





- c. "This company has developed, for the purposes of this tender, a compliance program- copy attached – which includes all reasonable steps necessary to assure that the no-bribery commitment given in this statement will be complied with by its Managers and employees, as well as by all third parties working with this company on this project including agents, contractor IV Consultants, consortium partners, subcontractors and suppliers".
- d. This commitments is in the name and on behalf of this company's Managing Director mentioned above.

Signed by the Managing Director of the Firm M/s. Silicon Communication & Security on Friday this fifth day of the October Two Thousand and Twelve.

SILICON COMMUNICATION  
& SECURITY



FAISAL SATTAR  
MANAGING DIRECTOR

Karachi, Wednesday October 10, 2012

Witness:

1.

2.

  
  
Mansoor Elgg Services..





**TRANSPORT & COMMUNICATION DEPARTMENT**  
**KARACHI METROPOLITAN CORPORATION**  
 8<sup>th</sup> FLOOR, CIVIC CENTRE, GULSHAN-E-IQBAL, MAIN UNIVERSITY ROAD, KARACHI  
 ☎ 923 0655

No: C.E/TC&O/T&C/12/206

Dated: 13/09/2012

**Bid Evaluation Report**

1. Name of Procuring Agency: KARACHI METROPOLITAN CORPORATION
2. Tender Reference No: C.E/TC&O/T&C/2012/206
3. Tender Description/Name of work: Improvement/installation & up gradation of existing signals including Routine check up of system and making in functional Condition
4. Method of Procurement: Single Stage - Two Envelope procedures
5. Tender Published: Print & electronic media as SPPRA ID # 8979 & news paper Dawn 7 July 2012/ Express 6 July 2012
6. Total Bids Documents Sold: 02 Nos
7. Total Bids Received: 02 Nos
8. Technical Bids Opening date (If applicable): 26 July 2012
9. No. of Bid technically qualified (If applicable): 01
10. Bid(s) Rejected: 01
11. Financial Bid Opening Date: the Financial bid opened on 06-09-2012 for qualified contractor On the basis Of evaluation criteria and download on sppra web Site.
12. Technical Evaluation: One firm disqualified on the basis of evaluation criteria by Procurement Committee
13. Bid Evaluation Report:

SPPRA INWARD DIARY 2072  
 MLCB  
 Sindh Public Procurement  
 Regulator / Authority Govt of Sindh  
 13-9

S.NO	Name of Firm or Bidder	Cost Offered by the bidder (As calculated)	Ranking in terms of cost	Comparison with estimated cost	Reason for acceptance / Rejection	Remarks
0	1	2	3	4	5	6
	Silicon Communication & Security JV JJ Contractor JV Int electric	32387950/=	Lowest	1.8571 % Below The Estimated Cost	Qualified as per Eligibility Criteria	The Firm is Responsive and Evaluated Lowest Bidder and Below The Estimated Cost Recommended for Award of Work

Since the work is the prime function of TCD KMC to regulate Traffic through intersection of Karachi city in coordination with traffic police , The bid received is less than the Engineering Estimate 1.8571 % therefore it is recommend for award of contract for Rs. 32387950/=

Chief Engineer (TC&O)  
 TCD, KMC

Chief Engineer Design  
 Engineering Department, KMC

Representative of Senior Director  
 F & A, KMC

Superintending Engineer  
 (Contract Management)  
 Engineering Deptt, KMC

Senior Director (Chairman)  
 Transport & Communication Deptt.  
 KMC

copy to  
 Director SPPRA



Improvement / installation & upgradation of existing signals including routine checkup of system and making in functional condition .  
**TECHNICAL EVALUATION OF BIDS**

CASE 2:As per documents submitted with request for issuance of tender documents  
 ( Based on corrected distribution marks i.e- 100 )

S.NO	CRITERIA	DISTRIBUTION	MAXIMUM	MARKS OBTAINED BY BIDDER		
				SILICON JV JJCONTRACTO	GATEWAY M SAMAD	
1	Qualification / Experience of firm  A. Experience in maintenance/installation of traffic signal( Scoot System), (Attach documentary evidence)  1. Upto 1 years experience 2. Upto 2 years experience 3. Upto 4 years experience  B. List of related Project Complete  1. Signal related Project completed in 1 year 2. Signal related project completed in 2 year 3. Signal related project completed in 4 year		20	20	10	
			5			
			10			
			20			
				15	15	10
				5		
				10		
				15		
				15		
				25	25	25
2	Licence  1. PEC licence in relevant category (Attached documentary evidence)  2. Electrical licence		15			
			10			
3	Support For Improvement/Installation/Up-Gradation  1. Sufficient inventory / procurement arrangement of Genuine spare parts of traffic signal equipment (Attached documentary evidence).  2. Principle letter for support of equipment of traffic signal equipments		25	20	5	
			10			0
		5		5	5	

	3. Laboratory duly equipped with necessary tools and software required for reconfiguration of controller.	5		5		5	
	4. Experience in installation of Demand Response System in existing signals	5		0		0	
4	Engineer depute in maintenance of traffic signal		15		10		0
	1. Electrical engineer ( Attached CV & Valid PEC Registration certificate of Engineer)	10		5		0	
	2. Electronic engineer ( Attached CV & Valid PEC Registration certificate of Engineer)	5		5		0	
	<b>TOTAL</b>	<b>100</b>		<b>90</b>		<b>50</b>	



