2480.00	153120.00
24	Supply & Installation of U-PVC drain pipes with all rubber foam insulation for multi split system complete in all respect complete in all respect as directed by the E.I.				
a)	¾" Dia	150.00	RFT	19.00	2850.00
b)	1" Dia	100.00	RFT	27.00	2700.00
c)	1-1/4 Dia	75.00	RFT	33.00	2475.00
24	Testing, Commissioning and Gas Charging including air balancing of entire HVAC system.	1.00	Job	90000.00	90000.00
25	Providing, Installation Commissioning and testing of air condition unit self contained type having cooling capacity 12.5 tons 3 phase 400 volt complete with connection of C.I duct and power supply including cost of removing the old one. It will be placed upto 1 <sup>st</sup> floor by the help of hydraulic crane and manual labour.	1.00	Job	843750.00	843750.00
26	Providing and Fixing of gypsum board far-ceiling in size 2'x2'x0.5mm thick of approved pattern, lain on explore suspentionis system comprising of aluminum powder coated "T" suspended by 18 SWG or adjustable route through butterfly and adjusted screw at any elevation as per directed of E.I.	3800.00	Sq.Ft	66.00	250800.00
<b>SUB-TOTAL (PART-A)</b>					

Signature of the Bidder with Stamp

**KARACHI METROPOLITAN CORPORATION  
ENGINEERING DEPARTMENT**

Subject: **REHABILITATION AND MAINTENANCE OF FLOOD LIGHTING SYSTEM OF PEOPLE PLAY GROUND KMC.**

Estimated Cost:- Rs.9.497 Million

Bid Security:- Rs.0.190 Million

Tender Cost: - Rs.3000/-

I / We hereby quoted as follows:

1.	<b><u>PART – A (ELECTRICAL WORK):</u></b> Items Based on S/R amounting to <b>Rs.94,97,320/-</b> . _____% Above / Below the S/R.	Rs. _____
<b>GRAND TOTAL (A+B)</b>		Rs. _____

The total amount is Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_  
(in Figure) (In Words)

\_\_\_\_\_ for the complete job for all schedule of rates / offer rates.

I / We have attached a pay order bearing No. \_\_\_\_\_

dated \_\_\_\_\_ issued from \_\_\_\_\_  
(Name of Bank)

Bank amounting to Rs. \_\_\_\_\_ as per NIT.

**Time Limit: 120 Days**

**Penalty per day: Rs. 3,000/-**

**Note:**

- Tender must be quoted in figure & in words both otherwise liable to be cancelled.
- All over writing & correction if any must be initialed & stamped by the bidder.

**Signature of the Contractor with Stamp**

Address: \_\_\_\_\_

Checked By :

\_\_\_\_\_

## **MINIMUM QUALIFICATION / ELIGIBILITY CRITERIA**

The evidence / documents of the following minimum qualification / eligibility criteria will be checked during opening process of tender & if anyone is missing then the tender will be summarily rejected at the moment by the tender opening committee.

### **Eligibility:**

- i). Valid PEC in C-6 (EE-06) and above in relevant category.
- ii). Electric Contractor's License from Electric Inspector, GOS
- iii). NTN Certificate
- iv). Valid Professional TAX.
- v). Register with Sindh Revenue Board

### **Minimum Qualification Criteria:**

- vi). Bid Security, as mentioned in the NIT & Bidding Documents, is furnished.
- vii). All rates quoted including the total amount of the bid shall be in figures & words (both).
- viii). All corrections / overwriting shall be clearly re-written with initials & duly stamped by the bidder.
- ix). The bid shall be properly signed, named & stamped by the authorized person of the firm and authorization letter for signatory shall be enclosed with the tender by the authorized person, if other than the signatory of the firm.
- x). The minimum turn over / work experience with satisfactory completion report in last 2 years or atleast two or more works in hand and their aggregate cost should be equal to the work cost in which bidder interested to participate.

**Signature of the Bidder with Stamp**

## Bidding Data

(This section should be filled in by the Engineer / Procuring Agency before issuance of the Bidding Documents).

