



**GOVERNMENT OF PAKISTAN
PAKISTAN PUBLIC WORKS DEPARTMENT**

No.EE/KCE&M.I/NIT/PID/679

Karachi, dated: 09-05-2022

INVITATION TO BID

Sealed Tenders are invited from the contractors registered with Pakistan Engineering Council under relevant category on percentage basis on Pak. P.W.D., schedule of rates 2004 & 2012 and market rate items who possess valid renewal with PEC upto 30th June 2022 and having valid mandatory Electrical License from Electric Inspectorate, Govt. of Sindh up to 31st December 2022. Tender documents can be received from the office of the undersigned during office hours on any working day upto **28th May 2022** or last working day before opening date with written request on letter accompanied with attested copies of CNIC, SRB, Income tax Registration Certificate as active tax payer (filer) and copy of valid registration of PEC under relevant / appropriate category for all and copy of valid Electrical License from Electric Inspectorate, Govt. of Sindh. Tenders will be issued to the proprietor of the Firm/Company or their legal authorized representatives having registered power of attorney (duly attested). The tenders in sealed cover should be dropped in the tender box kept in the office of the undersigned on **30th May 2022** upto 11:00 A.M. The respective tenders will be opened on the same day at 11:30 A.M in the presence of contractors or their authorized representatives, having registered power of attorney. Other terms & conditions can be seen in the office of the undersigned during office hours on any working day.

Sr. No.	Name of Work	N.I.T Amount (Rs.)	Earnest Money Amount	Period of Completion	Cost of Tender
1	PROVIDING & INSTALLATION OF STREET LIGHTS AT UC-20 TO 25 (MILLAT NAGAR, GAZDARA COLONY RANSHORE LINE NANAK WARA, OLD TOWN & KHARADAR) DISTRICT SOUTH KARACHI.	4,505,445	170,000	02 Months	5000
2	PROVIDING & INSTALLATION OF STREET LIGHTS AT UC-26 TO 28 (CITY RAILWAY COLONY, RATAN TALAO & SADDAR TOWN) DISTRICT SOUTH KARACHI.	2,257,902	85,000	02 Months	5000
3	PROVIDING & INSTALLATION OF STREET LIGHTS AT UC-1, UC-18 & UC-19 (AGHARA TAJ, CHAZI NAGAR & GARDEN) DISTRICT SOUTH KARACHI.	2,073,840	85,000	02 Months	5000
4	CONSTRUCTION OF 2 ND FLOOR OVER EXISTING NATIONAL BLOCK AT IC-3 PORT QASIM CUSTOM KARACHI.	1,069,872	46,000	15 Days After completion of civil work	2000
5	CONSTRUCTION OF OFFICE & LABORATORY BUILDING OF ANIMAL QUARANTINE DEPARTMENT KARACHI (SH: OFFICE BUILDING)	5,253,017	300,000	02 Years	5000

2nd Schedule:

In case tenders are not sold / opened on the date mentioned above, due to unavoidable/ unforeseen circumstances, 2nd schedule will be followed: -

1. Date of sale : 2nd of June 2022.
2. Date / time of receiving : 3rd of June, 2022 at 11:00 A.M.
3. Date / time of opening : 3rd of June, 2022 at 11:30 A.M.

Sd/-
Executive Engineer
Karachi Central E&M Division No.I
Pak P.W.D., Karachi.

ESTIMATE

Name of work: PROVIDING & INSTALLATION OF STREET LIGHTS at UC-20 TO 25 (MILLAT NAGAR,GAZDARA COLONY, RANSHORE LINE,NANK WARA,OLD TOWN &KHARADAR) DISTRICT SOUTH KARACHI.

S.NO.	Item of Work	Qty.	Rate	Unit	Amount
SH-I ITEM BASED ON M/R					
1	Providing & fixing road light fitting (metal casted SOGO or equivalent) complete with 1x250 watts sodium lamp, 250 watt ballast, ignitor & capcitor (all philips componets) as approved by engineer incharge complete as required.	180 Nos		Each	
2	Providing & Installation of backolite make surface type switch 10/15 Amps Bacolite & porlean make enclosed in wooden board as approved by engineer incharge	180 Nos		Each	
3	Providing & Installation ABC Connector as per KE Standard complete as required as approved by the Engineer Incharge.	360 Nos		Each	
SH-II ITEM BASED ON S/R					
1	Providing & laying 2 core 1.5mm2 standard copper conductor PVC Insulated & PVC shealth cable I/C 1 mm2 single core PVC Insulated wire as ECC in all kinds existing or given conduit/cable duct as required	1684 Mtr		P/Mtr	
2	Providing & laying 2 core 2.5mm2 standard copper conductor PVC Insulated & PVC shealth cable I/C 1.5 mm2 single core PVC Insulated wire as ECC in all kinds existing or given conduit/cable duct as required	1390 Mtr		P/Mtr	
3	Providing & fixing of 5 feet long 1-1/4" dia GI Pipe 45 degree or as required angle bracket with M.S flat strip clamp fitted on wall with bolts i/e wiring with 2.5 mm PVC insulated wire as required	100 Nos		Each	

ESTIMATE

Name of work: PROVIDING & INSTALLATION OF STREET LIGHTS at UC-26 TO 28 (CITY RAILWAY COLONY, RATAN TALAO & SADDAR TOWN) DISTRICT SOUTH KARACHI.

