

# GOVERNMENT OF PAKISTAN PAKISTAN PUBLIC WORKS DEPARTMENT \*\*\*\*\*

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

# INVITATION TO BID

Karachi, dated: 09-05-2022

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 30<sup>th</sup> June 2022 and having valid mandatory Electrical License from Electric Inspectorate, Govt. of Sindh up to 31<sup>st</sup> December 2022. Tender documents can be received from the office of the undersigned during office hours on any working day upto **28<sup>th</sup> 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 **30<sup>th</sup> 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 <sup>ND</sup> 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 : 2<sup>nd</sup> of June 2022.

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

# **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.

	COLONY, RANSHORE LINE, NANK WARA, OLL	TOWN CRIMIN	Rate	Unit	Amount
S.NO.	Item of Work	Qty.	Nate		
1	SH-I ITEM BASED ON M/R 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	
1	SH-II ITEM BASED ON S/R 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			P/Mtr	
	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 ail kinds existing or given conduit/cable duct as required			P/Mtr	
	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	•		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.

	TALAO & SADDAR TOW	M) DISTRICT 300		Unit	Amount
s.NO.	Item of Work	Qty.	Rate	Unit	71111071110
1	SH-LITEM BASED ON M/R 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.	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	
4	SH-I ITEM BASED ON S/R 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	800 Mtr		P/Mtr	
	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	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 l/e wiring with 2.5 mm PVC insulated wire as required				
	mm PVC insulated wife as required	80 Nos		Each	
				TOTAL RS.	ernes (angrige) nem/ et/, peetron volum e
	Total M/R				
	Total 9/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  SH-ITEM BASED ON M/R  I Providing & Installation ABC Connector as per KE Standard complete on with complete on supproved by the Engineer incharge.  Item of Work  Providing & Installation ABC Connector as per KE 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 condutificable duct as required  Providing & laying 2 core 2.5mm2 standard copper conductor PVC Insulated & PVC shealth cable I/C 1 mm2 single ron Providing & laying 2 core PVC Insulated wire as ECC in all kinds existing or given condutificable duct as required given co		NAGAR & GARDEN),	DISTRICT SOUTH	KARACHI.		T A marine
1 Providing & fixing road light fitting (metal casted SOGO or equivalent) complete with 1x250 watts sodium lamp, 250 watt ballast, ignitor & capcior (all philips componets) as approved by engineer incharge complete as required.  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 duly 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  5 Providing & Installation ABC Connector as per KE Standard complete as required as approved by the Engineer Incharge.  200 Nos Each  5 Providing & Installation ABC Connector as per KE Standard complete as required as approved by the Engineer Incharge.  200 Nos Each  6 Providing & Isying 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  2 Providing & Isying 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  910 Mtr P/Mtr	S.NO.	Item of Work	Qty.	Rate	Unit	Amount
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  5 Providing & Installation ABC Connector as per KE Standard complete as required as approved by the Engineer Incharge.  5 Providing & Installation ABC Connector as per KE Standard complete as required as approved by the Engineer Incharge.  6 SH-LITEM 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  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  3 Providing & Installation angle iron bracket (2/2.5 feet long) heavy duty to hold the flood light having nut / rewal bott fixed on wall or electric pole as approved by the Engineer		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	
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  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  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 5/R 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  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  3 Providing & Installation angle iron bracket (2/2.5 feet long) heavy duty to hold the flood light having nut / reval bolt fixed on wall or efectire pole as approved by the Engineer	2	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 (October 1987).				
body , heavy duly 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  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  Providing & Installation ABC Connector as per KE Standard complete as required as approved by the Engineer Incharge. 200 Nos Each  SH-I ITEM BASED ON S/R  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  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 1325 Mtr P/Mtr  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					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  5 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	3	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 (Costo 107)				
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  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  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  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  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					Each	
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  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  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  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	4	porlean make enclosed in wooden beauti	s s			
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  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	5	Clandald Complete as required -	IS			
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  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  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					Total Rs	
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	1	Providing & laying 2 core 1.5mm2 standar copper conductor PVC Insulated & PV shealth cable I/C 1 mm2 single core PV Insulated wire as ECC in all kinds existing	C C or		P/Mtr	
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	2	Providing & laying 2 core 2.5mm2 standa	ırd			
(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		copper conductor PVC Insulated & P\ shealth cable I/C 1.5 mm2 single core P\ Insulated wire as ECC in all kinds existing	/C /C or		P/Mtr	
Incharge. 30 Nos Each	:	(2/2.5 feet long) heavy duty to hold the flo light having nut / rewal bolt fixed on wall electric pole as approved by the Engine	od or			
		Incharge.			Each	