- a) Name of Procuring Agency: Karachi Metropolitan Corporation (KMC).
- b) Brief Description of Work: REPAIRING RENOVATION OF KARACHI INSTITUTE OF HEART DISEASES HOSPITAL. (ELECTRICAL WORK)
- c) Procuring Agency Address: 4<sup>th</sup> Floor Civic Centre, Engineering Department, KMC, Karachi.
- d) Estimated Cost: Rs.10.000 Million
- e) Amount of Bid Security: Rs. 0.200 Million
- f) Period of Bid Validity (days): 120 Days
- g) Security Deposit (i/c bid security): 10% of Quoted Amount
- h) Percentage, if any, to be deducted from bills: 5% to be deducted from Running Bills.
- i) Deadline for submission of bid along with time: As per NIT
- j) Venue, Time and date of bid opening: Office of the Chief Engineer (E&M), KMC situated at 4<sup>th</sup> Floor, Civic Centre Gulshan-e-Iqbal Karachi, on 10-11-2015 at 2:30 PM.
- k) Liquidity damages: Rs.3,000/- per day
- l) Deposit Receipt No. Date & Amount:

# KARACHI METROPOLITAN CORPORATION

ENGINEERING DEPARTMENT

## ANNUAL DEVELOPMENT PROGRAMME



Tender Reference No. KMC/CM/ED/124/2014-15

### **BILL OF QUANTITIES**

INSTALLATION OF POLES AND LIGHTS AT NAHR-E-KHAYAM ROAD SIDE-B  
FROM SHAHRAH-E-SAADI TO SHAHRAH-E-IQBAL, CLIFTON, KMC

**NOTE:**

The condition of Contract will be available on K.M.C. Website ([www.karachicity.gov.pk](http://www.karachicity.gov.pk)).

Estimate Cost: -	Rs. 7.558 Million
Bid Security: -	Rs. 0.151 Million
Tender Cost: -	Rs. 3,000/-

**KARACHI METROPOLITAN CORPORATION  
ENGINEERING DEPARTMENT**

Subject: **INSTALLATION OF POLES AND LIGHTS AT NAHR-E-KHAYAM ROAD SIDE-B  
FROM SHAHRAH-E-SAADI TO SHAHRAH-E-IQBAL, CLIFTON KMC.**

Estimated Cost:- Rs.7.558 Million  
Bid Security:- Rs.0.151 Million  
Tender Cost: - Rs.3000/-

**ELECTRICAL WORK**  
**PART – A (Items Based on S/R)**

SN	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Providing & Laying (Main or Sub Main) PVC insulated & & PVC Sheeted with three core copper conductor 300/500 volts size 2.5mm <sup>2</sup>	180.00	Mtr	178.00	32040.00
2	Providing & Laying (Main or Sub Main) PVC insulated & & PVC Sheeted with four core copper conductor 600/1000 volts size 16mm <sup>2</sup>	50.00	Mtr	1679.00	83950.00
3	Providing and Fixing of M.S Tubular Pole as per following specification to be fixed on pre-cast foundation with the help of hydraulic crane and manual labour. 6-MTR(6' Dia)x3MTR(5" Dia)x3MTR(4" Dia) = 40ft. Wall thickness 8-SWG Base plate 18"x18"x3/4" Hole 4 Nos. stiffeners 4 No. 9-1/2"x4-1/2"x1/2" Making window in the pole required size with LN Key provision. Two Coats redoxide (2-Coat) as rust preventive and of required oil paint (2-coat) as per site requirement and instructor of E.I	35.00	Each	37797.00	1322895.00
4	Construction of RCC foundation as per following specification and instruction of Engineer Incharge for 31-Ft / 40-Ft long Tubular pole. Excavation of Soft / Hard soil 3'x3'x5.5 FT. Stone soil ng 3'x3'x6" making lean in the ratio 1:4:8 Length of MS bolts 6-1/2'(3/4" Dia) 4 Nos. and making thread on MS rod. Template 16"x16"x1/4". Rings 1/4" Dia round bar 4 Nos. to the Welded with MS rod. RCC foundation ratio 1:2:4 with appropriate size 2'x2'x6.5'.	35.00	No.	15168.00	530880.00
5	Providing and Fixing of LED street Lights 140 Watts make oslo /Pierlite / Philips with internal wiring complete in all respect at the height with the help of hydraulic crane and instruction of E.I.	37.00	No.	109940.00	4067780.00
6	M/P/Installation the distribution board alongwith locking arrangement made from MS sheet 16 SWG. The size of the box should be as per installed accessories. The board should be as powder coated. Water proof and dust proof with ICI primer coat. After fixing the following electric control system inside the box. The box should be installed at the given place with clamps and nuts bolts. The following control accessories will be installed. 1-100 Amps circuit breaker (Tersaski/LG/Mueller) 1-Magnetic Contactor FC-80 (Green Power / LG Muller)	2.00	Job	36000.00	72000.00