S.NO.	Item of Work	Qty.	Rate	Unit	Amount
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SI-I ITEM BASED ON M/R

- | | | | | | |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--|------|--|
| 1 | Providing & fixing road light fitting (metal casted SOGO or equivalent) complete with 1x250 watts sodium lamp, 250 watt ballast, ignitor & capacitor (all philips componets) as approved by engineer incharge complete as required. | 90 Nos | | Each | |
| 2 | Providing & Installation of backolite make surface type switch 10/15 Amps Bacolite & porlean make enclosed in wooden board as approved by engineer incharge | 90 Nos | | Each | |
| 3 | Providing & Installation ABC Connector as per KE Standard complete as required as approved by the Engineer Incharge. | 180 Nos | | Each | |

Total Rs

SI-I ITEM BASED ON S/R

- | | | | | | |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--|-------|--|
| 4 | Providing & laying 2 core 1.5mm ² standard copper conductor PVC Insulated & PVC sheath cable I/C 1 mm ² single core PVC Insulated wire as ECC in all kinds existing or given conduit/cable duct as required | 800 Mtr | | P/Mtr | |
| 5 | Providing & laying 2 core 2.5mm ² standard copper conductor PVC Insulated & PVC sheath cable I/C 1.5 mm ² single core PVC Insulated wire as ECC in all kinds existing or given conduit/cable duct as required | 610 Mtr | | P/Mtr | |
| 6 | Providing & fixing of 5 feet long 1-1/4" dia GI Pipe 45 degree or as required angle bracket with M.S flat strip clamp fitted on wall with bolts i/e wiring with 2.5 mm PVC insulated wire as required | 80 Nos | | Each | |

TOTAL RS.

Total M/R
Total S/R
Total Rs:

ESTIMATE

Name of work: PROVIDING & INSTALLATION OF STREET LIGHTS at UC-1 , UC-18 , UC-19(AGHARA TAJ, GHAZI NAGAR & GARDEN), DISTRICT SOUTH KARACHI.

S.NO.	Item of Work	Qty.	Rate	Unit	Amount
SH-I ITEM BASED ON M/R					
1	Providing & fixing road light fitting (metal casted SOGO or equivalent) complete with 1x250 watts sodium lamp, 250 watt ballast, ignitor & capcitor (all philips componets) as approved by engineer incharge complete as required.	70 Nos		Each	
2	Providing & Fixing LED Flood Light LED 50 Watt , duly aluminum cased weather proof body , heavy duty LED driver , with front glass installed on wall or poles or given angle iron bracket complete as approved by the Engineer Incharge as (Osaka / SE make or equivalent) with one year warrenty.	15 Nos		Each	
3	Providing & Fixing LED Flood Light LED 100 Watt , duly aluminum cased weather proof body , heavy duty LED driver , with front glass installed on wall or poles or given angle iron bracket complete as approved by the Engineer Incharge as (Osaka / SE make or equivalent) with one year warrenty.	15 Nos		Each	
4	Providing & Installation of backolite make surface type switch 10/15 Amps Bacolite & porlean make enclosed in wooden board as approved by engineer incharge	100 Nos		Each	
5	Providing & Installation ABC Connector as per KE Standard complete as required as approved by the Engineer Incharge.	200 Nos		Each	
					Total Rs
SH-I ITEM BASED ON S/R					
1	Providing & laying 2 core 1.5mm2 standard copper conductor PVC Insulated & PVC shealth cable I/C 1 mm2 single core PVC Insulated wire as ECC in all kinds existing or given conduit/cable duct as required	1325 Mtr		P/Mtr	
2	Providing & laying 2 core 2.5mm2 standard copper conductor PVC Insulated & PVC shealth cable I/C 1.5 mm2 single core PVC Insulated wire as ECC in all kinds existing or given conduit/cable duct as required	910 Mtr		P/Mtr	
3	Providing & Installation angle iron bracket (2/2.5 feet long) heavy duty to hold the flood light having nut / rewal bolt fixed on wall or electric pole as approved by the Engineer Incharge.	30 Nos		Each	

Providing & Installation of 5 feet long 1-1/4" dia GI Pipe 45 degree or as required angle bracket with MS flat strip clamp fitted on wall with bolts i/c wiring with 2.5mm PVC insulated wire as required.

70 Nos

Each

TOTAL RS. _____

Total M/R
Total S/R
Total Rs:

Schedule of Work

NAME OF WORK:- CONSTRUCTION OF 2ND FLOOR OVER EXISTING NATIONAL BLOCK
AT IC-3 PORT QASIM CUSTOM KARACHI.

