



GOVERNMENT OF PAKISTAN
PAKISTAN PUBLIC WORKS DEPARTMENT

No.EE/ KCE&M-II/NIT/120

Karachi, dated: 03-04-2024

To,

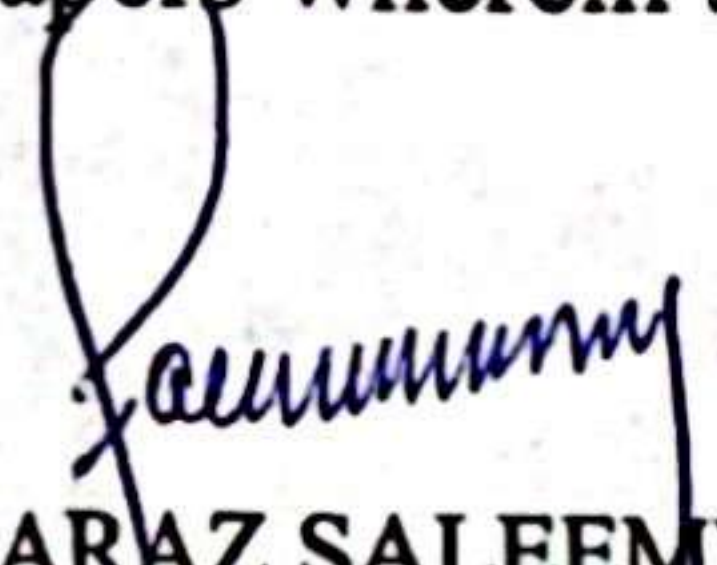
The Regional Director,
Press Information Department,
Government of Pakistan,
Karachi.

The Deputy Director – III,
Public Procurement Regulatory Authority,
FBC Building,
Sector G-5/2,
Islamabad.

SUBJECT:- CLASSIFIED ADVERTISEMENT – NOTICE INVITING TENDER.

Please find enclosed herewith specimen of Classified Advertisement Notice Inviting Tenders, for publication in two daily leading news papers (in Urdu and English) on or before 04.04.2024

It is certified that funds are available to meet the expenditure of this publication. Necessary bill supported with the tear sheets of the newspapers wherein the advertisement appeared may be sent to this office for payment thereof.


(FARAZ SALEEM)
EXECUTIVE ENGINEER
KARACHI CENTRAL E/M DIVISION NO-II
PAK. P.W.D., KARACHI.

Copy for information to:-

1. The Chief Engineer (South) Pak. PWD., Karachi.
2. The Superintending Engineer (QS), DG's office, Pak.P.W.D., Islamabad
pak.public.works.department@gmail.com along with scope of each scheme for hoisting in Department website. A soft copy of the same is also being emailed for compliance of the instructions in letter and spirit.
3. The Superintending Engineer (Monitoring) Director General's Office, Pak. PWD., Islamabad.
4. The Superintending Engineer Karachi Central E/M Circle, Pak. PWD., Karachi.
5. The Divisional Accounts Officer of this Division.
6. Cashier of this Division.
7. Notice Board.