SN	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
7	1-10 Amps Photo Cell / Timer (National Japan) P/F of earthing set following specification. Excavation 3'x3'x12' approximately (round or square shaped) Salt, Charcoal dust, Calcium di-oxide G.I. Pipe 1" Dia 12 SWG 13.5 Ft. approx Copper wire 8 SWG 14 ft. Copper 2"x2'1.4" inch plate. Copper nuts & bolts 2 Nos.	2.00	No.	35000.00	70000.
8	Manufacturing Providing and Fixing G.I single Arm Welded with pole manual labour as per site requirement instruction of E.I. with following specification. G.I. pipe 2" Dia 12 SWG 1-Ft. Long.	33.00	No.	1800.00	59400.0
9	Manufacturing Providing and Fixing G.I double Arm Welded with pole manual labour as per site requirement instruction of E.I. with following specification. G.I. pipe 2" Dia 12 SWG 1-Ft. Long.	2.00	No.	2400.00	4800.0
10	Cable termination / connection testing and commissioning 4-Core / 3-Core / 3-1/2 Core PVC/ armoured at both ends inside the junction box with suitable 4x100 Amps PVC connector complete in all respect as required.	35.00	Job	500.00	17500.00
11	P/F of Aluminium Conductor for overhead electric supply as per following specification with the help of lifter or crane and other fixing accessories				
a)	25mm (Dog)	3500.00	Meter	350.00	1225000.00
b)	"U" Insular Clamps (G.I)	111.00	No.	150.00	16650.00
c)	D Iron Clamps (GI) with nuts and bolts	111.00	No.	200.00	22200.00
d)	Shakle Insulator	111.00	Job	200.00	22200.00
e)	Bolts with Nuts and Washers (GI) for Insulator	222.00	Job	50.00	11100.00
<b>SUB-TOTAL (PART-A)</b>					<b>7558395.00</b>

Signature of the Bidder with Stamp

**KARACHI METROPOLITAN CORPORATION**  
**ENGINEERING DEPARTMENT**

Subject: **INSTALLATION OF POLES AND LIGHTS AT NAHR-E-KHAYAM ROAD SIDE-B FROM SHAHRAH-E-SAADY TO SHAHRAH-E-IQBAL, CLIFTON KMC.**

Estimated Cost:- Rs.7.558 Million

Bid Security:- Rs.0.151 Million

Tender Cost: - Rs.3000/-

I / We hereby quoted as follows:

1.	<b><u>PART – A (ELECTRICAL WORK):</u></b> Items Based on S/R amounting to <b>Rs.75,58,395/-</b> . _____ % Above / Below the S/R.	Rs. _____
<b>GRAND TOTAL (A+B)</b>		Rs. _____

The total amount is Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_  
(in Figure) (In Words)

\_\_\_\_\_ for the complete job for all schedule of rates / offer rates.

I / We have attached a pay order bearing No. \_\_\_\_\_

dated \_\_\_\_\_ issued from \_\_\_\_\_  
(Name of Bank)

Bank amounting to Rs. \_\_\_\_\_ as per NIT.

**Time Limit: 120 Days**

**Penalty per day: Rs. 3,000/-**

**Note:**

- Tender must be quoted in figure & in words both otherwise liable to be cancelled.
- All over writing & correction if any must be initialed & stamped by the bidder.

**Signature of the Contractor with Stamp**

**Address:** \_\_\_\_\_

Checked By :



## Bidding Data

(This section should be filled in by the Engineer / Procuring Agency before issuance of the Bidding Document(s)).

- a) Name of Procuring Agency: Karachi Metropolitan Corporation (KMC).
- b) Brief Description of Work: INSTALLATION OF POLES AND LIGHTS AT NAHRAH-E-KHAYAM ROAD SIDE B FROM SHAHRAH-E-SAAD I TO SHAHRAH-E-IQBAL, CLIFTON, KMC.
- c) Procuring Agency Address: 4<sup>th</sup> Floor Civic Centre, Engineering Department, KMC, Karachi.
- d) Estimated Cost: Rs.7.558 Million
- e) Amount of Bid Security: Rs. 0.151 Million
- f) Period of Bid Validity (days): 120 Days
- g) Security Deposit (i/c bid security): 10% of Quoted Amount
- h) Percentage, if any, to be deducted from bills: 5% to be deducted from Running Bills.
- i) Deadline for submission of bid along with time: As per NIT
- j) Venue, Time and date of bid opening: Office of the Chief Engineer (E&M), KMC situated at 4<sup>th</sup> Floor, Civic Centre Gulshan-e-Iqbal Karachi, on 10-11-2015 at 2:30 PM.
- k) Liquidity damages: Rs.3,000/- per day
- l) Deposit Receipt No. Date & Amount:

## **MINIMUM QUALIFICATION / ELIGIBILITY CRITERIA**

The evidence / documents of the following minimum qualification / eligibility criteria will be checked during opening process of tender & if anyone is missing then the tender will be summarily rejected at the moment by the tender opening committee.