S.#	Item of Work	Qty	Rate	Unit	Amount
SH- ELECTRIFICATION INTERNAL & EXTERNAL					
ITEM BASED ON S/R					
1	Wiring for light, fan or call bell point with (3/.029") PVC insulated wire in 20 mm ² , (3/4") dia PVC conduit recessed in the wall, column, roof , including 1mm ² single core PVC insulated wire as ECC as required. (2-4-1)	81 Point		Point	
2	Wiring for two way light point with (3/.029") PVC insulated wire in 20 mm (3/4")dia PVC conduit recessed in the wall, column, roof , including 1mm ² , single core PVC insulated wire as ECC as required. (2-4-3)	1 Point		Point	
3	Providing & fixing 10 Amps Polycarbonate flame retardant Two way switch with fancy gang plate fixed on die fabricated, powder coated, metal board recessed in wall or column including connection as required. (E31/2/3A Clipsal make) (2-74-2)	1 Nos.		Each	
4	Wiring for plug point with (3/.029") PVC insulated wire in 20 mm (3/4")dia PVC conduit recessed in the wall, column, roof , including 1mm ² , single core PVC insulated wire as ECC as required. (2-4-4)	25 Point		Point	
5	Providing & fixing 13 Amps Polycarbonate flame retardant 3-Pin switch socket unit with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(E15 Clipsal make) (2-74-5)	16 Nos.		Each	
6	Providing & fixing 15 Amps Polycarbonate flame retardant 3-Pin switch socket unit with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(Clipsal make) (2-74-6)	9 Nos.		Each	
7	Providing & fixing 10 Amps Polycarbonate flame retardant S.P switch with fancy required gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(E31-36/1/2A Clipsal make) (2-74-01)	81 Nos.		Each	

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|
| 8 Providing & fixing 10 Amper Polycarbonate flame retardant universal/shoko socket with fancy "Ivory" gang plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required. (SwitchKid make) (2-73-4) | 14 Nos. | Each |
| 9 Providing & fixing 10 Amps Polycarbonate flame retardant 2-Pin switch socket unit (Universal) with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(E15U Clipsal make)(2-74-4) | 14 Nos. | Each |
| 10 Providing & fixing mirror light strip fitting, fitted on wooden block complete with cover holders, lamp etc as required. (2-104-4) | 2 Nos | Each |
| 11 Providing & fixing Polycarbonate flame retardant, 400 watts fan dimmer with plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required. (E32V400F Clipsal make) (2-74-11) | 12 Nos. | Each |
| 12 Providing & fixing 4½" X 4½" size MS die casted, Powder coated recessed type fan clamp box with 1/2" dia MS bar fan clamp fixed in roof at casting time as required. (2-113-7) | 12 Nos. | Each |
| 13 Providing & fixing 6 to 32 Amps, DP MCCB fixed on metal board recessed in the wall duly covered with fiber sheet, I/c inter-connection as required. (2-82-1) | 19 Nos. | Each |
| 14 Providing & fixing 6 Amps plastic ceiling rose on PVC Round block/Round Cover fitted on surface including connection as required. (2-75-4) | 17 Nos. | Each |
| 15 Providing & fixing Ding Dong/ Musical bell with magnetic, mechanical mechanism in Plastic body with metallic base on wooden block fitted on surface including connection as required. (2-75-7) | 6 Nos | Each |
| 16 Supply & fixing 25mm (1") dia PVC conduit with all especial such as bends, sockets, Junction etc recessed in the wall or column as required. (2-67-7) | 100 Rft | Rft |
| 17 Supply & fixing 30mm (1¼") dia PVC conduit with all especial such as bends, sockets, Junction etc recessed in the wall or column as required (2-67-8). | 100 Rft | P.Rft |

18 Supply & fixing 40mm (1½") dia PVC conduit with all especial such as bends, sockets, Junction etc fitted on surface as required. (2-67-4)	100 Rft	P.Rft
19 Providing & fixing Cubical type metal sheet Distribution board with locking arrangement as per drawing ,vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required. (2.83.1)	2 Sft	P.Sft
20 Providing and fixing Earthing set with 2'x2'x1/4" copper plate buried in the ground at a depth of 12 feet or less if water comes out from the ground level (with salt and charcoal, or Earthing chemical Powder) etc making the pit 12 feet deep by excavation of all type of soil (except soft or hard rock) i/c fixing of 8 SWG copper wire in 1/2 " G.I conduit complete in all respect as required. (3-9-3)	1 Job	P.Job
21 Providing & installing 140 Cm (56") sweep ceiling fan with blades, canopy, standand length of down rod including connection with 14.0076" flexible wire complete as required. (without regulator) Millat/Pak/Asia/ Younas/ Climax/ Royal. (2-106-3)	12 Nos.	Each
22 Providing & installing 45 Cm (18") sweep wall bracket fan complete with blades, regulator & pulling cord switch, fitted on wall or column with GI clip including connection as required. Millat/Pak/Asia/ Younas/Climax/ Royal. (2.107.3)	2 Nos	Each
23 Providing & installing 25 Cm (10") sweep, Plastic body Exhaust fan complete with blades, motor, etc fixed in existing hole including connection with 14/.0076" flexible wire complete as required Millat/Pak/Asia / Younas/ Climax/ Royal. (2-10-2)	5 Nos.	Each
24 Wiring for sub-main with 2x 2.5 mm ² , PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 20 mm (3/4")dia PVC conduit recessed in the wall, column and roof etc including 1.5 mm ² PVC insulated wire single core wire as ECC as required.(2-41-2)	590 Rft	P.Rft
25 Wiring for sub-main with 2x 4 mm ² , PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 20 mm (3/4")dia PVC conduit recessed in the wall, column and roof etc including 1.5 mm ² PVC insulated wire single core wire as ECC as required.(2-41-3)	100 Rft	P.Rft

26 Wiring for sub-main with 2x 6 mm², PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 25 mm (1") dia PVC conduit recessed in the wall, column and roof etc including 2.5 mm² PVC insulated wire single core wire as ECC as required.(2.41.4)

100 Rft

P.Rft

27 Supply & drawing of 10 mm², single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.(2-32-5)

100 Rft

P.Rft

ITEM BASED ON M/R

1 Providing & fixing surface type LED fitting (SMD) 24 watts square shape 2'x2' complete as approved by the Engineer incharge as required.