EXECUTIVE ENGINEER



GOVERNMENT OF PAKISTAN
PAKISTAN PUBLIC WORKS DEPARTMENT

No.EE/ KCE&M-II/NIT/120

Karachi, dated: 03-04-2024

NOTICE INVITING TENDER

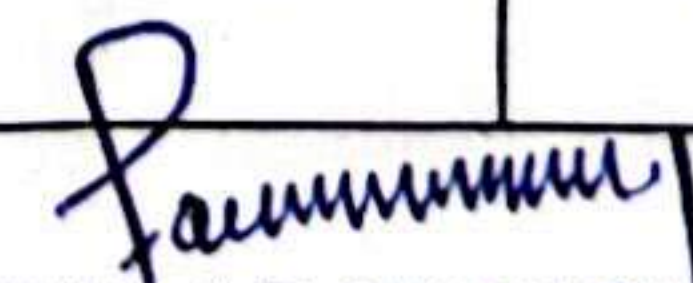
Sealed tenders are hereby invited against the work mentioned below on percentage rate basis from bidders dealing in respective fields for which they are applying. The tender documents can be obtained from the office of Executive Engineer Central E/M Division No.II, Pakistan Public Works Department Karachi from the date of publication till 25th April 2024, in office timing (except gazetted holidays). **After paying the tender fee mentioned below (non-refundable) in the shape of Pay Order with application for each tender in favor of Executive Engineer Central E/M Division No.II, Pakistan Public Works Department Karachi. No tender will be issued without pay order of tender fee and application. The Earnest money of bid amount of each work mentioned in the estimated amount column, in shape of Pay Order / CDR / Bank Guaranty from the Firm / Company's own account in favor of Executive Engineer Central E/M Division No. II, Pakistan Public Works Department Karachi. No cheques or pay order on this account shall be accepted on the date of opening tenders. The tender documents must reach in the office of undersigned by 26th April, 2024 at 11:00 A.M will be opened same day at 11:30 A.M in the presence of contractors or their authorized representatives. Tender received by mail, courier, and fax or telegraphically shall not be entertained whereas the competent authority reserves the right to reject one or all tenders as per PPRA Rules. This advertisement is also available on PPRA website at www.ppra.org.pk.**

1. Eligibility Criteria:-

- Participating firm must be well established and registered with Govt authorities (FBR, SRB etc).
- Firm must be on Active Tax Payer list (ATL).
- Firm must provide copy of valid approved CNIC, NTN.
- Firm must be registered with PEC (Pakistan Engineering Council) valid upto 30th June 2024 having following codes
 - For Serial No. 1 to 2 : EE04 .
- Firm must provide valid Electrical Contractor License upto 31st December 2024 from same provincial authority.
- No tenders will be issued without completing of all above mentioned eligibility criteria.

2. Method of Procurement: Single Stage - Single Envelope Procedure.

S.#	Name of Work	N.I.T Amount	Earnest Money/Bid Security of Bid amount	Period of Completion	Cost of Tender
1	UP-GRADATION OF ASF A.S.F ACADEMY AT KARACHI SUB HEAD MALE TRAINEE HOSTEL BLOCK-3 (ELECTRIFICATION WORK)	Rs. 9730435	Rs.292000	09 Months	Rs.3000
2	CONSTRUCTION OF 04 ROOM SCHOOL BUILDING AT VILLAGE WAHID BUX MARRI TALUKA GOLARCHI DISTRICT BADIN (ELECTRIFICATION WORK)	Rs. 738514	Rs.22500	06 Months	Rs.1000


(FARAZ SALEEM)
EXECUTIVE ENGINEER
KARACHI CENTRAL E/M DIVISION NO-II
PAK. P.W.D., KARACHI.



UPGRADATION OF ASF ACADEMY AT KARACHI
MALE TRAINEE HOSTEL BLOCK-3
(SH: ELECTRICAL WORK) Block 3

ABSTRACT

S.No	Sub Head No.	Name Of Work	Rate Based On S/R (A)	Rate Based On M/R (B)	N.I.T Amount (A+B)	Premium	TS
1	SUB HEAD I (item No. 1 to 20)	WIRING, MAIN OR SUB MAIN AND DISTRIBUTION BOARDS	7,848,829.00		7,848,829.00		
2	SUB HEAD II (item No. 1 to 10)	FITTINGS AND FIXTURES (SUB-HEAD II)	1,080,956.00		1,080,956.00		
3	SUB HEAD III (item No. 1 to 4)	NETWORKING (SUB-HEAD III)	632,315.00		632,315.00		
4	SUB HEAD IV (item No. 1 to 5)	MARKET RATE ITEM (SUB-HEAD IV)	9,562,100.00	168,334.00	9,730,434.00		
					Total Rs.		
					Say Rs.		

