KARACHI METROPOLITAN CORPORATION

ENGINEERING DEPARATMENT

Tender Reference No.KMC/CM/ED/ 19 /2014-15

BILL OF QUANTITIES

RATE RUNNING CONTRACT FOR IMPROVEMENT / REHABILITATION IN E&M WORKS OF KMC HOSPITALS & MATERNITY HOMES.

NOTE:
The Condition of contract will be available on KMC website (www.karachicity.gov.pk).

Estimate Cost: -	**Rs.30,00,000/=**
Bid Security: -	**Rs.60,000/=**
Tender Cost: -	**Rs.3,000/=**

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 Works:**	Rate Running Contract for Improvement / Rehabilitation in E&M Works of KMC Hospitals & Maternity Homes.
c)	**Procuring Agency Address:**	4th Floor Civic Centre, Engineering Department KMC, Karachi.
d)	**Estimated Cost:**	Rs.30,00,000/= (Tender Cost Rs.3,000/=)
e)	**Amount of Bid Security:**	Rs.60,000/= (2%)
f)	**Period of Bid validity(days):**	90 days.
g)	**Security Deposit (Including bid security):**	10% of the total cost (2% of bid amount plus 8% from the bill).
h)	**Percentage, if any, to be deducted from bills:**	8%
i)	**Deadline for submission of bid along with time:**	As per NIT
j)	**Venue, Time and date of bid Opening:**	Committee Room of Engineering Department, 4th Floor, Civic Centre, Gulshan-e-Iqbal, Karachi19-11-2014 at 2.30 P.M.
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). NTN Certificate

ii). Valid Professional TAX.

Minimum Qualification Criteria:

iii). Bid Security, as mentioned in the NIT & Bidding Documents, is furnished.

iv). All rates quoted including the total amount of the bid shall be in figures & words (both).

v). All corrections / overwriting shall be clearly re-written with initials & duly stamped by the bidder.

vi). 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.

vii). The minimum turn over / work experience with satisfactory completion report in last 2 years or at least 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 CORPORATIN
ENGINEERING DEPARTMENT

Subject:- **RATE RUNNING CONTRACT FOR IMPROVEMENT / REHABILITATION IN E&M WORKS OF KMC HOSPITALS & MATERNITY HOMES.**

Estimated Cost: **Rs.30,00,000/=**
Earnest Money: **Rs.60,000/=**
Tender Cost: **Rs.3,000/=**

S.No.	DESCRIPTION	QTY	UNIT	Rate (in figure)	Rate (in figure)	AMOUNT
1.	Wiring for light or fan point with 3/0.29 PVC insulated copper conductor sir gle core wire in suitable size of PVC conduit / channel patty on surface as required column complete in all aspect.	1	Job			
2.	Wiring for main / sub main / circuit / light plug with following sizes of PVC insulated copper conductor single core wire in suitable size of PVC conduit recessed in the wall or column complete in all aspect.					
a)	2 x 7/0.29					
b)	2 x 7/0.44					
c)	2 x 7/0.64					
d)	3-core 4mmsq					
e)	3-core 1.5mm					
3.	P/Laying main / sub main with following sizes and core of PVC / PVC 99.99% copper conductor cable in given sizes of PVC conduit / dura duct.					
a)	4-core 10mmsq					
b)	4-core 16mmsq					
c)	4-core 50mmsq					
d)	4-core 95mmsq					
e)	4-core 120mmsq					
4.	Providing, fixing, testing & commissioning of 56" ceiling fan complete with all fixing accessories, all pre-wired & ready for use (Pak fans, Millat & Royal / Equivalent).	1	No.			
5.	Providing, fixing, testing & commissioning of 12" exhaust fan complete metal body with all fixing accessories, all pre-wired & ready for use.	1	No.			
6.	Providing, fixing, & connecting of	1	No.			

	following gang of switch (Clipsal / MK / Orange / Equivalent) make fixed on suitable size of PVC / MS back boxes complete in all respect.					
a)	One gang	1	No.			
b)	Two gang	1	No.			
c)	Three gang	1	P/Sft			
d)	Four gang	1	No.			
e)	Five gang	1	No.			
f)	Switch six gang	1	No.			
g)	Fan control dimmers with switch (Fancy/China).	1	No.			
7.	P/F & connecting of 15 Amps 3 pin switch socket outlet (Clipsal / Orange/ MK) complete with suitable size PVC/MS back box recessed in wall.	1	No.			
8.	P/F & connecting of 10 Amps 3 pin switch socket outlet (Clipsal / Orange/ MK) complete with suitable size PVC/MS back box recessed in wall.	1	No.			
9.	P/F & connecting of 10/13 Amps 3 pin switch socket outlet (Germany Socket Clipsal / Orange/ MK) complete with suitable size PVC back box recessed in wall.	1	No.			
10.	Providing, fixing, testing & commissioning of light fixture & other accessories such as, Chain Rod, Screw, foundation for garden light etc complete in all respect.					
a)	P/F of tube light fitting 2x40 watt surface type made of post painted steel pre anodized (TMS) complete with starter, ballast and tube rod.	1	No.			
b)	P/F of tube light fitting 1x40 watt surface type made of post painted steel pre anodized (TMS) complete with starter, ballast and tube rod.	1	No.			
c).	P/F of tube light fitting 2x28 watt surface type made of post painted steel pre anodized (TMS) complete with electronic ballast and tube rod 28 watt T5.	1	No.			
d)	P/F of florescent tube rod 40 watt.	1	No.			

f)	P/F of florescent tube rod 28 watt T4 lamp color 84.	1	No.			
g)	P/F of electronic ballast TL-D 220-230 EP for T5 lamp 28 watt.	1	No.			
h)	P/F of electronic ballast for 40 watt florescent lamp.	1	No.			
i)	P/F patti fitting 4 ft long.	1	No.			
j)	P/F of Energy Saver lamp 24-25 watt.	1	No.			
k)	P/F of electromagnetic ballast 250 watt for the son-T lamp.	1	No.			
l)	P/F of igniter for 250 watt son lamp	1	No.			
m)	P/F of Son lamp-T 250 watt.	1	No.			
n)	P/F of electromagnetic ballast 70 watt for the son lamp.	1	No.			
o)	P/F of igniter for 70 watt son lamp	1	No.			
p)	P/F of Son lamp 70 watt.	1	No.			
q)	P/F of bulb holder E-27 for son lamp 250 watt.	1	No.			
r)	P/F of bulb holder E-27 for son lamp 70 watt.	1	No.			
s)	P/F of flood light fitting 250 watt complete with ballast, igniter, capacitor and lamp 250 watt son-T	1	No.			
11.	P/F of light plug 3 pin type E-series Clipsal / Equivalent).	1	No.			
12.	P/F of power plug 3 pin type E-series Clipsal / Equivalent).	1	No.			
13.	P/F of light plug 3 pin German type E-series Clipsal / Equivalent).	1	No.			
14.	P/F of light plug 3 pin type.	1	No.			
15.	P/F of power plug 15 ampere.	1	No.			
16.	P/F of ceiling rose P/F of light plug 3 pin type E-series Clipsal / Equivalent).e best quality on the wall / roof.	1	No.			
17.	P/F of bulb holder pin type surface on wall or column.	1	No.			
18.	P/M/Fof fan hooks MS make i/c cutting of roof and plaster.	1	No.			
19.	P/F of one way single pole switch 5 ampere piano type.	1	No.			
20.	P/F of tow pine plug socket single pole switch 5 ampere piano type.	1	No.			
21.	P/Installation of following size of circuit breaker and magnetic contactor i/c cost of connection and termination complete in all aspect (Japna/Germany/France).	1	No.			