27 Nos

Each

2 Providing & fixing 6 inch dia surface mounted round panel LED down lighter with 1x18 watts Led LAMP (Make pierlite, Philips or as approved by the Engineer incharge as required.

19 Nos.

Each

3 Providing & installing of wall mounted / floor standing main board fabricated with 16 SWG MS sheet duly powder coated hinge type front door with locking arrangement suitable for 4 wire 400 volts operation with following accessories as under (MDB)

INCOMING:

- 1-200 Amps TP MCCB
- 200 Amps 4 core bus bar
- 3-200/5 Amps Current transformer
- 3A SP MCB
- 0-500 V Voltmeter (Digital)
- Volt Amp meter
- Digital Amp meter
- 3 indicator lamp

OUT-GOING:

- 4-50 AMPS TP MCCB
- 1-20 Amps TP MCCB

The cost including interconnection, testing, cable glands & transportation etc ground floor SMBB as approved by the Engineer incharge

1 Job

P.Job

providing & installing of wall mounted distribution board
fabricated with 16 SAWG MS sheet duly powder coated hine
type front door wit hocking arrangement suitable for 4 wire
400 volts operation with following accessories as under (DB)

IN-COMING:

a) 1-50 Amps TP MCCB

B) 1-16 Amps DP MCCB

OUT-GOING:

a) 41-6 to 32 Amps SP MCB

The cost including interconnection, testing, cable glands &
transportation etc

1 Job

P.Job _____

est-cargo container-2022

Estimate

**NAME OF WORK:-CONSTRUCTION OF OFFICE & LABORATORY BUILDING OF ANIMAL
QUARANTINE DEPARTMENT KARACHI. (SH. LABORATORY BUILDING)**

S.#	Item of Work	Qty	Rate	Unit	Amount
<u>SH-I LABORATORY BUILDING</u>					
<u>ITEM BASED ON S/R</u>					
1	Wiring for light, fan or call bell point with (3/.029") PVC insulated wire in 20 mm ² , (3/4") dia PVC conduit recessed in the wall, column, roof , including 1mm ² single core PVC insulated wire as ECC as required. (2-4-1)	140 Point		Point	
2	Wiring for two way light point with (3/.029") PVC insulated wire in 20 mm (3/4")dia PVC conduit recessed in the wall, column, roof , including 1mm ² , single core PVC insulated wire as ECC as required. (2-4-3)	1 Point		Point	
3	Providing & fixing 10 Amps Polycarbonate flame retardant Two way switch with fancy gang plate fixed on die fabricated, powder coated, metal board recessed in wall or column including connection as required. (E31/2/3A Clipsal make) (2-74-2)	1 Nos.		Each	
4	Extension/Additional wiring for light, fan ,call bell or light plug point, controlled with same switch with (3/.029") PVC insulated wire in 20 mm (3/4") dia PVC conduit recessed in the wall, column or roof including 1mm ² single core, PVC insulated wire as ECC as required. (2-9-4)	6 Point		Point	
5	Wiring for plug point with (3/.029") PVC insulated wire in 20 mm (3/4")dia PVC conduit recessed in the wall, column, roof , including 1mm ² , single core PVC insulated wire as ECC as required. (2-4-4)	63 Point		Point	
6	Providing & fixing 13 Amps Polycarbonate flame retardant 3-Pin switch socket unit with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(E15 Clipsal make)	29 Nos.		Each	
7	Providing & fixing 15 Amps Polycarbonate flame retardant 3-Pin switch socket unit with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(Clipsal make)	34 Nos.		Each	
8	Providing & fixing 10 Amps Polycarbonate flame retardant S.P switch with fancy required gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(E31-36/1/2A Clipsal make) (2-74-01)	134 Nos.		Each	
9	Providing & fixing 10 Amper Polycarbonate flame retardant universal/shoko socket with fancy "Ivory" gang plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required. (Switch Kid make)	26 Nos.		Each	