[Signature]
 Assistant Executive Engineer II
 Karachi Center E/M Division II
 Pak PWD Karachi

[Signature]
 Executive Engineer
 Karachi Center E/M Division II
 Pak PWD Karachi

ELECTRICAL WORK

S.No	SH-S/R	Description	Units	Quantity	Rate	Amount
		SCHEDULE RATE ITEMS(SUB-HEAD I)				
		WIRING, MAIN OR SUB MAIN AND DISTRIBUTION BOARDS				
1	02-11-01	Wiring for light or fan point with 1.5 mm ² single core, PVC insulated wire copper conductor wire in 20 mm (3/4") dia uPVC conduit recessed in the wall or column, roof etc. including 1 mm ² single core PVC insulated wire as ECC as required.	Point	906	2,945.00	2,668,170.00
						(Two Thousand Nine Hundred Fourty Five Only)
2	2-11-03	Wiring for two way light point with 1.5 mm ² single core, PVC insulated wire copper conductor wire in 20 mm (3/4") dia uPVC conduit recessed in the wall or column, roof etc. including 1 mm ² single core PVC insulated wire as ECC as required.	Point	15	3,825.00	57,375.00
						(Rupees Three Thousand Eight Hundred Twenty Five Only)
3	02-13--03	Extension/Additional wiring for light, fan or call bell point controlled with same switch with 1.5mm ² PVC insulated wire in 20 mm (3/4") dia uPVC conduit recessed in the wall or column, including 1mm ² PVC insulated wire as ECC as required.	P/Point	101	1,316.00	132,916.00
						(Rupees One Thousand Three Hundred Sixteen Only)
4	2-35-01	Wiring for sub-main with 2x 1.5 mm ² , PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 20 mm (3/4") dia uPVC conduit recessed in the wall, column and roof etc including 1 mm ² PVC insulated wire single core wire as ECC as required	Rft	4003	99.00	396,297.00
						(Rupees Ninety Nine Only)
5	2-35-02	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 uPVC conduit recessed in the wall, column and roof etc including 1.5 mm ² PVC insulated wire single core wire as ECC as required	Rft	9738	137.00	1,334,106.00
						(Rupees One Hundred Thirty Seven Only)
6	2-35-03	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 uPVC conduit recessed in the wall, column and roof etc including 1.5 mm ² PVC insulated wire single core wire as ECC as required.	Rft	546	195.00	106,470.00
						(Rupees One Hundred Ninety Five Only)
7	2-35-04	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 uPVC conduit recessed in the wall, column and roof etc including 2.5 mm ² PVC insulated wire single core wire as ECC as required.	P/Rft	4294	245.00	1,052,030.00
						(Rupees Hundred Fourty Five Only)
8	2-43-03	Wiring for sub-main with 4 core, 4 mm ² , stranded copper conductor, PVC insulated & PVC sheathed circular/flat cable 1/C 1.5 mm ² single core PVC insulated wire as ECC in 25 mm (1 ") dia uPVC conduit fitted on surface as required.	Rft	180	320.00	57,600.00
						(Rupees Three Hundred Twenty Only)

NIT

Name OF Work;-UPGRADATION OF ASF ACADEM AT KARACHI.(SH-MALE TRAINEE HOSTEL) - 3 (S-
H)INTERNAL ELECTRIFICATION WORK) Block-3