a)	TP 30 ampere XE-100CS.	1	No.			
b)	TP-60 ampere XE-100CS.	1	No.			
c)	TP 100 ampere XS-100NS.	1	No.			
d)	TP-225 ampere XS-250N3.	1	No.			
e)	Magnetic contactor AC3 13 apere.	1	No.			
f)	Magnetic contactor AC3 26 3p+1a apere.	1	No.			
g)	Magnetic contactor AC3 50 apere.	1	No.			
h)	Auxiliary contactor 13.5 ampere 2a+2b.	1	No.			
i)	Auxiliary contactor 10 ampere 2a+2b.	1	No.			
22.	P/F of UPVC Dura duct on surface of the wall or column complete in all aspect with following sizes.					
a)	½ inch size.	1	Ft.			
b)	¾ inch size.	1	Ft.			
c)	1 inch size.	1	Ft.			
d)	2 inch size.	1	Ft.			
23.	P/F of PVC conduit on surface of the wall or column complete in all aspect with following sizes.	1	P/Feet			
a)	¾ inch size.	1	Ft.			
b)	1 ½ inch size.	1	Ft.			
c)	2 inch size.	1	Ft.			
d)	4 inch size.	1	Ft.			
24.	P/F of following type of PVC board surface type.					
a)	4" x 4".	1	Each			
b)	4" x 6".	1	Each			
25.	P/Installation and connection of electric timer multi range with base plate 220 volt A.C 5 ampere.	1	Each			
26.	P/Installation and connection of automatic timer switch quartz type with 500 hours power failure back up 220 volt 10 ampere.	1	Each			
27.	P/Installation and connection of phase failure, phase sequence, U/V and O/V relay.	1	Each			
28.	Removing & rewinding of ceiling / pedestal / wall bracket / exhaust fan then re-fixing the same.	1	Job			
29.	Removing & Replacement of ball bearing 2 Nos. for ceiling / pedestal / wall bracket / exhaust fan then re-fixing the same.	1	Job			
30	Scraping & painting of ceiling / pedestal / wall bracket / exhaust fan then re-fixing the same.	1	Job			

	WATER PUMP SET					
31.	Removing of the water pump set 20/25 hp 5x4/4x3 inch size for repairing purpose.	1	Job			
a)	Replacement of ball bearing suitable size 2 Nos.	1	Job			
b)	Replacement of Shaft.	1	Job			
c)	Replacement of impeller	1	Job			
d)	Replacement of impeller bus.	1	Job			
e)	Lath Machine work.	1	Job			
32.	Removing of the electric motor 1400/2800 rpm for water pump set 20/25 hp size for repairing purpose.	1	Job			
a)	Replacement of ball bearing suitable size 2 Nos.	1	Job			
b)	Rewinding with copper wire as existing gauge complete.	1	Job			
c)	Replacement of fan.	1	Job			
33.	P/F of cost iron pulley 5 inch dia with rubber packing.	1	Set			
34.	P/F of cost iron pulley 4 inch dia with rubber packing.	1	Set			
35.	Removing of the water pump set 2-5 hp 2x1.5 inch size for repairing purpose.	1	Job			
a)	Replacement of ball bearing suitable size 2 Nos.	1	Job			
b)	Replacement of Shaft.	1	Job			
c)	Replacement of impeller	1	Job			
d)	Replacement of impeller bus.	1	Job			
e)	Lath Machine work.	1	Job			
36.	Removing of the electric motor 1400/2800 rpm for water pump set 5 hp size for repairing purpose.	1	Job			
a)	Replacement of ball bearing suitable size 2 Nos.	1	Job			
b)	Rewinding with copper wire as existing gauge complete.	1	Job			
c)	Replacement of fan.	1	No.			
37.	P/F sluice valve 4 inch dia.	1	No.			
38.	P/F sluice valve 5 inch dia.	1	No.			
39.	P/F ball valve 2 inch dia.	1	No.			
40.	P/F ball valve 1.5 inch dia.	1	No.			
41.	P/F foot valve 5 inch dia.	1	No.			
42.	P/F ball valve 4 inch dia.	1	No.			
43.	P/F ball valve 2 inch dia.	1	Ft.			
44.	P/F of MS pipe 5 inch dia including making of thread both side/welding works including required size of nut bolts.					

45.	P/F of G.I pipe 4 inch dia.	1	Ft.			
46.	P/F of G.I pipe 2 inch dia.	1	Ft.			
47.	P/F of G.I pipe 1.5 inch dia.	1	Ft.			
48.	P/F of MS flanges 5 inch dia with welding / making of thread work.	1	No.			
49.	P/F of MS flanges 4 inch dia with welding / making of thread work.	1	No.			
50.	P/F of Non-return valve 5 inch dia with welding / making of thread work.	1	No.			
51.	P/F of Non-return valve 4 inch dia with welding / making of thread work.	1	No.			

KARACHI METROPOLITAN CORPORATION
ENGINEERING DEPARTMENT

Subject: **RATE RUNNING CONTRACT FOR IMPROVEMENT / REHABILITATION IN E&M WORKS OF KMC HOSPITALS & MATERNITY HOMES.**

Estimated Cost:- **Rs. 30,00,000/=**
Bid Security:- **Rs. 60,000/=**
Tender Cost: - **Rs.3,000/=**

I / We hereby quoted as follows:

The total amount is Rs._____ (Rupees_____
(in Figure) (In Words)
_____ for complete job.

I / We have attached a pay order bearing No. _____dated _____issued from
_____ amounting to Rs. _____ as per NIT.
(Name of Bank)

Completion Time : 90 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.
- All prevailing rules regarding condition of contract will be applicable.

Signature of the Contractor with Stamp

Address: _____

_____

KARACHI METROPOLITAN CORPORATION

ENGINEERING DEPARATMENT

Tender Reference No.KMC/CM/ED/ 21 /2014-15

BILL OF QUANTITIES

RATE RUNNING CONTRACT FOR REPAIRING & MAINTENANCE OF SPLIT, WINDOW & PACKAGE TYEP AIR-CONDITIONS OF KMC HOSPITALS & MATERNITY HOMES.

NOTE:
The Condition of contract will be available on KMC website (www.karachicity.gov.pk).

Estimate Cost: - **Rs.15,00,000/=**
Bid Security: - **Rs.30,000/=**
Tender Cost: - **Rs.3,000/=**

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 Works:**	Rate Running Contract for Repairing & Maintenance of Split, Window & Package Type Air-Conditions of KMC Hospitals & Maternity Homes.
c)	**Procuring Agency Address:**	4th Floor Civic Centre, Engineering Department KMC, Karachi.
d)	**Estimated Cost:**	Rs.15,00,000/= (Tender Cost Rs.3,000/=)
e)	**Amount of Bid Security:**	Rs.30,000/= (2%)
f)	**Period of Bid validity(days):**	90 days.
g)	**Security Deposit (Including bid security):**	10% of the total cost (2% of bid amount plus 8% from the bill).
h)	**Percentage, if any, to be deducted from bills:**	8%
i)	**Deadline for submission of bid along with time:**	As per NIT
j)	**Venue, Time and date of bid Opening:**	Committee Room of Engineering Department, 4th Floor, Civic Centre, Gulshan-e-Iqbal, Karachi 19-11-2014 at 2.30 P.M.
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). NTN Certificate

ii). Valid Professional TAX.