### **Eligibility:**

- i). Valid PEC in C-6 (EE-06) and above in relevant category.
- ii). Electric Contractor's License from Electric Inspector, GOS
- iii). NTN Certificate
- iv). Valid Professional TAX.
- v). Register with Sindh Revenue Board

### **Minimum Qualification Criteria:**

- vi). Bid Security, as mentioned in the NIT & Bidding Documents, is furnished.
- vii). All rates quoted including the total amount of the bid shall be in figures & words (both).
- viii). All corrections / overwriting shall be clearly re-written with initials & duly stamped by the bidder.
- ix). The bid shall be properly signed, named & stamped by the authorized person of the firm and authorization letter for signatory shall be enclosed with the tender by the authorized person, if other than the signatory of the firm.
- x). The minimum turn over / work experience with satisfactory completion report in last 2 years or atleast two or more works in hand and their aggregate cost should be equal to the work cost in which bidder interested to participate.

**Signature of the Bidder with Stamp**

# KARACHI METROPOLITAN CORPORATION

ENGINEERING DEPARTMENT

## ANNUAL DEVELOPMENT PROGRAMME



Tender Reference No. KMC/CM/ED/125/2014-15

### **BILL OF QUANTITIES**

IMPROVEMENT & REHABILITATION OF ABBASI SHAHEED HOSPITAL  
(PROVIDING, INSTALLATION AND COMMISSIONING OF L.T. PANEL V.C.B  
11 KV AND PFI PLANT 750 KVAR, ALONG WITH ALLIED ACCESSORIES).

**NOTE:**

The condition of Contract will be available on K.M.C. Website ([www.karachicity.gov.pk](http://www.karachicity.gov.pk)).

Estimate Cost: -	Rs. 20.000 Million
Bid Security: -	Rs. 0.400 Million
Tender Cost: -	Rs. 3,000/-

**KARACHI METROPOLITAN CORPORATION  
ENGINEERING DEPARTMENT**

Subject: **IMPROVEMENT & REHABILITATION OF ABBASI SHAHEED HOSPITAL (PROVIDING, INSTALLATION AND COMMISSIONING OF L.T. PANEL V.C.B 11 KV AND PFI PLANT 750 KVAR, ALONG WITH ALLIED ACCESSORIES).**

Estimated Cost:- Rs.20.000 Million  
 Bid Security:- Rs. 0.400 Million  
 Tender Cost: - Rs.3000/-