10 Providing & fixing 10 Amps Polycarbonate flame retardant 2-Pin switch socket unit (Universal) with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(E15U Clipsal make)(2-74-4)	41 Nos.	Each
11 Providing & fixing mirror light strip fitting, fitted on wooden block complete with cover holders, lamp etc as required. (2-104-4)	2 Nos	Each
12 Providing & fixing Polycarbonate flame retardant, 400 watts fan dimmer with plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required. (E32V400F Clipsal make)	21 Nos.	Each
13 Providing & fixing 4½" X 4½" size MS die casted, Powder coated recessed type fan clamp box with 1/2" dia MS bar fan clamp fixed in roof at casting time as required.	21 Nos.	Each
14 Providing & fixing 6 to 32 Amps, DP MCCB fixed on metal board recessed in the wall duly covered with fiber sheet, I/c inter-connection as required. (2-82-1)	40 Nos.	Each
15 Providing & fixing 6 Amps plastic ceiling rose on PVC Round block/Round Cover fitted on surface including connection as required. (2-75-4)	82 Nos.	Each
16 Providing & fixing Ding Dong/ Musical bell with magnetic, mechanical mechanism in Plastic body with metallic base on wooden block fitted on surface including connection as required. (2-75-7)	12 Nos	Each
17 Supply & fixing 25mm (1") dia PVC conduit with all especial such as bends, sockets, Junction etc recessed in the wall or column as required. (2-67-7)	200 Rft	Rft
18 Supply & fixing 30mm (¾") dia PVC conduit with all especial such as bends, sockets, Junction etc recessed in the wall or column as required (2-67-8).	300 Rft	Rft
19 Supply & fixing 40mm (1½") dia PVC conduit with all especial such as bends, sockets, Junction etc fitted on surface as required. (2-67-4)	100 Rft	Rft
20 Providing & fixing Cubical type metal sheet Distribution board with locking arrangement as per drawing ,vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required. (2.83.1)	6 Sft	P.Sft
21 Providing & installing 140 Cm (56") sweep ceiling fan with blades, canopy, standrad length of down rod including connection with 14.0076" flexible wire complete as required. (without regulator) Millat/Pak/Asia/ Younas/ Climax/ Royal.	21 Nos.	Each

22 Providing & installing 45 Cm (18") sweep wall bracket fan complete with blades, regulator & pulling cord switch, fitted on wall or column with GI clip including connection as required. Millat/Pak/Asia/ Younas/Climax/ Royal. (2.107.3)

3 Nos

Each

23 Providing & installing 25 Cm (10") sweep, Plastic body Exhaust fan complete with blades, motor, etc fixed in existing hole including connection with 14/0076" flexible wire complete as required Millat/Pak/Asia / Younas/ Climax/ Royal. (2-10-2)

4 Nos.

Each

24 Providing and fixing Earthing set with 2'x2'x1/4" copper plate buried in the ground at a depth of 12 feet or less if water comes out from the ground level (with salt and charcoal, or Earthing chemical Powder) etc making the pit 12 feet deep by excavation of all type of soil (except soft or hard rock) i/c fixing of 8 SWG copper wire in 1/2 " G.I conduit complete in all respect as required. (3-9-3)

1 Job

Job

25 Wiring for sub-main with 2x 2.5 mm², PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 20 mm (3/4") dia PVC conduit recessed in the wall, column and roof etc including 1.5 mm² PVC insulated wire single core wire as ECC as required.(2-41-2)

2000 Rft

Rft

26 Wiring for sub-main with 2x 4 mm², PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 20 mm (3/4") dia PVC conduit recessed in the wall, column and roof etc including 1.5 mm² PVC insulated wire single core wire as ECC as required.(2-41-3)

900 Rft

Rft

27 Providing & fixing 200 Amps, 4 pole, three phase bus bar strip set (Standard size) fitted in suitable size metallic sheet steel box with hinged type front door duly painted and fixed on existing board i/c connection as required.(2.84.7)

3 Nos

Each

28 Supply & drawing of 10 mm², single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.

300 Rft

Rft

29 Supply & drawing of 16 mm², single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.

700 Rft

Rft

TOTAL Rs.

ITEM BASED ON M/R

1 Surface mounted fluorescent batten fitting with 1x28 watts TS lamp Make pierlite, Philips or as approved by the Engineer incharge

65 Nos.

Each

2 Providing & fixing 6 inch dia surface mounted round panel LED down lighter with 1x18 watts Led LAMP (Make pierlite, Philips or as approved by the Engineer incharge as required.

29 Nos.

Rft

Total Rs.

NAME OF WORK:-CONSTRUCTION OF OFFICE & LABORATORY BUILDING OF ANIMAL
QUARANTINE DEPARTMENT KARACHI. (SH. OFFICE BUILDING)