Minimum Qualification Criteria:

iii). Bid Security, as mentioned in the NIT & Bidding Documents, is furnished.

iv). All rates quoted including the total amount of the bid shall be in figures & words (both).

v). All corrections / overwriting shall be clearly re-written with initials & duly stamped by the bidder.

vi). 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.

vii). The minimum turn over / work experience with satisfactory completion report in last 2 years or at least 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 CORPORATIN
ENGINEERING DEPARTMENT

Subject:- **RATE RUNNING CONTRACT FOR REPAIRING & MAINTENANCE OF SPLIT, WINDOW & PACKAGE TYPE AIR-CONDITONS OF KMC HOSPITALS & MATERNITY HOMES.**

Estimated Cost: **Rs.15,00,000/=**
Earnest Money: **Rs.30,000/=**
Tender Cost: **Rs.3,000/=**

S.No.	DESCRIPTION	QTY	UNIT	Rate (in figure)	Rate (in figure)	AMOUNT
A.	**Servicing & Trouble Shooting.**					
1.	Complete servicing of indoor and outdoor unit of Split unit air conditions by the help of water and cleaning the same the re-fixing at site having cooling capacity 12000 btu to 24000 btu complete in all respect.	1	Job			
2.	Complete servicing of air conditioning package type unit having cooling capacity 152599 to 210000 btu/hr.	1	Job			
A-1	**Replacement of Parts Including Labor Charges.**					
1.	P/F of reciprocating / Rotary type compressor i/c sot of removing old one for window / split unit air condition with following sizes.					
a)	24000 btu/hr.	1	Job			
b)	18000 btu/hr.	1	Job			
c)	12000 btu/hr.	1	Job			
d)	152500 btu/hr (for package unit A.C).	1	Job			
e)	210000 btu/hr (for package unit A.C).	1	Job			
2.	P/F of air condition condenser for split unit i/c cost of removing old one with following sizes.					
a)	24000 btu/hr.	1	Job			
b)	18000 btu/hr.	1	Job			

c)	12000 btu/hr.	1	Job			
d)	152500 btu/hr (for package unit A.C).	1	Job			
e)	210000 btu/hr (for package unit A.C).	1	Job			
3.	P/F of air condition condenser for window A.C i/c cost of removing old one with following sizes.					
a)	24000 btu/hr.	1	No.			
b)	18000 btu/hr.	1	No.			
4.	P/F of air condition fan motor for split unit i/c cost of removing old one with following sizes.					
a)	24000 btu/hr.	1	No.			
b)	18000 btu/hr.	1	No.			
c)	12000 btu/hr.	1	No.			
d)	1.5 KW electric motor 3 phase 900 rpm for package unit A.C.	1	No.			
5.	P/F of air condition fan motor for window type A.C i/c cost of removing old one with following sizes.					
a)	24000 btu/hr.	1	No.			
b)	18000 btu/hr.	1	No.			
c)	12000 btu/hr.	1	No.			
6.	P/F of air condition condenser fan blade for split unit i/c cost of removing old one with following sizes.					
a)	24000 btu/hr.	1	No.			
b)	18000 btu/hr.	1	No.			
c)	12000 btu/hr.	1	No.			
d)	152500 btu/hr (for package unit A.C).	1	No.			
e)	210000 btu/hr (for package unit A.C).	1	No.			

7.	P/F of Relay Circuit plate for Air Condition split type unit i/c cost of removing old one with following sizes.					
a)	24000 btu/hr.	1	No.			
b)	18000 btu/hr.	1	No.			
c)	12000 btu/hr.	1	No.			
8.	P/F of starting capacitor for Air Condition split type unit / window type i/c cost of removing old one with following sizes.					
a)	24000 btu/hr.	1	No.			
b)	18000 btu/hr.	1	No.			
c)	12000 btu/hr.	1	No.			
9.	P/F of circuit breaker /MCB DP 20 ampere (Japan / Germany / France.	1	No.			
10.	P/F of circuit breaker / MCB DP 16 ampere (Japan / Germany / France).	1	No.			
11.	P/F of bracket made of iron angle for outdoor unit of split unit air condition.	1	No.			
12.	P/Installation of copper wire pipe with following size.					
a)	1/4 inch dia	1	Rft			
b)	1/2 inch dia	1	Rft			
c)	3/8 inch dia	1	Rft			
d)	5/8 inch dia	1	Rft			
13.	P/F of insulation pipe suitable for covering the copper pipe of the split unit air condition.	1	Rft			
14.	P/Installation of gas valve for outdoor unit of air condition with following sizes.					
a)	1/4 inch dia	1	Rft			
b)	1/2 inch dia	1	Rft			
c)	3/8 inch dia	1	Rft			

d)	5/8 inch dia	1	Rft			
15.	P/F of thermostat for window type air condition i/c cost of removing the old.	1	No.			
16.	P/F of over load relay TP 40 ampere (Japan / Germany / France) for package type A.C	1	No.			
17.	P/F of electric contractor 40 ampere (Japan / Germany / France) for package type A.C	1	No.			
18.	P/F of electric contractor 20 ampere (Japan / Germany / France) for package type A.C	1	No.			
19.	P/F of cartage fuse 6 ampere for package type A.C.	1	No.			
20.	P/F of fan V-belt as per required size for package unit A.C)	1	No.			
21.	P/F of timer relay with base plate.	1	No.			
22.	Providing of remote control for the split unit air condition up to 24000 btu/hr cooling capacity complete with battery cell.	1	No.			
A-II	**Repairing / Job Work.**					
1.	Dismantling the split unit air condition complete with indoor and outdoor unit up to 2 ton capacity.	1	Job			
2.	Installation of split unit air condition up to 2 ton capacity complete with indoor, outdoor unit, copper pipe, bracket and other allied accessories (given).	1	Job			
3.	Dismantling and repairing of Compressor 24000 btu/hr with replacement of winding, pump, refilling the oil and etc then re-fixing the same in outdoor unit of split unit air condition.	1	Job			
4.	Dismantling and repairing of Compressor 18000 btu/hr with replacement of winding, pump, refilling the oil and etc then re-fixing the same in outdoor unit of split unit air condition.	1	Job			
5.	Dismantling and repairing of Compressor 12000 btu/hr with replacement of winding, pump, refilling the oil and etc then re-fixing the same in outdoor unit of split unit air condition.	1	Job			