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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. Unit Amount Rate Qty S.# Item of Work 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<sup>2</sup>, (3/4") dia PVC conduit recessed in the wall, column, roof, including 1mm<sup>2</sup> single core PVC insulated wire as ECC as required. (2-4-1) **Point** 81 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 1mm², 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 1mm2, 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 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) 9 Nos. Each (2-74-6)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)

Each

81 Nos.

1				
8	un die or	oviding & fixing 10 Amper Polycarbonate flame retardant iversal/shoko socket with fancy "Ivory" gang plate fixed on a fabricated, powder coated, metal board recessed in the wall column including connection as required. (SwitchKid make) 1.73-4)	14 Nos.	Each
9	P	roviding & fixing 10 Amps Polycarbonate flame retardant 2- rin 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
		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
		required. (2-75-1)	17 NOS.	Eacn
	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)		Each
		Supply & fixing 25mm (1") dia PVC conduit with all especia such as bends, sockets, Junction etc recessed in the wall column as required. (2-67-7)	100 Rft	Rft
	17	Supply & fixing 30mm (1½") dia PVC conduit with especial such as bends, sockets, Junction etc recessed in twall or column as required (2-67-8).	all he 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)	00 Rft	P.Rft
19 Providing & fixing Cubical type metal sheet Distribution board with locking arrangment 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
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 chamical 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)		
21 Providing & installing 140 Cm (56") sweep ceiling fan with blades, canopy, strandard length of down rod including connection with 14.0076" flexable wire complete as required. (without regulator) Millat/Pak/Asia/ Younas/ Climax/ Royal. (2-106-3)	1 Job 12 Nos.	P.Job Each
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)		
Providing & installing 25 Cm (10") sweep, Plastic body Exhaust fan complete with blades, motor, etc fixed in existing hole including connection with 14/.0076" flexable wire complete as required Millat/Pak/Asia / Younas/ Climax/Royal. (2-10-2)	2 Nos 5 Nos.	Each Each
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)	,	P.Rft
Wiring for sub-main with 2x 4 mm <sup>2</sup> , PVC insulated wir 300/500 volts grade, single core, stranded copper conducte wire in 20 mm (3/4")dia PVC conduit recessed in the war column and roof etc including 1.5 mm <sup>2</sup> PVC insulated wir single core wire as ECC as required.(2-41-3)	11,	P.Rft

wiring for sub-main with 2x 6 mm <sup>2</sup> , 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 <sup>2</sup> PVC insulated wire single core wire as ECC as required.(2.41.4)	100 Rft	P.Rft
27 Supply & drawing of 10 mm <sup>2</sup> , single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.(2-32-5)	100 Rft	P.Rft
<ul> <li>ITEM BASED ON M/R</li> <li>Providing &amp; fixing surface type LED fitting (SMD) 24 watts square shape 2'x2' complete as approved by the Engineer incharges as required.</li> </ul>	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
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: a) 1-200 Amps TP MCCB b) 200 Amps 4 core bus bar c) 3-200/5 Amps Current transformer d)3A SP MCB e) 0-500 V Voltmeter (Digital) f) Volt Amp meter g) Digital Amp meter h) 3 indicator lamp OUT-GOING: a) 4-50 AMPS TP MCCB b) 1-20 Amps TP MCCB The cost including interconnection, testing, cable glands & transportation etc ground floor SMBB as approved by the	a Jah	P.Job
Engineer incharge	1 Job	

abricated 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)