ELECTRICAL WORK

S.No	Description	Units	Quantity	Rate	Amount	
9	2-43-04 Wiring for sub-main with 4 core, 6 mm ² , Stranded copper conductor, PVC insulated & PVC sheathed circular/flat cable 1/C 2.5 mm ² single core PVC insulated wire as ECC in 30 mm (1 1/4") dia uPVC conduit fitted on surface as required.		25	440.00	11,000.00	
(Rupees Four Hundred Fourty Only)						
10	3-04-01 (A) Providing & laying 4 16 mm ² core, PVC Insulated & PVC sheathed, 600/1000 volts grade with stranded copper conductor, un armoured, L. T cable in existing all kind of conduit or cable duct as per Pak. P.W.D specification as required.	Rft	30	804.00	24,120.00	
(Rupees Eight Hundred Four Only)						
11	3-02-01 Providing & laying 4 core, PVC Insulated & PVC sheathed, 600/1000 volts grade with stranded copper conductor, armoured underground, L.T cable buried in the ground dully covered with sand and warning cable tiles as per Pak. P.W.D specification as required.					
	h	120 mm.sq.	Rft	90	6,762.00	608,580.00
(Rupees Six Thousand Seven Hundred Sixty Two Only)						
12	2-73-01 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.	P/Sft	48	6,006.00	288,288.00	
(Rupees Six Thousand Six Only)						
13	2-69-04 Providing & fixing 60 Amps, 500 volts, 3 phase, 4 Pole, change over switch fitted on all kind of existing board 1/c incoming & outgoing connection as required.		1	6,296.00	6,296.00	
(Rupees Six Thousand Two Hundred Ninety Six Only)						
14	02-71-04 Providing & fixing 10 to 60 Amps,(High Breaking Capacity) T.P MCCB fixed on existing board, 1/c inter-connection as required.	Each	35	10,338.00	361,830.00	
(Rupees Ten Thousand Three Hundred Thirty Eight Only)						
15	2-71-19 Providing & fixing 160 to 250 Amps,(Adjustable-High Breaking Capacity) 4 Pole circuit breaker fixed on existing board, 1/c inter-connection as required.	Each	2	62,271.00	124,542.00	
(Rupees Sixty Two Thousand Two Hundred Seventy One Only)						
16	2-71-07 Providing & fixing 250 to 400 Amps,(High Breaking Capacity) T.P circuit breaker fixed on existing board, 1/c inter-connection as required.		2	42,489.00	84,978.00	
(Rupees Forty Two Thousand Four Hundred eighty Nine Only)						
17	2-71-01 Providing & fixing 6 to 32 Amps, S.P MCCB fixed on existing board, 1/c inter-connection as required.	Each	245	870.00	213,150.00	
(Rupees Eight Hundred seventy Only)						
18	2-75-01 Providing & fixing pilot lamp set fitted on existing board 1/c connection as required.	set	16	872.00	13,952.00	
(Rupees Eight Thousand Seventy Two Only)						
19	2-87-05 Providing & fixing 3"x4"x5" size 1/8" thick recessed type fan clamp box with 5/8" dia MS bar fan clamp fixed in roof at casting time as required	Each	115	1,527.00	175,605.00	
(Rupees One Thousand Five Hundred Twenty Seven Only)						

NIT

Name OF Work;-UPGRADATION OF ASF ACADEM AT KARACHI.(SH-MALE TRAINEE HOSTEL) ³ (S-
H)INTERNAL ELECTRIFICATION WORK) Block-3