S.#	Item of Work	Qty	Rate	Unit	Amount
SH-II OFFICE BUILDING					
ITEM BASED ON S/R					
1	Wiring for light, fan or call bell point with (3/.029") PVC insulated wire in 20 mm ² , (3/4") dia PVC conduit recessed in the wall, column, roof , including 1mm ² single core PVC insulated wire as ECC as required. (2-4-1)	335 Point		Point	
2	Wiring for two way light point with (3/.029") PVC insulated wire in 20 mm (3/4")dia PVC conduit recessed in the wall, column, roof , including 1mm ² , single core PVC insulated wire as ECC as required. (2-4-3)	2 Point		Point	
3	Providing & fixing 10 Amps Polycarbonate flame retardant Two way switch with fancy gang plate fixed on die fabricated, powder coated, metal board recessed in wall or column including connection as required. (E31/2/3A Clipsal make).	2 Nos.		Each	
4	Extension/Additional wiring for light, fan ,call bell or light plug point, controlled with same switch with (3/.029") PVC insulated wire in 20 mm (3/4") dia PVC conduit recessed in the wall, column or roof including 1mm ² single core, PVC insulated wire as ECC as required. (2-9-4)	23 Point		Point	
5	Wiring for plug point with (3/.029") PVC insulated wire in 20 mm (3/4")dia PVC conduit recessed in the wall, column, roof , including 1mm ² , single core PVC insulated wire as ECC as required. (2-4-4)	166 Point		Point	
6	Providing & fixing 13 Amps Polycarbonate flame retardant 3-Pin switch socket unit with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(E15 Clipsal make).	113 Nos.		Each	
7	Providing & fixing 15 Amps Polycarbonate flame retardant 3-Pin switch socket unit with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(Clipsal make)	53 Nos.		Each	
8	Providing & fixing 10 Amps Polycarbonate flame retardant S.P switch with fancy required gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(E31-36/1/2A Clipsal make) (2-74-01)	312 Nos.		Each	
9	Providing & fixing 10 Amper Polycarbonate flame retardant universal/shoko socket with fancy "Ivory" gang plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required. (Switch Kid make)	58 Nos.		Each	

10 Providing & fixing 10 Amps Polycarbonate flame retardant 2-Pin switch socket unit (Universal) with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(E15U Clipsal make)(2-74-4)	74 Nos.	Each
11 Providing & fixing mirror light strip fitting, fitted on wooden block complete with cover holders, lamp etc as required. (2-104-4)	5 Nos	Each
12 Providing & fixing Polycarbonate flame retardant, 400 watts fan dimmer with plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required. (E32V400F Clipsal make) (2-74-11)	48 Nos.	Each
13 Providing & fixing 4½" X 4½" size MS die casted, Powder coated recessed type fan clamp box with 1/2" dia MS bar fan clamp fixed in roof at casting time as required. (2-113-7)	48 Nos.	Each
14 Providing & fixing 6 to 32 Amps, DP MCCB fixed on metal board recessed in the wall duly covered with fiber sheet, I/c inter-connection as required. (2-82-1)	80 Nos.	Each
15 Providing & fixing 6 Amps plastic ceiling rose on PVC Round block/Round Cover fitted on surface including connection as required. (2-75-4)	57 Nos.	Each
16 Providing & fixing Ding Dong/ Musical bell with magnetic, mechanical mechanism in Plastic body with metallic base on wooden block fitted on surface including connection as required.	30 Nos	Each
17 Supply & fixing 25mm (1") dia PVC conduit with all especial such as bends, sockets, Junction etc recessed in the wall or column as required. (2-67-7)	200 Rft	Rft
18 Supply & fixing 30mm (1¼") dia PVC conduit with all especial such as bends, sockets, Junction etc recessed in the wall or column as required (2-67-8).	500 Rft	Rft
19 Supply & fixing 40mm (1½") dia PVC conduit with all especial such as bends, sockets, Junction etc fitted on surface as required. (2-67-4)	800 Rft	Rft
20 Providing & fixing Cubical type metal sheet Distribution board with locking arrangement as per drawing ,vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required.	8 Sft	P.Sft
21 Providing & fixing Polycarbonate flame retardant Digital Telephone socket with fancy "Ivory" gang plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required. (Switch Kid make)	35 Nos.	Each

22	Providing & fixing 6 to 32 Amps, S.P circuit breaker fixed on surface on wooden board duly covered with fiber sheet, i/c inter-connection as required. (2.80.1)	50 Nos	Each
23	Providing & fixing 15 to 60 Amps,(Low Breaking Capacity) T.P circuit breaker fixed on surface wooden board duly covered with fiber sheet, i/c inter-connection as required.	5 Nos	Each
24	Providing & fixing 75 to 100 Amps,(Low Breaking Capacity) T.P circuit breaker fixed on surface wooden board duly covered with fiber sheet, i/c inter-connection as required.	5 Nos	Each
25	Providing & fixing 125 to 225 Amps,(Low Breaking Capacity) T.P circuit breaker fixed on surface wooden board duly covered with fiber sheet, i/c inter-connection as required.	4 Nos	Each
26	Providing & fixing 250 to 400 Amps,(Low Breaking Capacity) T.P circuit breaker fixed on existing board, i/c inter-connection as required. (2.81.6)	2 Nos	Each
27	Providing & fixing Cubical type metal sheet Distribution board with locking arrangement as per drawing ,vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required.	50 Sft	Sft
28	Providing & fixing 10 to 60 Amps, 4 pole, three phase bus bar strip fitted in given Distribution board complete with bus bar insulator, screws, bolts etc as required. (2.84.1)	10 Nos	Each
29	Providing & fixing 70 to 100 Amps, 4 pole, three phase bus bar strip fitted in given Distribution board complete with bus bar insulator, screws, bolts etc as required. (2.84.2)	3 Nos	Each
30	Providing & installing 140 Cm (56") sweep ceiling fan with blades, canopy, stranded length of down rod including connection with 14.0076" flexible wire complete as required. (without regulator) Millat/Pak/Asia/ Younas/ Climax/ Royal.	48 Nos.	Each
31	Providing & installing 45 Cm (18") sweep wall bracket fan complete with blades, regulator & pulling cord switch, fitted on wall or column with GI clip including connection as required. Millat/Pak/Asia/ Younas/Climax/ Royal. (2.107.3)	15 Nos	Each
32	Providing & installing 25 Cm (10") sweep, Plastic body Exhaust fan complete with blades, motor, etc fixed in existing hole including connection with 14/0076" flexible wire complete as required Millat/Pak/Asia / Younas/ Climax/ Royal. (2-10-2)	9 Nos.	Each
33	Providing and fixing Earthing set with 2'x2'x1/4" copper plate buried in the ground at a depth of 12 feet or less if water comes out from the ground level (with salt and charcoal, or Earthing chemical Powder) etc making the pit 12 feet deep by excavation of all type of soil (except soft or hard rock) i/c fixing of 8 SWG copper wire in 1/2 " G.I conduit complete in all respect as required. (3-9-3)	1 Job	Job