6.	Dismantling and repairing of Compressor 152500 btu/hr with replacement of winding, pump, refilling the oil and etc then re-fixing the same to package unit air condition.	1	Job			
7.	Dismantling and repairing of Compressor 210000 btu/hr with replacement of winding, pump, refilling the oil and etc then re-fixing the same to package unit air condition.	1	Job			
8.	Leak checking then removing the leak where is required with gas welding the refilling the gas F-22 up to the mark for best cooling for 2 tons capacity split unit i/c cost of both side cartage.	1	Job			
A-III	**Repairing / Job Work.**					
1.	Dismantling the split unit air condition complete with indoor and outdoor unit up to 2 ton capacity.	1	Job			
2.	Installation of split unit air condition up to 2 ton capacity complete with indoor, outdoor unit, copper pipe, bracket and other allied accessories (given).	1	Job			
3.	Dismantling and repairing of Compressor 24000 btu/hr with replacement of winding, pump, refilling the oil and etc then re-fixing the same in outdoor unit of split unit air condition.	1	Job			
4.	Dismantling and repairing of Compressor 18000 btu/hr with replacement of winding, pump, refilling the oil and etc then re-fixing the same in outdoor unit of split unit air condition.	1	Job			
5.	Dismantling and repairing of Compressor 12000 btu/hr with replacement of winding, pump, refilling the oil and etc then re-fixing the same in outdoor unit of split unit air condition.	1	Job			
6.	Dismantling and repairing of Compressor 152500 btu/hr with replacement of winding, pump, refilling the oil and etc then re-fixing the same to package unit air condition.	1	Job			

7.	Dismantling and repairing of Compressor 210000 btu/hr with replacement of winding, pump, refilling the oil and etc then re-fixing the same to package unit air condition.	1	Job			
8.	Leak checking then removing the leak where is required with gas welding the refilling the gas F-22 up to the mark for best cooling for 2 tons capacity split unit i/c cost of both side cartage.	1	Job			
9.	Leak checking then removing the leak where is required with gas welding the refilling the gas F-22 up to the mark for best cooling for 1.5 tons capacity split unit i/c cost of both side cartage.	1	Job			
10.	Leak checking then removing the leak where is required with gas welding the refilling the gas F-22 up to the mark for best cooling for 01 tons capacity split unit/c cost of both side cartage.	1	Job			
11.	Leak checking then removing the leak where is required with gas welding the refilling the gas F-22 up to the mark for best cooling for 10 tons capacity package unit.	1	Job			
12.	Leak checking then removing the leak where is required with gas welding the refilling the gas F-22 up to the mark for best cooling for 16 tons capacity package unit air condition.	1	Job			
13.	Dismantling the circuit (P.C) board and trouble shouting the fault then replacement the burnt / short material / accessories the re-fixing the same of split unit air condition up to 24000 btu/hr cooling capacity complete in all aspect.	1	Job			
14.	Dismantling the circuit (P.C) board and trouble shouting the fault then replacement the burnt / short material / accessories the re-fixing the same of package unit air condition up to 210000 btu/hr cooling capacity complete in all aspect.	1	Job			

15.	Dismantling the fan motor of split unit and rewinding the same for up to 24000 btu complete in all aspect.	1	Job			
16.	Dismantling the fan motor of window type A.C and rewinding the same for up to 24000 btu complete in all aspect.	1	Job			
17.	Dismantling the fan motor of split unit for replacement of ball bearing; up to 24000 btu/hr cooling capacity.	1	Job			
18.	Dismantling the fan motor of window type A.C for replacement of ball bearing up to 24000 btu/hr cooling capacity then re-fixing the same.	1	Job			

KARACHI METROPOLITAN CORPORATION
ENGINEERING DEPARTMENT

Subject: **RATE RUNNING CONTRACT FOR REPAIRING & MAINTENANCE OF SPLIT, WINDOW & PACKAGE TYPE AIR-CONDITONS OF KMC HOSPITALS & MATERNITY HOMES.**

Estimated Cost:- **Rs. 15,00,000/=**
Bid Security:- **Rs. 30,000/=**
Tender Cost: - **Rs.3,000/=**

I / We hereby quoted as follows:

The total amount is Rs._____ (Rupees_____
(in Figure) (In Words)
_____ for complete job.

I / We have attached a pay order bearing No. _____dated _____issued from

_____ _____ amounting to Rs. _____ as per NIT.
(Name of Bank)

Completion Time : 90 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.
- All prevailing rules regarding condition of contract will be applicable.

Signature of the Contractor with Stamp

Address: _____

_____

KARACHI METROPOLITAN CORPORATION

ENGINEERING DEPARATMENT

Tender Reference No.KMC/CM/ED/ 20 /2014-15

BILL OF QUANTITIES

RATE RUNNING CONTRACT FOR IMPROVEMENT / REHABILITATION IN PATIENT & PASSENGER LIFTS OF KMC HOSPITALS & BUILDINGS.

NOTE:
The Condition of contract will be available on KMC website (www.karachicity.gov.pk).

Estimate Cost: - Rs.20,00,000/=
Bid Security: - Rs.40,000/=
Tender Cost: - Rs.3,000/=

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 Works:**	Rate Running Contract for Improvement / Rehabilitation in Patient & Passenger Lifts of KMC Hospitals & Buildings.
c)	**Procuring Agency Address:**	4th Floor Civic Centre, Engineering Department KMC, Karachi.
d)	**Estimated Cost:**	Rs.20,00,000/= (Tender Cost Rs.3,000/=)
e)	**Amount of Bid Security:**	Rs.40,000/= (2%)
f)	**Period of Bid validity(days):**	90 days.
g)	**Security Deposit (Including bid security):**	10% of the total cost (2% of bid amount plus 8% from the bill).
h)	**Percentage, if any, to be deducted from bills:**	8%
i)	**Deadline for submission of bid along with time:**	As per NIT
j)	**Venue, Time and date of bid Opening:**	Committee Room of Engineering Department, 4th Floor, Civic Centre, Gulshan-e-Iqbal, Karachi 19-11-2014 at 2.30 P.M.
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). NTN Certificate

ii). Valid Professional TAX.

Minimum Qualification Criteria:

iii). Bid Security, as mentioned in the NIT & Bidding Documents, is furnished.

iv). All rates quoted including the total amount of the bid shall be in figures & words (both).

v). All corrections / overwriting shall be clearly re-written with initials & duly stamped by the bidder.

vi). 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.

vii). The minimum turn over / work experience with satisfactory completion report in last 2 years or at least 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 CORPORATIN
ENGINEERING DEPARTMENT

Subject:- **RATE RUNNING CONTRACT FOR IMPROVEMENT / REHABILITATION IN PATIENT & PASSENGER LIFTS OF KMC HOSPITALS & BUILDINGS.**

Estimated Cost: **Rs.20,00,000/=**
Earnest Money: **Rs.40,000/=**
Tender Cost: **Rs.3,000/=**

S.No.	DESCRIPTION	QTY	UNIT	Rate (in figure)	Rate (in figure)	AMOUNT
A	**Servicing & Trouble Shooting.**					
1.	Monthly servicing as per scope of work (once in a month) including trouble shooting whenever required during the month for up to G+2 floor local / Imported swing door/ sliding, bed lift/ Passenger lift, Cargo lift.	1	Job			
2.	Monthly servicing as per scope of work (once in a month) including trouble shooting whenever required during the month for up to G+4 floor local/Imported swing door /sliding door, bed lift/ Passenger lift, Cargo lift.	1	Job	1		
3.	Monthly servicing as per scope of work (once in a month) including trouble shooting whenever required during the month for up to G+9 floor partially local & partially Imported swing door, bed lift/ Passenger lift, Cargo lift.	1	Job			
B	**Replacing of Parts & Including Labor Charges**					
1.	P/F of diode bridge heat sink type as per existing rated. (Imported).	1	No.			
2.	P/F of main inverter for Hyundai / China lifts 20 hp complete with testing.	1	No.			
3.	P/F of main P.C.B controller card	1	No.			
4.	P/F of display card 05 Pieces as required.	1	No.			
5.	P/F of C.O.P. communication P.C card	1	No.			
6.	P/F of leveling inductor 05 pieces complete	1	No.			
7.	P/F of encoder	1	No.			