14/4/412	QUARANTINE DEPARTMENT KARACIII. (SII. I	LABORATORY	Rate Unit Amount
S.#	Item of Work	Qty	Rate Unit Amount
SH-	LABORATORY BUILDING		
1 Win wir col	M BASED ON S/R ring for light, fan or call bell point with (3/.029") PVC insulated e in 20 mm <sup>2</sup> , (3/4") dia PVC conduit recessed in the wall, umn, roof, including 1mm <sup>2</sup> single core PVC insulated wire as C as required. (2-4-1)	140 Point	Point
20 inc	ring for two way light point with (3/.029") PVC insulated wire in mm (3/4")dia PVC conduit recessed in the wall, column, roof, cluding 1mm <sup>2</sup> , single core PVC insulated wire as ECC as required4-3)	1 Point	Point
w	roviding & fixing 10 Amps Polycarbonate flame retardant Two ray switch with fancy gang plate fixed on die fabricated, powder pated, metal board recessed in wall or column including connection is required. (E31/2/3A Clipsal make) (2-74-2)	1 Nos.	Each .
) (	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 <sup>2</sup> single core, PVC insulated wire as ECC as required. (2-9-4)  Wiring for plug point with (3/.029") PVC insulated wire in 20 mm	6 Point	Point
5	(3/4")dia PVC conduit recessed in the wall, column, roof, including 1mm², single core PVC insulated wire as ECC as required. (2-4-4)	63 Point	Point
	Providing & fixing 13 Amps Polycarbonate flame retardant 3-Pir 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)	g 29 Nos.	Each
	Providing & fixing 15 Amps Polycarbonate flame retardant 3-Pi switch socket unit with fancy gang plate fixed on die fabricated powder coated metal board recessed in wall or column includin connection as required.(Clipsal make)	34 Nos.	Each .
8	Providing & fixing 10 Amps Polycarbonate flame retardant S. switch with fancy required gang plate fixed on die fabricate powder coated metal board recessed in wall or column includir connection as required.(E31-36/1/2A Clipsal make) (2-74-01)	134 Nos.	Each
9	Providing & fixing 10 Amper Polycarbonate flame retardard universal/shoko socket with fancy "Ivory" gang plate fixed on continuous fabricated, powder coated, metal board recessed in the wall fabricated, powder coated, as required. (Switch Kid make) column including connection as required.	ant die or 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
Providing & fixing mirror light strip fitting, fitted on wooden block complete with cover holders, lamp etc as required. (2-104-4)	2	Nos	Facel
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)	•	1103	Each
	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.			
44 B - 19	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 interconnection as required. (2-82-1)	40	Nos.	
15 Providing & fixing 6 Amps plastic ceiling rose on PVC Round block/Round Cover fitted on surface including connection as required. (2-75-4)			Each
,	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)			Lucii
	200	Rft	Rft
18 Supply & fixing 30mm (11/4") dia PVC conduit with all especial such as bends, sockets, Junction etc recessed in the wall or column as required (2-67-8).	300	D/+	
a Gaine 40mm (11/11) die DVG eardeite de	-	NI C	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	06.
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 sultable gauge PVC x PVC wire complete as required. (2.83.1)			Rft
	6	Sft	P.Sft
Providing & installing 140 Cm (56") sweep ceiling fan with blades, canopy, strandard length of down rod including connection with canopy, strandard length of down rod including connection with 14.0076" flexible wire complete as required. (without regulator) 14.0076" flexible wire complete As required. (without regulator) Millat/Pak/Asia/ Younas/ Climax/ Royal.	21	Nos.	Each
Millians			

salling 45 Cm (18") sweep wall bracket fan complete		
with GI clip including column with GI clip including column with GI clip including with solution with GI clip including column	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)		
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)		
11.3)	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	
29 Supply & drawing of 16 mm², single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	JOO KIL	Rft
g was containe able duct as required.	700 Rft	Rft
		TOTAL Rs.
ITEM BASED ON M/R		
Surface mounted fluorescent batten fitting with 1x28 watts TS lamp Make pierlite, Philips or as approved by the Engineer incharge		
	65 Nos.	Foot
2 Providing & fixing 6 inch dia surface mounted round panel LED down lighter with 1x18 watts Led LAMP (Make pierlite, Philips o	) r	Each
as approved by the Engineer incharge as required.	29 Nos,	
		Rft
		Total Rs.

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

NAME OF QUARANTINE DEFINITION OF THE PARTY O	Qty	Rate   Unit	Amount
Name QUARALTEE of Work			
S.# SH-II OFFICE BUILDING			
SH-II OFFICE BOILDING  ITEM BASED ON S/R  Wiring for light, fan or call bell point with (3/.029") PVC insulated  wire in 20 mm², (3/4") dia PVC conduit recessed in the wall, column, wire in 20 mm², (3/4") dia PVC insulated wire as ECC as roof, including 1mm² single core PVC insulated wire as ECC as	335 Point	Point	
required. (2-4-1)  required. (2-4-1)  required for two way light point with (3/.029") PVC insulated wire in			
including 1mm², single core PVC insulated wire as ECC as require (2-4-3)	2 Point	Point	
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	ı
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 <sup>2</sup> single core, PVC insulated wire as ECC as required. (2-9-4)	o S 23 Point	Point	
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 1mm², single core PVC insulated wire as ECC as required. (2-4-4)	g 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).	1,	Each	
7 Providing & fixing 15 Amps Polycarbonate flame retardant 3-Pi switch socket unit with fancy gang plate fixed on die fabricated powder coated metal board recessed in wall or column includin	ı, g	-	
Providing & fixing 10 Amps Polycarbonate flame retardant S. 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)	a, ng	Each	
9 Providing & fixing 10 Amper Polycarbonate flame retardal universal/shoko socket with fancy "Ivory" gang plate fixed on d fabricated, powder coated, metal board recessed in the wall column including connection as required. (Switch Kid make)	or	Each	
Column	58 Nos.	Each	