34	Wiring for sub-main with 2x 2.5 mm ² , PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 20 mm (3/4")dia PVC conduit recessed in the wall, column and roof etc including 1.5 mm ² PVC insulated wire single core wire as ECC as required.(2-41-2)	2000 Rft	Rft
35	Wiring for sub-main with 2x 4 mm ² , PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 20 mm (3/4")dia PVC conduit recessed in the wall, column and roof etc including 1.5 mm ² PVC insulated wire single core wire as ECC as required.(2-41-3)	1000 Rft	Rft
36	Wiring for sub-main with 2x 6 mm ² , PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 25 mm (1")dia PVC conduit recessed in the wall, column and roof etc including 2.5 mm ² PVC insulated wire single core wire as ECC as required.(2.41.4)	200 Rft	Rft
37	Providing & fixing 200 Amps, 4 pole, three phase bus bar strip set (Stranded size) fitted in suitable size metallic sheet steel box with hinged type front door duly painted and fixed on existing board l/c connection as required.(2.84.7)	3 Nos	Each
38	Supply & drawing of 10 mm ² , single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	1500 Rft	Rft
39	Supply & drawing of 16 mm ² , single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	150 Rft	Rft
		TOTAL Rs.	<hr/>

ITEM BASED ON M/R

1	Providing & fixing surface type LED fitting (SMD) 24 watts square shape 2'x2' complete as approved by the Engineer incharges as required.	9 Nos	Each
2	Providing & fixing 6 inch dia surface mounted round panel LED down lighter with 1x18 watts Led LAMP (Make pierlite, Philips or as approved by the Engineer incharge as required.	202 Nos.	Rft
3	Providing & installing of wall mounted water cooler stainless steel SS tank 21 gauge non magnetic compressor Bristol USA 20000 BTU 1.5 HP Make: Model No.WSC-200 size 30" x46" x34" or equivalent as approved by the Engineer incharge	1 No	Each
4	Providing & Installation of water purifier set operate on 220 V along with all cleaning filter as required. Make: Sosafe alter ultraviolet triple water purification system or equivalent	2 Nos	Each
5	Providing & installation of centrifugal pumping set 7.5 HP with new pumping set complete in all respect along with common base frame with the following specification: 1-7.5 HP Siemens electric motor (3.5 KW) 3x400 50 HZ 2950 RPM		

Centrifugal water pumping set ST steel shaft tin bruise implier
 Pump shaft stainless steel
 Pump housing cast iron lead 100 pt
 Max flow 110 GPM
 Discharge (Q) 100-150 GPM
 Suction & delivery 2"-1-1/2"
 The job include fixing of pumping set i/c electric connection etc as approved by the Engineer incharge as required.

1 Jobs

Job

- 6 Providing & installation of central panel starter wall mounted of 7.5 HP pumping set with given below:

1-30 amps TP MCCB

2-10 Amps TP MCCB

3-30/5 Amps CT

Digital amps meter with selector switch

3-Indicator

2- direr poll emetic magnetic contractor

suitable for 7.5 HP LOAD

2-thermal over load relays suitable for contractor

2-set On / Off push batten

3-2 Amps Fuse

The job including control wiring testing on load complete in all respect as required.

1 Nos.

Each

- 7 Supply, installation & connecting up of 20+150 PABX Panasonic complete with operator console and battery backup as per specifications and to the approval of the Engineer

1 Job

P.Job

- 8 Supply & installation of MS sheet 18 SWG powder coated TV junction box (TVJB) for CATV/MATV splitters complete in all respects.