31.	P/F of booster open/close type (Local).	1	No.			
32.	P/F of door lock completes (Local).	1	No.			
33.	P/F of door handle.	1	No.			
34.	P/F of over load relay 7-12 ampere 440 volt (Japan / Germany / France).	1	No.			
35.	P/F of circumatic fan 16 inch size plastic body (Pak/Millat/GFC).	1	No.			
36.	P/F of aluminum / steel sheet for fixing of push button of lift.	1	No.			
37.	P/F of TP MCCB 60 ampere (Japan/Germany/France).	1	No.			
38.	P/F of door /grill locks lever.	1	No.			
39.	P/F of door drive opening roller (Local)	1	No.			
40.	P/F of over load switch for door drive 1-1-12 inch (imported).	1	No.			
41.	P/F of door drive gate switch.	1	No.			
42.	P/F of door sleeper completes (Local)	1	No.			
43.	P/F of "I" bolt spring (Local).	1	No.			
44.	P/F of door roller (Local).	1	No.			
45.	P/F of door shoe (Local).	1	No.			
46.	P/F of door open roller (Local).	1	No.			
47.	P/M/Installation of MS box 16mm thickness 30 inch x 45 inch x 10 inch (L x B x Deep) including the inner sheet with aluminum patty for holding the electric components and PVC ducting channel with cover for control wiring complete in all aspect as per instruction of E.I.	1	No.			
48.	P/F of door selector device 110/220 volt imported as per required size and shape.	1	No.			
49.	P/F of booster bracket made of angle iron as per required size and shape.	1	No.			
50.	P/F of door glass supporting (Frame) MS make as per required shape and size.	1	No.			
51.	P/F of circuit breaker 2 ampere SP (Japan/ Germany/France).	1	No.			
52.	P/F of guide supporting (MS make).	1	No.			
53.	P/F of main break manual operating lever/Rod.	1	No.			

8.	P/F of Relay pin type with base plate 220/110 volt AC (Pin should be as per existing sample) Germany / Japan / France.	1	No.			
9.	P/F of relay/ Contractor 15-20 ampere 220/110 volt A.C (Germany / Japan/France.	1	No.			
10	P/F of relay's base plate 220/110 volt AC pin type (Germany / Japan/ France).	1	No.			
11.	P/F of safety wire glass should be installed on the lift's door as per required size and shape (Local make).	1	P/Sft			
12.	P/F of PVC insulated copper conductor 24-core 40/0.076 flat cable.	1	No.			
13.	P/F of cartage fuse 24 ampere (Imported).	1	No.			
14.	P/F of ATL switch (Limit switch) imported.	1	No.			
15.	P/F of steel wire rope (1+8+19) 11 mm to 13mm imported.	1	No.			
16.	P/ F of step down transformer A.C 440/110 5 ampere.	1	No.			
17.	P/F of Magnetic contractor 220/110 volt AC triple pole 60 ampere.	1	No.			
18.	P/F of door closer hydraulic heavy duty.	1	No.			
19.	P/F of "I" bolt MS make as per require size.	1	No.			
20.	P/F of "U" clamp MS make as per require size.	1	No.			
21.	P/F of bulb 12 volt 13 watt (for indication use).	1	No.			
22.	P/F of door retiring cam (Local).	1	No.			
23.	P/Filling gear Oil 140 – Shell.	1	Liter			
24.	P/F of speed governor set complete (Local).	1	P/Set			
25.	P/F of door contact (Local).	1	No.			
26.	P/F of phase protector / Triphaser.	1	No.			
27.	P/F of nylon shoe 5-16mm dia (Local).	1	No.			
28.	P/F of electric timer 0-30 second 220/110 volt (Japan / Germany / France).	1	No.			
29.	P/F door lock lever along with key.	1	No.			
30.	P/F of push button for lift (Imported) except China.	1	No.			

54.	P/F of rubber tiles /roll for lift's car cabin 4'x6' size minimum as per instruction of E.I	1	No.			
55.	P/F of for ceiling lift's car cabin 4'x6' size minimum.	1	No.			
56.	P/F of guide clip.	1	No.			
57.	P/F of shelter plate.	1	No.			
58.	P/F of rowel bolt.	1	No.			
59.	P/F of push button / call button with aluminum sheet / plate as required size & shape complete in all aspect as per instruction of E.I	1	No.			
60.	P/F of buffer spring.	1	No.			
61.	P/F of over load relay 12-18 ampere TP 440 volt (Japan / France / Germany).	1	No.			
62.	P/F of main guide rail 16 mm thickness (Imported).	1	P/Feet			
63.	P/F of counter weight's guide rail (imported).	1	P/Feet			
64.	P/F of speed governor's wire rope (Imported).	1	P/Feet			
65.	P/F of push button with indication (Imported).	1	No.			
66.	P/F ply wood 7-ply sheet.	1	P/Sft			
67.	P/F of relay blocks AU-4 Imported.	1	No.			
68.	P/F of time base.	1	No.			
69.	P/F of "I" bolt inner supporting clip.	1	No.			
70.	P/F of mirror (China) for lift's car cabin as per required size and shape as per instruction of E.I	1	P/Sft			
71.	P/F of wooden / Aluminum 1 inch thickness breath for supporting rail in car cabin as per required size and shape as per instruction of E.I.	1	P/Rft			
72.	P/F of fiber shoe 5-16mm size for car cabin, counter weight frame complete in all aspect.	1	No.			
73.	P/f of rubber bush for coupling of motor as per required size.	1	No.			
74.	P/F of micro switch (Imported).	1	No.			
75.	P/F of motor's coupling cast Iron make.	1	No.			
76.	P/F of door retiring cam (Imported).	1	No.			
77.	M/P lift car cabin board' switch key.	1	No.			