fi	Providing & fixing 10 Amps Polycarbonate flame retardant 2-Pin witch socket unit (Universal) with fancy gang plate fixed on die abricated, powder coated metal board recessed in wall or column including connection as required. (E15U Clipsal make)(2-74-4)	74 Nos.	Each
C	Providing & fixing mirror light strip fitting, fitted on wooden block complete with cover holders, lamp etc as required. (2-104-4)	5 Nos	Each
ł	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
1	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
	Providing & fixing 6 to 32 Amps, DP MCCB fixed on metal board recessed in the wall duly covered with fiber sheet, I/c interconnection 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
	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
	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
	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

1000			
12	providing & fixing 6 to 32 Amps, S.P circuit breaker fixed on surface on wooden board duly covered with fiber sheet, 1/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, 1/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	3 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
2	9 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
3	O 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
3	1 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)		; Each
3	2 Providing & installing 25 Cm (10") sweep, Plastic body Exhaust far complete with blades, motor, etc fixed in existing hole including connection with 14/.0076" flexible wire complete as require Millat/Pak/Asia / Younas/ Climax/ Royal. (2-10-2)		os. Each
3	Providing and fixing Earthing set with 2'x2'x1/4" copper plate buries 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 Powde etc making the pit 12 feet deep by excavation of all type of so (except soft or hard rock) i/c fixing of 8 SWG copper wire in 1/2 (except soft or hard rock)	r) oil	
	(except soft or hard rock) 7/6 fixing of 6 5 % 6 5 % 6 5 % 6 5 % 6 6 6 % 6 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 % 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6 6 % 6	1 J	ob Job

1	34	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	
	35	Wiring for sub-main with 2x 4 mm <sup>2</sup> , 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 <sup>2</sup> PVC insulated wire single core wire as ECC as required.(2-41-3)	1000 Rft	Rft	
3		Wiring for sub-main with 2x 6 mm <sup>2</sup> , 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 <sup>2</sup> PVC insulated wire single core wire as ECC as required.(2.41.4)	200 Rft	Rft	
3		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 1/c connection as required.(2.84.7)	3 Nos	Each	
3	38	Supply & drawing of 10 mm <sup>2</sup> , single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	1500 Rft	Rft	
3	39	Supply & drawing of 16 mm <sup>2</sup> , single core, PVC insulated wire in all kinds of existing or given conduit/cable duct as required.	150 Rft	Rft	_
					_
				TOTAL Rs.	_
		ITEM RASED ON M/R		TOTAL Rs.	
:	1	ITEM BASED ON M/R Providing & fixing surface type LED fitting (SMD) 24 watts square shape 2'x2' complete as approved by the Engineer incharges as required.	9 Nos	TOTAL Rs.  Each	
	1 : 2 l	Providing & fixing surface type LED fitting (SMD) 24 watts square shape 2'x2' complete as approved by the Engineer incharges as			
2	1 2 1 2 1 3 3 5 5 S S	Providing & fixing surface type LED fitting (SMD) 24 watts square shape 2'x2' complete as approved by the Engineer incharges as required.  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.  Providing & installing of wall mounted water cooler stainless steel SS tank 21 gauge non magnetic compressor Bristol USA 20000 BTU	9 Nos	Each	
3	1 2 I Constant of the second o	Providing & fixing surface type LED fitting (SMD) 24 watts square shape 2'x2' complete as approved by the Engineer incharges as required.  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.  Providing & installing of wall mounted water cooler stainless steel as tank 21 gauge non magnetic compressor Bristol USA 20000 BTU .5 HP  Make: Model No.WSC-200 size 30" x46" x34" or equivalent as pproved by the Engineer incharge	9 Nos	Each	
3	1 2 l constant of the second o	Providing & fixing surface type LED fitting (SMD) 24 watts square shape 2'x2' complete as approved by the Engineer incharges as required.  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.  Providing & installing of wall mounted water cooler stainless steel as tank 21 gauge non magnetic compressor Bristol USA 20000 BTU .5 HP  Make: Model No.WSC-200 size 30" x46" x34" or equivalent as pproved by the Engineer incharge  roviding & Installation of water purifier set operate on 220 V along with all cleaning filter as required.  fake: Sosafe alter ultraviolet triple water purification system or quivalent	9 Nos 202 Nos.	Each Rft	
3	1 2 ll control of the second o	Providing & fixing surface type LED fitting (SMD) 24 watts square shape 2'x2' complete as approved by the Engineer incharges as required.  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.  Providing & installing of wall mounted water cooler stainless steel as 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 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	9 Nos 202 Nos. 1 No	Each Rft 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