2 Nos

Each

- 9 Supply & drawing of 2 pair, communication single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required as approved by the Engineer incharge

1500 Rft

Rft

Total Rs

Estimate

NAME OF WORK:-CONSTRUCTION OF OFFICE & LABORATORY BUILDING OF ANIMAL
QUARANTINE DEPARTMENT KARACHI. (SH. QUARTERS BUILDING)

S.#	Item of Work	Qty	Rate	Unit	Amount
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SH-III QUARTERS BUILDING

ITEM BASED ON S/R

- | | | | | | |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|-------|--|
| 1 | Wiring for light, fan or call bell point with (3/.029") PVC insulated wire in 20 mm ² , (3/4") dia PVC conduit recessed in the wall, column, roof , including 1mm ² single core PVC insulated wire as ECC as required. (2-4-1) | 32 Point | | Point | |
| 2 | Wiring for plug point with (3/.029") PVC insulated wire in 20 mm (3/4")dia PVC conduit recessed in the wall, column, roof , including 1mm ² , single core PVC insulated wire as ECC as required. (2-4-4) | 14 Point | | Point | |
| 3 | Providing & fixing 13 Amps Polycarbonate flame retardant 3-Pin switch socket unit with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(E15 Clipsal make) (2-74-5) | 8 Nos. | | Each | |
| 4 | Providing & fixing 15 Amps Polycarbonate flame retardant 3-Pin switch socket unit with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(Clipsal make) (2-74-6) | 6 Nos. | | Each | |
| 5 | Providing & fixing 10 Amps Polycarbonate flame retardant S.P switch with fancy required gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(E31-36/1/2A Clipsal make) (2-74-01) | 32 Nos. | | Each | |
| 6 | Providing & fixing 10 Amper Polycarbonate flame retardant universal/shoko socket with fancy "Ivory" gang plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required. (Switch Kid make) (2.73-4) | 8 Nos. | | Each | |
| 7 | Providing & fixing 10 Amps Polycarbonate flame retardant 2-Pin switch socket unit (Universal) with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required.(E15U Clipsal make)(2-74-4) | 8 Nos. | | Each | |
| 8 | Providing & fixing mirror light strip fitting, fitted on wooden block complete with cover holders, lamp etc as required. (2-104-4) | 2 Nos | | Each | |
| 9 | Providing & fixing Polycarbonate flame retardant, 400 watts fan dimmer with plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required. (E32V400F Clipsal make) (2-74-11) | 4 Nos. | | Each | |

10	Providing & fixing 4½" X 4½" size MS die casted, Powder coated recessed type fan clamp box with 1/2" dia MS bar fan clamp fixed in roof at casting time as required. (2-113-7)	4 Nos.	Each
11	Providing & fixing 6 to 32 Amps, DP MCCB fixed on metal board recessed in the wall duly covered with fiber sheet, i/c inter-connection as required. (2-82-1)	5 Nos.	Each
12	Providing & fixing 6 Amps plastic ceiling rose on PVC Round block/Round Cover fitted on surface including connection as required. (2-75-4)	6 Nos.	Each
13	Supply & fixing 25mm (1") dia PVC conduit with all especial such as bends, sockets, Junction etc recessed in the wall or column as required. (2-67-7)	50 Rft	Rft
14	Supply & fixing 30mm (1¼") dia PVC conduit with all especial such as bends, sockets, Junction etc recessed in the wall or column as required (2-67-8).	50 Rft	Rft
15	Supply & fixing 40mm (1½") dia PVC conduit with all especial such as bends, sockets, Junction etc fitted on surface as required. (2-67-4)	70 Rft	Rft
16	Providing & fixing Cubical type metal sheet Distribution board with locking arrangement as per drawing, vermin protected duly powder coated paint i/c all fastening material including wiring with suitable gauge PVC x PVC wire complete as required. (2.83.1)	5 Sft	P.Sft
17	Providing & installing 140 Cm (56") sweep ceiling fan with blades, canopy, stranded length of down rod including connection with 14.0076" flexible wire complete as required. (without regulator) Millat/Pak/Asia/ Younas/ Climax/ Royal. (2-106-3)	4 Nos.	Each
18	Providing & installing 45 Cm (18") sweep wall bracket fan complete with blades, regulator & pulling cord switch, fitted on wall or column with GI clip including connection as required. Millat/Pak/Asia/ Younas/Climax/ Royal. (2.107.3)	2 Nos	Each
19	Providing & installing 25 Cm (10") sweep, Plastic body Exhaust fan complete with blades, motor, etc fixed in existing hole including connection with 14/0076" flexible wire complete as required Millat/Pak/Asia / Younas/ Climax/ Royal. (2-10-2)	4 Nos.	Each
20	Providing and fixing Earthing set with 2'x2'x1/4" copper plate buried in the ground at a depth of 12 feet or less if water comes out from the ground level (with salt and charcoal, or Earthing chemical Powder) etc making the pit 12 feet deep by excavation of all type of soil (except soft or hard rock) i/c fixing of 8 SWG copper wire in 12" dia hole in concrete slab. (2-2-2)	1 Job	Job

- 21 Wiring for sub-main with 2x 2.5 mm², PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 20 mm (3/4") dia PVC conduit recessed in the wall, column and roof etc including 1.5 mm² PVC insulated wire single core wire as ECC as required.(2-41-2)

100 Rft

Rft

TOTAL Rs.

ITEM BASED ON M/R

- 1 Providing & Installation of water purifier set operate on 220 V along with all cleaning filter as required.
Make: Sosafe alter ultraviolet triple water purification system or equivalent
- 2 Providing & fixing 6 inch dia surface mounted round panel LED down lighter with 1x18 watts Led LAMP (Make pierlite, Philips or as approved by the Engineer incharge as required.

1 Nos

Each

18 Nos.

Rft

Total Rs.

WARDING

Adi

Rs

Rs

Rs 3