78.	M/P Lift's door key.	1	No.			
79.	P/Installation of lift car cabin board /panel complete with call button up to G+ 4 floors along with allied accessories and control connection i/c cost of removing the old one.	1	No.			
80.	P/F of lift car cabin board switches (Lock &Key).	1	No.			
81.	P/F of push buttons MS steel plate as required size and shape especially for Gold Star lift.	1	No.			
82.	P/F of door stopper especially for Gold Star lift.	1	No.			
83.	P/F of door 2 drums cams / hanger roller especially for Gold Star lift.	1	No.			
84.	P/F of indicator bulb 24 volt 15 watt (especially for Gold Star lift).	1	No.			
85.	P/F of car cabin shoe especially for Gold Star lift.	1	No.			
86.	P/F of door sleeper especially Gold Star lifts.	1	No.			
87.	P/F of door push call button 125 volt 10 watt especially for Gold Star lift.	1	No.			
88.	P/F of switch button especially for Gold Star lift.	1	No.			
89.	P/F of push button box with digital indication.	1	No.			
90.	P/F of over load relay 7-12 ampere TP (Japan / France / Germany).	1	No.			
91.	P/F of push button / call button along with cover plate box recessed in the wall or column.	1	No.			
92.	P/F of call button along with cover plate / box and indication light as per required size and shape.	1	No.			
93.	P/Installation of lift car cabin board /panel complete with call button up to G+ 2 floors along with allied accessories and control connection i/c cost of removing the old one.	1	No.			
C.	**Repairing / Job Work.**					
1.	Dismantling up to 20 HP 3-Phase single/ double speed lift's motor for rewinding or replacement of bushes / bearing re-fixing the same complete in all aspect.	1	Job			

2.	Repairing of lift door by means of denting, painting and welding work complete in all aspect for smooth running the door.					
3.	Dismantling the gear box of the traction machine with the help of chain block for overhauling including the replacement of the all gas kits and oil seal then re-fixing the same complete in all aspect of operation.	1	Job			
4.	Complete painting of lift door and its frame with high quality oil paint as per instruction of E.I.	1	Job			
5.	M/P/F of fly wheel cast iron made as per required size and shape with painting work.	1	Job			
6.	M/P/F of cost iron pulley for lift traction machine 3-6 groves up to 12 inch.	1	Job			
7.	M/P/F of cost iron pulley for lift traction machine 3-6 groves up to 18 inch.	1	Job			
8.	Rewinding of lift's motor complete in all aspect including the transportation.	1	Job			
A.	Up to 20 HP single speeds.	1	Job			
B.	Up to 30 HP single speeds.	1	Job			

KARACHI METROPOLITAN CORPORATION
ENGINEERING DEPARTMENT

Subject: **RATE RUNNING CONTRACT FOR IMPROVEMENT / REHABILITATION IN PATIENT & PASSENGER LIFTS OF KMC HOSPITALS & BUILDINGS.**

Estimated Cost:- **Rs. 20,00,000/=**
Bid Security:- **Rs. 40,000/=**
Tender Cost: - **Rs. 3,000/=**

I / We hereby quoted as follows:

The total amount is Rs._____ (Rupees_____
(in Figure) (In Words)
_____ for complete job.

I / We have attached a pay order bearing No. _____dated _____issued from

_____ amounting to Rs. _____ as per NIT.
(Name of Bank)

Completion Time : 90 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.
- All prevailing rules regarding condition of contract will be applicable.

Signature of the Contractor with Stamp

Address: _____

_____

SPPRA BIDDING DOCUMENT

STANDARD BIDDING DOCUMENT

PROCUREMENT OF WORKS

(For Contracts Costing up to Rs 2.5 MILLION)

Standard Bidding Document is intended as a model for admeasurements (Percentage Rate/unit price for unit rates in a Bill of Quantities) types of contract. The main text refers to admeasurements contracts.

Instructions to Bidders/ Procuring Agencies.

General Rules and Directions for the Guidance of Contractors.

This section of the bidding documents should provide the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Agency. It should also give information on bid submission, opening and evaluation, and on the award of contract.

Matters governing the performance of the Contract or payments under the Contract, or matters affecting the risks, rights, and obligations of the parties under the Contract are included as Conditions of Contract and *Contract Data*.

The *Instructions to Bidders* will not be part of the Contract and will cease to have effect once the contract is signed.

1. All work proposed to be executed by contract shall be notified in a form of Notice Inviting Tender (NIT)/Invitation for Bid (IFB) hoisted on website of Authority and Procuring Agency and also in printed media where ever required as per rules.

NIT must state the description of the work, dates, time and place of issuing, submission, opening of bids, completion time, cost of bidding document and bid security either in lump sum or percentage of Estimated Cost/Bid Cost. The interested bidder must have valid NTN also.

2. Content of Bidding Documents must include but not limited to: Conditions of contract, Contract Data, specifications or its reference, Bill of Quantities containing description of items with scheduled/item rates with premium to be filled in form of percentage above/ below or on item rates to be quoted, Form of Agreement and drawings.

3. **Fixed Price Contracts:** The Bid prices and rates are fixed during currency of contract and under no circumstance shall any contractor be entitled to claim enhanced rates for any item in this contract.

4. The Procuring Agency shall have right of rejecting all or any of the tenders as per provisions of SPP Rules 2010.

5. **Conditional Offer**: Any person who submits a tender shall fill up the usual printed form stating at what percentage above or below on the rates specified in Bill of Quantities for items of work to be carried out: he is willing to undertake the work and also quote the rates for those items which are based on market rates. Only one rate of such percentage, on all the Scheduled Rates shall be framed. Tenders, which propose any alternative in the works specified in the said form of invitation to tender or in the time

allowed for carrying out the work, or which contain any other conditions, will be liable to rejection. No printed form of tender shall include a tender for more than one work, but if contractor wish to tender for two or more works, they shall submit a separate tender for each.

The envelope containing the tender documents shall refer the name and number of the work.

6. All works shall be measured by standard instruments according to the rules.

7. Bidders shall provide evidence of their eligibility as and when requested by the Procuring Agency.

8. Any bid received by the Agency after the deadline for submission of bids shall be rejected and returned unopened to the bidder.

9.Prior to the detailed evaluation of bids, the Procuring Agency will determine whether the bidder fulfills all codal requirements of eligibility criteria given in the tender notice such as registration with tax authorities, registration with PEC (where applicable), turnover statement, experience statement, and any other condition mentioned in the NIT and bidding document. If the bidder does not fulfill any of these conditions, it shall not be evaluated further.

10. Bid without bid security of required amount and prescribed form shall be rejected.

11. Bids determined to be substantially responsive shall be checked for any arithmetic errors. Arithmetical errors shall be rectified on the following basis;

(A) **In case of schedule rates**, the amount of percentage quoted above or below will be checked and added or subtracted from amount of bill of quantities to arrive the final bid cost.

(B) **In case of item rates,** .If there is a discrepancy between the unit rate and the total cost that is obtained by multiplying the unit rate and quantity, the unit rate shall prevail and the total cost will be corrected unless in the opinion of the Agency there is an obvious misplacement of the decimal point in the unit rate, in which case the total cost as quoted will govern and the unit rate corrected. If there is a discrepancy between the total bid amount and the sum of total costs, the sum of the total costs shall prevail and the total bid amount shall be corrected.

(C) Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.

BIDDING DATA

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

(a). Name of Procuring Agency_____

(b). Brief Description of Works _____

(c).Procuring Agency's address:-_____

(d). Estimated Cost:-_____

(e). Amount of Bid Security:- _____(Fill in lump sum amount or in % age of bid amount /estimated cost, but not exceeding 5%)

(f).Period of Bid Validity (days):- _____ (Not more than sixty days).

(g).SecurityDeposit:-(includingbidsecurity):-_____

(in % age of bid amount /estimated cost equal to 10%)

(h). Percentage, if any, to be deducted from bills :-_____

(i). Deadline for Submission of Bids along with time :-_____

(j). Venue, Time, and Date of Bid Opening:- _____

(k). Time for Completion from written order of commence: - _____

(L).Liquidity damages:- _____(0.05 of Estimated Cost or Bid cost per day of delay, but total not exceeding 10%).