ELECTRICAL WORK

S.No	Description	Units	Quantity	Rate	Amount	
20	03-08-02 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) l/c fixing of 8 SWG copper wire in 1/2 " G.I conduit complete in all respect as required.	100	2	65,762.00	131,524.00	
					(Rupees Sixty Five Thousand Seven Hundred Sixty Two Only)	
					TOTAL OF SUB HEAD I	7,848,829.00
FITTINGS AND FIXTURES (SUB-HEAD II)						
1	02-65-02 Providing & fixing 10 Amps Polycarbonate flame retardant S.P switch with fancy "Ivory" gang plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required. (MATRIX / SOK / TJ SERIES/TRUST make)	Each	906	294.00	266,364.00	
					(Rupees Two Hundred Ninety Four Only)	
2	02-65-02 Providing & fixing 10 Amps Polycarbonate flame retardant two way switch with fancy "Ivory" gang plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required. (MATRIX / SOK / T J SERIES/TRUST make)	Each	15	348.00	5,220.00	
					(Rupees Three Hundred Fourty Eight Only)	
3	2-64-09 Providing & fixing flush type, 6/10 Amps 3-Pin socket and double switches combine unit (Universal) fixed on Plastic or Fiber top covered sheet on (14 SWG) metal board with earth terminal recessed in wall and column including, connection as required.	Each.	411	872.00	358,392.00	
					(Rupees Eight Hundred Seventy Two Only)	
4	2-66-06 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.(Schneider/ Philips)	Each	9	1,290.00	11,610.00	
					(Rupees One Thousand Two Hundred Ninety Only)	
5	2-66-10 Providing & fixing Polycarbonate flame retardant Telephone socket 4 contact single 2 line with fancy gang plate fixed on die fabricated, powder coated metal board recessed in wall or column including connection as required. (Schneider/ Philips)	Each	7	1,076.00	7,532.00	
					(Rupees One Thousand Seventy Six Only)	
6	2-66-12 Providing & fixing Polycarbonate flame retardant, T.\ Socket with plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required. (Schneider/ Philips)	Each	6	1,136.00	6,816.00	
					(Rupees One Thousand One Hundred Thirty Six Only)	
7	2-66-11 Providing & fixing Polycarbonate flame retardant, fan dimmer with plate fixed on die fabricated, powder coated, metal board recessed in the wall or column including connection as required. (Schneider/ Philips)	Each	115	1,197.00	137,655.00	
					(Rupees One Thousand One Hundred Ninety Seven Only)	


ELECTRICAL WORK

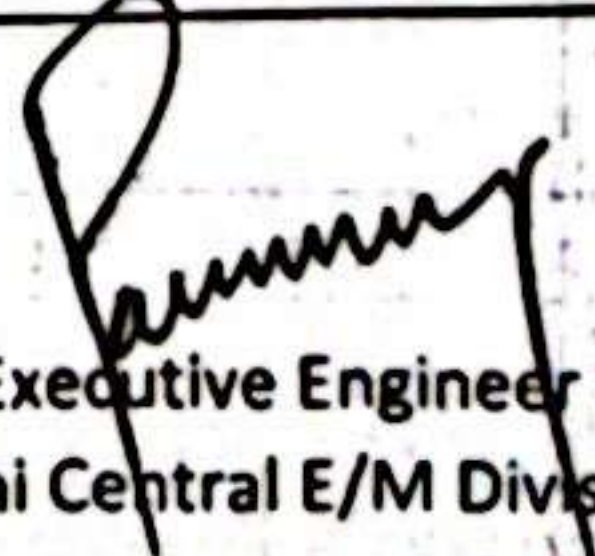
S.No	Description	Units	Quantity	Rate	Amount	
8	2-80-02 Providing & installing 120 Cm (48") sweep ceiling fan with blades, canopy, standard length of down rod including connection with 14.0076" flexible wire complete as required. (without regulator) Pak. Royal, GFC,Younas,Millat.	Each	8	8,369.00	66,952.00	
(Rupees Eight Thousand Three Hundred Sixty Nine Only)						
9	2-84-01 Providing & installing 20 Cm (8") sweep, Plastic body Exhaust fan complete with blades, motor, etc fixed in existing hole including connection with 14/ 0076" flexible wire complete as required Pak, Royal, GFC,Younas,Millat.		53	3,015.00	159,795.00	
(Rupees Three Thousand Fifteen Only)						
10	2-77-09 Providing, Installation, Testing & Commissioning of LED Batten Lights including driver, having warm / Neutral White / cool white colour,90 -100 lm/watts efficiency, 0.9 or above power factor, 20000-25000 hours life cycle, including connection, complete in all respect as approved by the Engineer Incharge.					
a)	b)	7 - 9 Watts	Each	28	2,165.00	60,620.00
(Rupee Two Thousand One Hundred Sixty Five Only)						
TOTAL OF SUB HEAD II					1,080,956.00	
NETWORKING (SUB-HEAD III)						
1	8-05-01 Wiring of CCTV Camera with UTP Cat-6 in existing PVC conduit/duct i/c connectors complete in all respect as approved by the Engineer Incharge.	P/Mtr	1595	243.00	387,585.00	
(Rupees Two Hundred Fourty Three Only)						
2	08-05-03 Providing, punching, testing and commissioning of RJ-45 connector, complete in all respect as approved by the engineer incharge.	Each.	15	265.00	3,975.00	
(Rupees Two Hundred Sixty Five Only)						
3	N.S.I Wiring of CCTV Camera with RG-6 in existing PVC conduit/duct i/c BNC connectors complete in all respect suitable for the required length as approved by the Engineer Incharge (Superior quality).	P/Mtr	23	217.00	4,991.00	
(Rupees Two Hundred Seventeen Only)						
4	2-61-01 Supply & fixing 20mm (3/4") dia uPVC conduit with all especial such as bends, sockets, Junction etc fitted on surface as required.	P/Mtr	1593	148.00	235,764.00	
(Rupees One Hundred Fourty Eight Only)						
TOTAL OF SUB HEAD III					632,315.00	
TOTAL OF SHEDULE ITEM :					9,562,100.00	
MARKET RATE ITEM (SUB-HEAD IV)						
1	M/R Supply, installation of 1No RJ-45, CAT-6 I/O including face plates complete with all respects.(Networking) Make: Vivanco, Orange & 3M or equivalent as per approved by engineer incharge	Nos.	15	958.10	14,371.50	
(Rupees Nine Hundred Fifty Eight Paise Ten Only)						
2	N.S.I Supply, Installation & termination of 16 port LAN Switch complete with all accessories. Make: Vivanco, & 3M or equivalent as per approved by engineer incharge.	Nos.	3	30,153.00	90,459.00	
(Rupees Thirty Thousand One Hundred Fifty Three Only)						