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 Job 1 Jobs approved by the Engineer inchage as required. 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 The job including control wiring testing on load complete in all Each 1 Nos. respect as required. 7 Supply, installation & connecting up of 20+150 PABX Panasonic complete with operator console and battery backup as per P.Job 1 Job specifications and to the approval of the Engineer 8 Supply & installation of MS sheet 18 SWG powder coated TV junction box (TVJB) for CATV/MATV splitters complete in all Each 2 Nos respects.

1500 Rft

**Total Rs** 

# **Estimate**

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

NAME OF WORK:-CONSTRUCTION OF	OFFICE & LABORATO RTMENT KARA <mark>CHI. (SI</mark>	L OUARTERS	BUILDING)	
QUARANTINE DEPA		Qty	Rate Unit	Amount
SH-III QUARTERS BUILDING  ITEM BASED ON S/R  Wiring for light, fan or call bell point wire in 20 mm², (3/4") dia PVC cor column, roof, including 1mm² single ECC as required. (2-4-1)	core PVC insulated wire as	32 Point	Point	
Wiring for plug point with (3/.029") P (3/4")dia PVC conduit recessed in including 1mm², single core PVC required. (2-4-4)	insulated wire as ECC a	s 14 Point	Point	
3 Providing & fixing 13 Amps Polycan switch socket unit with fancy gang powder coated metal board recessed connection as required. (E15 Clipsal re	in wall or column includir	n d, ng 8 Nos.	Each	
4 Providing & fixing 15 Amps Polyc switch socket unit with fancy gang powder coated metal board recesse connection as required. (Clipsal mal (2-74-6)	ed in wall or column include ke)	6 Nos.	Eac	h
5 Providing & fixing 10 Amps Pol switch with fancy required gang powder coated metal board recess connection as required.(E31-36/1/2	or column more	ted, ding 32 Nos.	Ea	ch
<ul> <li>6 Providing &amp; fixing 10 Amper universal/shoko socket with fancy fabricated, powder coated, meta column including connection as required.</li> <li>7 Providing &amp; fixing 10 Amps Poswitch socket unit (Universal) fabricated, powder coated meta including connection as required.</li> </ul>	equired. (Switch Kid make) ( blycarbonate flame retardant with fancy gang plate fixed	2.73- 8 Nos 2-Pin on die olumn	•	ach Each
8 Providing & fixing mirror light complete with cover holders, la	strip fitting, fitted on woode mp etc as required.	n block 2 No	os	Each
(2-104-4)  9 Providing & fixing Polycarbo dimmer with plate fixed on board recessed in the wall required. (E32V400F Clipsal	or column more	vatts fan d, metal ction as 4 N	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)		
11	Providing & fixing 6 to 32 Amps, DP MCCB fixed on metal	4 Nos.	Each
	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 (14") 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
1	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
1	of 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		
	DOVIDED SIG MAKING HIS PROPERTY.		1 - 1-

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

Job

1 Job

21	Wiring for sub-main with 2x 2.5 mm <sup>2</sup> , 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 <sup>2</sup> PVC insulated wire significant.			
	including 1.5 mm <sup>2</sup> PVC insulated wire single core wire as ECC as required.(2-41-2)	100 Rft	Rft	ARDIN
	ITEM BASED ON M/R		TOTAL Rs.	Ac
1	Providing & Installation of water purifier set operate on 220 V along with all cleaning filter as required.			$\frac{1}{R}$
	Make: Sosafe alter ultraviolet triple water purification system or equivalent	1 Nos	Each	$R_{S}$
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.	18 Nos.	Rft	
			Total Rs.	