(m). Deposit Receipt No: Date: Amount:(in words and figures)

(Executive Engineer/Authority issuing bidding document)

Conditions of Contract

Clause – 1:Commencement & Completion Dates of work. The contractor shall not enter upon or commence any portion or work except with the written authority and instructions of the Engineer-in-charge or of in subordinate-in-charge of the work. Failing such authority the contractor shall have no claim to ask for measurements of or payment for work.

The contractor shall proceed with the works with due expedition and without delay and complete the works in the time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor and shall reckoned from the date on which the order to commence work is given to the contractor. And further to ensure good progress during the execution of the wok, contractor shall be bound, in all in which the time allowed for completion of any work exceeds one month, to achieve progress on the prorate basis.

Clause – 2:Liquidated Damages. The contractor shall pay liquidated damages to the Agency at the rate per day stated in the bidding data for each day that the completion date is later than the Intended completion date; the amount of liquidated damage paid by the contractor to the Agency shall not exceed 10 per cent of the contract price. Agency may deduct liquidated damages from payments due to the contractor. Payment of liquidated damages does not affect the contractor's liabilities.

Clause – 3: Termination of the Contract.

(A) Procuring Agency/Executive Engineer may terminate the contract if either of the following conditions exits:-

(i) contractor causes a breach of any clause of the Contract;
(ii) the progress of any particular portion of the work is unsatisfactory and notice of 10 days has expired;
(iii) in the case of abandonment of the work owing to the serious illness or death of the contractor or any other cause.
(iv) contractor can also request for termination of contract if a payment certified by the Engineer is not paid to the contractor within 60 days of the date of the submission of the bill;

(B) The Executive Engineer/Procuring Agency has power to adopt any of the following courses as may deem fit:-

(i) to forfeit the security deposit available except conditions mentioned at A (iii) and (iv) above;

(ii) to finalize the work by measuring the work done by the contractor.

(C) In the event of any of the above courses being adopted by the Executive Engineer/Procuring Agency, the contractor shall have:-

(i) no claim to compensation for any loss sustained by him by reason of his having purchased or procured any materials, or entered into any engagements, or made any advances on account of, or with a view to the execution of the work or the performance of the contract,

(ii) however, the contractor can claim for the work done at site duly certified by the executive engineer in writing regarding the performance of such work and has not been paid.

Procuring Agency/Engineer may invite fresh bids for remaining work.

Clause 4: Possession of the site and claims for compensation for delay. The Engineer shall give possession of all parts of the site to the contractor. If possession of site is not given by the date stated in the contract data, no compensation shall be allowed for any delay caused in starting of the work on account of any acquisition of land, water standing in borrow pits/ compartments or in according sanction to estimates. In such case, either date of commencement will be changed or period of completion is to be extended accordingly.

Clause –5: Extension of Intended Completion Date. The Procuring Agency either at its own initiatives before the date of completion or on desire of the contractor may extend the intended completion date, if an event (which hinders the execution of contract) occurs or a variation order is issued which makes it impossible to complete the work by the intended completion date for such period as he may think necessary or proper. The decision of the Executive Engineer in this matter shall be final; where time has been extended under this or any other clause of this agreement, the date for completion of the work shall be the date fixed by the order giving the extension or by the aggregate of all such orders, made under this agreement.

When time has been extended as aforesaid, it shall continue to be the essence of the contract and all clauses of the contract shall continue to be operative during the extended period.

Clause –6: Specifications. The contractor shall execute the whole and every part of the work in the most substantial and work-man-like manner and both as regards materials and all other matters in strict accordance with the specifications lodged in the office of the Executive Engineer and initialed by the parties, the said specification being a part of the contract. The contractor shall also confirm exactly, fully and faithfully to the designs, drawing, and instructions in writing relating to the work signed by the Engineer-in-charge and lodge in his office and to which the contractor shall be entitled to have access at such office or on the site of work for the purpose of inspection during office hours and the contractor shall, if he so requires, be entitled at his own expense to make or cause to be made copies of the specifications, and of all such designs, drawings, and instructions as aforesaid.

Clause – 7: Payments.

(A) **Interim/Running Bill.** A bill shall be submitted by the contractor as frequently as the progress of the work may justify for all work executed and not included in any previous bill at least once in a month and the Engineer-in-charge shall take or cause to be taken the requisite measurements for the purpose of having the same verified and the claim, as for as admissible, adjusted, if possible before the expiry of ten days from the presentation of the bill, at any time depute a subordinate to measure up the said work in the presence of the contractor or his authorized agent, whose countersignature to the measurement list will be sufficient to warrant and the Engineer-in-charge may prepare a bill from such list which shall be binding on the contractor in all respects.

The Engineer /Procuring Agency shall pass/certify the amount to be paid to the contractor, which he considers due and payable in respect thereof, subject to deduction of security deposit, advance payment if any made to him and taxes.

All such intermediate payment shall be regarded as payments by way of advance against the final payment only and not as payments for work actually done and completed, and shall not preclude the Engineer-in-charge from recoveries from final bill and rectification of defects and unsatisfactory items of works pointed out to him during defect liability period.

(B) **The Final Bill.** A bill shall be submitted by the contractor within one month of the date fixed for the completion of the work otherwise Engineer-in-charge's certificate of the measurements and of the total amount payable for the works shall be final and binding on all parties.

Clause – 8: Reduced Rates. In cases where the items of work are not accepted as so completed, the Engineer-in-charge may make payment on account of such items at such reduced rates as he may consider reasonable in the preparation of final or on running account bills with reasons recorded in writing.

Clause – 9: Issuance of Variation and Repeat Orders.

(A) Agency may issue a Variation Order for procurement of works, physical services from the original contractor to cover any increase or decrease in quantities, including the introduction of new work items that are either due to change of plans, design or alignment to suit actual field conditions, within the general scope and physical boundaries of the contract.

(B) Contractor shall not perform a variation until the Procuring Agency has authorized the variation in writing subject to the limit not exceeding the contract cost by of 15% on the same conditions in all respects on which he agreed to do them in the

work, and at the same rates, as are specified in the tender for the main work. The contractor has no right to claim for compensation by reason of alterations or curtailment of the work.

(C) In case the nature of the work in the variation does not correspond with items in the Bill of Quantities, the quotation by the contractor is to be in the form of new rates for the relevant items of work, and if the Engineer-in-charge is satisfied that the rate quoted is within the rate worked out by him on detailed rate analysis, and then only he shall allow him that rate after approval from higher authority.

(D) The time for the completion of the work shall be extended in the proportion that the additional work bear to the original contact work.

(E) In case of quantities of work executed result the Initial Contract Price to be xceeded by more than 15%, and then Engineer can adjust the rates for those quantities causing excess the cost of contract beyond 15% after approval of Superintending Engineer.

(F) **Repeat Order:** Any cumulative variation, beyond the 15% of initial contract amount, shall be subject of another contract to be tendered out if the works are separable from the original contract.

Clause-10: Quality Control.