Name OF Work;-UPGRADATION OF ASF ACADEM AT KARACHI.(SH-M. JAINEE HOSTEL)-3 (S-
H)INTERNAL ELECTRIFICATION WORK) Block-3

ELECTRICAL WORK

S.No	Description	Units	Quantity	Rate	Amount
3	N.S.I Supply, Installation & termination of Wifi Router 300 mbps complete with all accessories. Make: Vivanco, & 3M or equivalent as per approved by engineer incharge.	Nos.	12	4,400.00	52,800.00
(Rupees Four Thousand Four Hundred Only)					
4	N.S.I Supply & Installation of Cat-5E UTP Cable pulling & fluke testing of Data or Voice cables in PVC Pipe, including labeling at both ends as per drawings. Make: Vivanco, Orange & 3M or equivalent as per approved by engineer incharge	Nos.	62	105.23	6,524.26
(Rupees One Hundred Five Paise Twenty Three Only)					
5	N.S.I Supply, installation and connecting of telephone Junction box 1.5 mm MS sheet steal fabricated, 120 micron powder coated, surface mounted or concealed in wall with locking arrangements and comprising with 2x16 pairs tag blocks. Make :Pony Taiwan & or equivalent as per approved by engineer incharge	Nos.	1	4,180.00	4,180.00
(Rupees Four Thousand One Hundred Eighty Only)					
TOTAL OF SUB HEAD IV					168,334.76


Assistant Executive Engineer -II
Karachi Central E/M Division-II
AK,PWD.Karachi.


Executive Engineer -II
Karachi Central E/M Division-II
PAK,PWD.Karachi.