**ELECTRICAL WORK**  
**PART – A (Items Based on S/R)**

SN	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1 A	<p>Providing, Fabrication of the following low voltage switch board pane indoor floor mounting metal clad compartment style cubical type, each breaker has separate compartment with separate door, separate bus bar, separate section for cable termination to all breakers and all ACBs/MCCBs shall be installed behind a protection dead front plate switch boards of the system 380/400 volts 3-phase 4 wire 50Hz with 20% spare future requirement including the under mentioned items, complete in all aspect with interconnection the in-coming for the panel shall be designed suitable for cable enter from top / bottom complete in all aspect.</p> <p><b><u>Auto Transfer Switch 2500 AMPS (Floor Mounted)</u></b>  <b><u>In-Coming-1 (Mains)</u></b>                      02 Nos. 2500 Amps Trip pole, fully enclosed and inter locked Air Circuit Breaker, fitted with motor operating mechanism, Visual "ON-OFF" indicator, containing 3 magnetic thermal tripping device for over load and short circuit protection. RC, 65 KA, with 02 Nos. Under voltage Trip (UVT), 02 Nos. shunt Trip 02 Nos. Closing coil, synchronizing Module for mains (Wood ward / Deep Sea / equivalent) Digital Am-Meter volt Meter with selector switch, current Transformer, indicating light and instrument fuse.</p> <p><b><u>In-Coming-2 (Genset 725 KVA)</u></b>                      01 Nos. 1250 Amps Trip pole, fully enclosed and inter locked Air Circuit Breaker, fitted with motor operating mechanism, Visual "ON-OFF" indicator, containing 3 magnetic thermal tripping device for over load and short circuit protection. RC, 65 KA, with 02 Nos. Under voltage Trip (UVT), 02 Nos. shunt Trip 02 Nos. Closing coil, synchronizing Module for mains (Wood ward / Deep Sea / equivalent) Digital Am-Meter volt Meter with selector switch, current Transformer, indicating light and instrument fuse.</p> <p><b><u>Bus coupler</u></b>                      02 Nos. 2500 Amps Trip pole, fully enclosed and inter locked Air Circuit Breaker, fitted with motor operating mechanism, Visual "ON-OFF" indicator, containing 3 magnetic thermal tripping device for over load and short circuit protection. RC, 65 KA, indicating light and instrument fuse.</p> <p><b><u>In-Coming-2 (Genset 725 KVA)</u></b>                      01 Nos. 1250 Amps Trip pole, fully enclosed and inter locked Air Circuit Breaker, fitted with motor operating mechanism, Visual "ON-OFF" indicator, containing 3 magnetic thermal tripping device for over load and short circuit protection. RC, 65 KA, with 02 Nos. Under voltage Trip (UVT), 02 Nos. shunt Trip 02 Nos. Closing coil, synchronizing Module for mains (Wood ward / Deep Sea / equivalent) Digital Am-Meter volt Meter with selector switch, current Transformer, indicating light and instrument fuse.</p>	1.00	Job	12600000.0	12600000.00

**KARACHI METROPOLITAN CORPORATION**  
**ENGINEERING DEPARTMENT**

Subject: IMPROVEMENT & REHABILITATION OF ABBASI SHAHEED HOSPITAL (PROVIDING, INSTALLATION AND COMMISSIONING OF L.T. PANEL V.C.B 11 KV AND PFI PLANT 750 KVAR, ALONG WITH ALLIED ACCESSORIES).

Estimated Cost:- Rs.20.000 Million

Bid Security:- Rs. 0.400 Million

Tender Cost: - Rs.3000/-

I / We hereby quoted as follows:

1.	<b><u>PART – A (ELECTRICAL WORK):</u></b> Items Based on S/R amounting to Rs.1,99,08,250/-. _____ % Above / Below the S/R.	Rs. _____
<b>GRAND TOTAL (A+B)</b>		Rs. _____

The total amount is Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_  
(in Figure) (In Words)

\_\_\_\_\_ for the complete job for all schedule of rates / offer rates.

I / We have attached a pay order bearing No. \_\_\_\_\_

dated \_\_\_\_\_ issued from \_\_\_\_\_  
(Name of Bank)

Bank amounting to Rs. \_\_\_\_\_ as per NIT.

**Time Limit: 120 Days**

**Penalty per day: Rs. 3,000/-**

**Note:**

- Tender must be quoted in figure & in words both otherwise liable to be cancelled.
- All over writing & correction if any must be initialed & stamped by the bidder.

**Signature of the Contractor with Stamp**

**Address:** \_\_\_\_\_

Checked By :

## Bidding Data

(This section should be filled in by the Engineer / Procuring Agency before issuance of the Bidding Documents).

- a) **Name of Procuring Agency:** Karachi Metropolitan Corporation (KMC).
- b) **Brief Description of Work:** IMPROVEMENT & REHABILITATION OF ABBASI SHAHEED HOSPITAL (PROVIDING, INSTALLATION AND COMMISSIONING OF L.T. PANEL V.C.B 11 KV AND PFI PLANT 750 KVAR, ALONG WITH ALLIED ACCESSORIES).
- c) **Procuring Agency Address:** 4<sup>th</sup> Floor Civic Centre, Engineering Department, KMC, Karachi.
- d) **Estimated Cost:** Rs.20.000 Million
- e) **Amount of Bid Security:** Rs. 0.400 Million
- f) **Period of Bid Validity (days):** 120 Days
- g) **Security Deposit (i/c bid security):** 10% of Quoted Amount
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- i) **Deadline for submission of bid along with time:** As per NIT
- j) **Venue, Time and date of bid opening:** Office of the Chief Engineer (E&M), KMC situated at 4<sup>th</sup> Floor, Civic Centre Gulshan-e-Iqbal Karachi, on 10-11-2015 at 2:30 PM.
- k) **Liquidity damages:** Rs.3,000/- per day
- l) **Deposit Receipt No. Date & Amount:**