(A) **Identifying Defects:** If at any time before the security deposit is refunded to the contractor/during defect liability period mentioned in bid data, the Engineer-in-charge or his subordinate-in-charge of the work may instruct the contractor to uncover and test any part of the works which he considers may have a defect due to use of unsound materials or unskillful workmanship and the contractor has to carry out a test at his own cost irrespective of work already approved or paid.

(B) **Correction of Defects:** The contractor shall be bound forthwith to rectify or remove and reconstruct the work so specified in whole or in part, as the case may require. The contractor shall correct the notified defect within the Defects Correction Period mentioned in notice.

(C) **Uncorrected Defects:**

(i) In the case of any such failure, the Engineer-in-charge shall give the contractor at least 14 days notice of his intention to use a third party to correct a defect. He may rectify or remove, and re-execute the work or remove and replace the materials or articles complained of as the case may be at the risk and expense in all respects of the contractor.

(ii) If the Engineer considers that rectification/correction of a defect is not essential and it may be accepted or made use of; it shall be within his discretion to accept the same at such reduced rates as he may fix therefore.

Clause – 11:

(A) **Inspection of Operations.** The Engineer and his subordinates, shall at all reasonable times have access to the site for supervision and inspection of works under or in course of execution in pursuance of the contract and the contractor shall afford every facility for and every assistance in obtaining the right to such access.

(B) **Dates for Inspection and Testing.** The Engineer shall give the contractor reasonable notice of the intention of the Engineer-in-charge or his subordinate to visit the work shall have been given to the contractor, then he either himself be present to receive orders and instructions, or have a responsible agent duly accredited in writing present for that purpose, orders given to the contractor's duly authorized agent shall be considered to have the same force an effect as if they had been given to the contractor himself.

Clause – 12: Examination of work before covering up.

(A) No part of the works shall be covered up or put out of view/beyond the reach without giving notice of not less than five days to the Engineer whenever any such part of the works or foundations is or are ready or about to be ready for examination and the Engineer shall, without delay, unless he considers it unnecessary and advises the contractor accordingly, attend for the purpose of examining and measuring such part of the works or of examining such foundations;

(B) If any work is covered up or placed beyond the reach of measurement without such notice having been given, the same shall be uncovered at the contractor's expense, and in default thereof no payment or allowance shall be made for such work, or for the materials with which the same was executed.

Clause – 13: Risks. The contractor shall be responsible for all risks of loss of or damage to physical property or facilities or related services at the premises and of personal injury and death which arise during and in consequence of its performance of the contract. if any damage is caused while the work is in progress or become apparent within three months of the grant of the certificate of completion, final or otherwise, the contractor shall make good the same at his own expense, or in default the Engineer may cause the same to be made good by other workmen, and deduct the expenses from retention money lying with the Engineer.

Clause-14: Measures for prevention of fire and safety measures. The contractor shall not set fire to any standing jungle, trees, bush-wood or grass without a written permit from the Executive Engineer. When such permit is given, and also in all cases when destroying, cutting or uprooting trees, bush-wood, grass, etc by fire, the contractor shall take necessary measures to prevent such fire spreading to or otherwise damaging surrounding property. The contractor is responsible for the safety of all its activities including protection of the environment on and off the site. Compensation of all damage done intentionally or unintentionally on or off the site by the contractor's labour shall be paid by him.

Clause-15:Sub-contracting. The contractor shall not subcontract the whole of the works, except where otherwise provided by the contract. The contractor shall not subcontract any part of the works without the prior consent of the Engineer. Any such consent shall not relieve the contractor from any liability or obligation under the contract and he shall be responsible for the acts, defaults and neglects of any subcontractor, his agents, servants or workmen as if these acts, defaults or neglects were those of the contractor, his agents' servants or workmen. The provisions of this contract shall apply to such subcontractor or his employees as if he or it were employees of the contractor.

Clause – 16: Disputes. All disputes arising in connection with the present contract, and which cannot be amicably settled between the parties, , the decision of the Superintending Engineer of the circle/officer/one grade higher to awarding authority shall be final, conclusive and binding on all parties to the contract upon all questions relating to the meaning of the specifications, designs drawings, and instructions, hereinbefore mentioned and as to the quality of workmanship, or materials used on the work or as to any other questions, claim, right, matter, or thing whatsoever in any way arising out of, or relating to the contract design, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works, or the execution, of failure to execute the same, whether arising, during the progress of the work, or after the completion or abandonment thereof.

Clause –17: Site Clearance. On completion of the work, the contractor shall be furnished with a certificate by the Executive Engineer (hereinafter called the Engineer in-charge) of such completion, but neither such certificate shall be given nor shall the work be considered to be complete until the contractor shall have removed all temporary structures and materials brought at site either for use or for operation facilities including cleaning debris and dirt at the site. If the contractor fails to comply with the requirements of this clause then Engineer-in-charge, may at the expense of the contractor remove and dispose of the same as he thinks fit and shall deduct the amount of all expenses so incurred from the contractor's retention money. The contractor shall have no claim in respect of any surplus materials as aforesaid except for any sum actually realized by the sale thereof.

Clause –18: Financial Assistance /Advance Payment.

(A) Mobilization advance is not allowed.

(B) Secured Advance against materials brought at site.

(i) Secured Advance may be permitted only against imperishable materials/quantities anticipated to be consumed/utilized on the work within a period of three months from the date of issue of secured advance and definitely not for full quantities of materials for the entire work/contract. The sum payable for such materials on site shall not exceed 75% of the market price of materials;

(ii) Recovery of Secured Advance paid to the contractor under the above provisions shall be affected from the monthly payments on actual consumption basis, but not later than period more than three months (even if unutilized).

Clause –19: Recovery as arrears of Land Revenue. Any sum due to the Government by the contractor shall be liable for recovery as arrears of Land Revenue.

Clause –20: Refund of Security Deposit/Retention Money. On completion of the whole of the works (a work should be considered as complete for the purpose of refund of security deposit to a contractor from the last date on which its final measurements are checked by a competent authority, if such check is necessary otherwise from the last date of recording the final measurements), the defects notice period has also passed and the Engineer has certified that all defects notified to the contractor before the end of this period have been corrected, the security deposit lodged by a contractor (in cash or recovered in installments from his bills) shall be refunded to him after the expiry of three months from the date on which the work is completed.

Divisional Accountant

Contractor **Executive Engineer/Procuring Agency**

BILL OF QUANTITIES

(A) Description and rate of Items based on Composite Schedule of Rates.

Item No	Quantities	Description of item to be executed at site	Rate	Unit	Amount in Rupees
1	2	3	4	5	6

Amount TOTAL (a)

---------- % above/below on the rates of CSR. **Amount to be added/deducted on the basis Of premium quoted. TOTAL (b)**

Total (A) = a+b in words & figures:

Contractor

Executive Engineer/Procuring Agency

(B) Description and rate of Items based on Market (Offered rates)

Item No	Quantities	Description of item to be executed at site	Rate	Unit	Amount in Rupees

Total (B) in words & figures:

Contractor

Executive Engineer/Procuring Agency

Summary of Bill of Quantities.

Cost of Bid | Amount

1. (A) Cost based on Composite Schedule of Rates.

2. (B) Cost based on Non/Offered Schedule of Rates.

TOTAL COST OF BID (C) = Total (A) + Total (B)

Contractor | Executive Engineer/Procuring Agency