63 67

Name of Work:-Construction of 04 Room School Building at Village Wahid Bux Marri Taluka Golarchi District Badin (S.H: Electrification)

Abstract Of Cost							
S.No	Sub Head No	Name Of Work	Rate Based on S/R	N.I.T Amount	Percentage Quoted Above / Below	Premium	Quoted Amount
			A	(A+B)		(C)	(A+B+C)
1	SH:1 Electrification S/R items no 1-24	wiring points , Fiting Fixtures & Wiring	643666.00	643666.00			
2	SH:11 (pumping set) S/R item no 1-7	Pumping set	94848	94848			
Total Amount			738514.00	738514			
Total Rs=							
Say Rs =							


 Executive Engineer
 Karachi Central E/M Div-II
 Pak P.W.D Karachi.

Work:-Construction of 04 Room School Building at Village Wahid Bux Marri Taluka Golarchi District
Badin (S.H: Electrification)

#	ITEM OF WORK	QTY	RATE	UNIT	AMOUNT
SH:1 Electrification :					
1	Wiring for light or fan point with (3/.029) PVC insulated wire in uPVC CABLE DUCT fitted on surface including 1 mm2 single core PVC insulated wire as ECC as required.	34	Pts	2908	Pts 98872
2	Wiring for Plug point with (3/.029) PVC insulated wire in uPVC CABLE DUCT fitted on surface including 1 mm2 single core PVC insulated wire as ECC as required.	10	Pts	1740	Pts 17400
3	Providing & fixing 10 Amps Polycarbonate flame retardant S .P switch with fancy "Ivory" gang plate fixed on die fabricated , powder coated, metal board recessed in the wall or column including connection as required . (MATRIX / SOK / TJ SERIES /TRUST make).	34	Nos.	294	Each 9996
4	Providing & fixing flush type , 6/10 Amps 3-Pin socket and double switches combine unit (Universal) fixed on Plastic or Fiber top covered sheet on (14 SWG) metal board with earth terminal recessed in wall and column including , connection as required.(Ppi/Km/Hero make)	10	Nos.	872	Each 8720
5	Providing and fixing flush type ,15 Amps 3-Pin switch and socket combine unit (power plug) fixed plastic or fiber top covered sheet on (14 SWG) metal board with earth terminal recessed in the wall and column including connection as required.(Ppi/Km/Hero make).	2	Nos.	898	Each 1796
6	Providing and fixing 6 Amps Plastic Ceiling Rose on PVC round block/ Round Cover fitted on surface including connection as required.	16	Nos.	245	Each 3920
7	Providing & installing 30 Cm (12") sweep, Metallic body Exhaust fan complete with blades , motor, etc fixed in existing hole including connection with 14/.0076" flexible wire complete as required Pak , Royal, GFC, Younas, Millat.	3	Nos.	4400	Each 13200
8	Making hole in the wall for 12" to 16" sweep metallic exhaust fan and fixing of holefast , duly pilaster and making good the damage as required.	3	Nos.	1164	Each 3492
9	Providing & installing 140 Cm (56") sweep ceiling fan with blades, canopy, standard length of down rod including connection with 14.0076" flexible wire complete as required. (without regulator) Pak, Royal, GFC, Younas, Millat.	10	Nos.	9349	Each 93490
10	Providing and fixing flush type, 6 amps piano Fan Dimmer fixed on plastic or fiber top covered sheet on (14SWG) metal board with earth terminal recessed in wall and column including connection as required.(Ppi/Km/Hero make).	10	Nos.	449	Each 4490
11	Providing & fixing 3"x4"x5" size 1/8" thick recessed type fan clamp box with 5/8" dia MS bar fan clamp fixed in roof at casting time as required.	10	Nos	1527.00	Each 15270
12	Providing & installing 40 Cm (16") 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/GFC/ Younas/ Royal.	1	Nos.	5310	Each 5310
13	Providing, Installation, Testing & Commissioning of LED Tube / Batten Lights including driver having warm / Neutral White / cool white colour,80-90 lm/watts efficiency, 0.9 or above power factor, 10000-15000 hours life cycle, including connection, complete in all respect as approved by the Engineer Incharge(4 feet 36 watts)(Sunlight, Pierlite , Future technology / Orient).	20	Nos	3854	Each 77080

Enclos (ad)

Installation, Testing & Commissioning of Flood Lights including driver, having neutral white / cool white colour, 110 lm/watts efficiency, 0.9 or above power factor, 20000-25000 hours life cycle, including connection, complete in all respect as approved by the Engineer Incharge(b. 50-70- watts)(Sunlight, Pierlite , Future technology / Orient).

15 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.

2 Nos 15568 Each 31136

1 Set 65762 Job 65762

Main Board:

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.

4 sft 6006 P/Sft 24024

17 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.(2-74-02).

1 No 10529 Each 10529

18 P/F pilot lamp set fitted on existing board i/c connection as required.

1 set 872 Each 872

19 Providing & fixing 75 to 100 Amps,(Low Breaking Capacity) T.P MCCB fixed on existing board , i/c inter-connection as required.

1 Nos 5977 Each 5977

20 Providing & fixing 6 to 32 Amps, S.P MCCB fixed on existing board , i/c inter-connection as required.

6 Nos 870 Each 5220

21 Wiring for sub-main with 2x 1.5 mm², PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 16x16 mm (3/4")dia uPVC duct fitted in surface including 1mm² PVC insulated wire single core wire as ECC as required.

200 Rft 101 P/Rft 20200

22 Wiring for sub-main with 2x 2.5 mm², PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 16x16 mm (3/4")dia uPVC duct fitted in surface including 1mm² PVC insulated wire single core wire as ECC as required.

140 Rft 139 P/Rft 19460

23 Wiring for sub-main with 2x 6 mm², PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 16x16 mm (3/4")dia uPVC duct fitted in surface including 1mm² PVC insulated wire single core wire as ECC as required.

200 Rft 231 P/Rft 46200

24 Wiring for sub-main with 2x 10 mm², PVC insulated wire 300/500 volts grade, single core, stranded copper conductor wire in 16x16 mm (3/4")dia uPVC duct fitted in surface including 1mm² PVC insulated wire single core wire as ECC as required.

175 Rft 350 P/Rft 61250
S.H I S.R 643666

SH:II (Pumping Set):

1 Providing & fixing mono block pumping set complete with 2HP pumps 2850/2900 RPM complete with AC 220V single phase motor on a common base plate having suction & discharge 1-1/2 " x 1-1/2" as approved .)(Meco, Aabshar, Golden, 3 Star)

1 Nos 42020 Each 42020

2 Providing & fixing G.I pipe 1-1/2" dia medium gauge with special such as flanges , bend, Tee, union and socket etc for suction and delivery line etc i /c painting Two coats with white zinc paint to match the colour of Other components with pigment to match the colour of Other components as required.

60 Rft 628 P/Rft 37680

3 Providing & fixing brass gate valve 1-1/2" dia spindle type.

1 Nos. 1691 Each 1691

please
for this office
or necessary

- g & fixing 1-1/2" dia brass foot valve complete with kit make.
- roviding and laying in situ 1:2:4 cement concrete using screen & plinth i /c form work , rodding, graded bajri in foundation & compacting, curing etc.
- 6 1/2" thick cement plaster 1:1 on foundation & other places i /c making edges etc as desired & curing complete in all respect as required.
- 7 Providing & fixing foundation bolt and nuts 5/8 x12" Size with suitable steel base plate for pumping set or For other similar purpose as required.

1	Nos.	3537	Each	3537
12	cft	299	P/cft	3588
12	cft	404	P/cft	4848
4	Nos	371	Each	1484
Total SH-II S/R				94848



**Assistant Executive Engineer
Karachi Central E/M, Division-II
Pak P.W.D Karachi.**



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