Shafi Muhammad Shafiq  
ADD DO TCD  
INCHARGE PROCUREMENT  
SUB COMMITTEE



Rafiullah Khan  
DDO TCD  
MEMBER SUB COMMITTEE



Mahmoodul Hassan  
DDO TCD  
MEMBER SUB COMMITTEE



S.M. Azeem  
DDO TCD  
MEMBER SUB COMMITTEE



S.M. Shakir  
DDO TCD  
MEMBER SUB COMMITTEE



# TRANSPORT & COMMUNICATION DEPARTMENT KARACHI METROPOLITAN CORPORATION

8<sup>th</sup> FLOOR, CIVIC CENTRE, GULSHAN-E-IQBAL, MAIN UNIVERSITY ROAD, KARACHI

☎ 02199231786

Fax : 02199231787

No:

Dated: \_\_\_\_ .08.2011

## BID EVALUATION REPORT

1. Name of Procuring Agency: KARACHI METROPOLITAN CORPORATION ✓
2. Tender Reference No: C.E/TC&O/T&C/2012/206 ✓
3. Tender Description/Name of work: Improvement/installation & up gradation of existing signals Including Routine check up of system and making in Functional Condition ✓
4. Method of Procurement: Single Stage - Two Envelope procedures ✓
5. Tender Published: Print & electronic media as PPRA ID # 8979 & news paper Dawn 7 July 2012/ Express 6 July 2012 ✓
6. Total Bids Documents Sold: 02 Nos
7. Total Bids Received: 02 Nos
8. Technical Bids Opening date (If applicable): 26 July 2012
9. No. of Bid technically qualified (If applicable): 01
10. Bid(s) Rejected:
11. Financial Bid Opening Date:
12. Bid Evaluation Report:
13. Qualifying marks : 80

SPPKA INWARD DIARY

No. \_\_\_\_\_  
Date: \_\_\_\_\_  
Sindh Public Procurement  
Regulatory Authority Govt. of Sindh

Sr. No.	Name of Firm or Bidder	Max Marks	Marks Obtained	REMARKS
0	1	2	3	4
1	Silicon Communication & Security JV JJ Contractor JV Int. Electric	100	90	Qualified.
2	Gatway contractor JV M Samad	100	50	Dis-Qualified.

DIVISIONAL ACCOUNTS OFFICER  
(TC&O), T&C DEPARTMENT, KMC

DIRECTOR (INTERNAL AUDIT)  
I&A DEPARTMENT, KMC

CHIEF ENGINEER (ENGG. DESIGN)  
ENGG. DEPARTMENT, KMC

REPRESENTATIVE OF  
SENIOR DIRECTOR (F&A), KMC

CHIEF ENGINEER (TC&O)  
T&C DEPARTMENT, KMC

SUPERINTENDING ENGINEER  
(CONTRACT MANAGEMENT)  
ENGG. DEPARTMENT, KMC

SENIOR DIRECTOR  
T&C DEPARTMENT, KMC



# SINDH PUBLIC PROCUREMENT REGULARITY AUTHORITY

## CONTRACT EVALUTION FORM

TO BE FILLED IN ALL BY ALL PROCURING AGENCIES FOR PUBLIC CONTRACTS OF TRANSPOT & COMMUNICATION DEPARTMENT, KMC.

- 1) NAME OF THE ORGANIZATION / DEPTT. : Karachi Metropolitan Corporation
- 2) PROVINCIAL / LOCAL GOVT. OTHER. : Local Government ( KMC)
- 3) TITLE OF CONTRACT : Improvement / installation & up gradation  
: of existing signals including Routine check up  
: of system and make in functional condition
- 4) TENDER NUMBER : C E/TC&O/T&C/KMC/2012/206 7.7.2012
- 5) BRIEF DESCRIPTION OF CONTRACT : INSTALLATION/MAINTENANCE & UP-  
: GRADATION OF TRAFFIC SIGNAL
- 6) FORUM THAT APPROVED THE SCHEME : KMC : Administrator Karachi
- 7) TENDER ESTIMATE VALUE : Rs. 33000782/-
- 8) ENGINEER'S ESTIMATE : \_\_\_\_\_
- 9) ESTIMATED COMPLETION PERIOD ( as per contract) : 12 Month
- 10) TENDER OPEN ON ( DATE & TIME) : 06-09-2012 12:00 PM
- 11) NUMBER OF TENDER DOCUMENTS SOLD : Two ( 02)  
(Attached civil works only)
- 12) NUMBER OF BIDS RECEIVED : Two (02)
- 13) NUMBER OF BIDERS PRESENT AT THE TIME OF OPENING OF BIDS : one (01)
- 14) Bid Evaluation report : Attached  
( Enclose a copy)
- 15) Name and address of the successful bidder : M/s Silicon Communication & Security
- 16) Contract Award Price : 3,2387,950/-
- 17) Ranking of Successful Bidder in evaluation report : 1<sup>st</sup> lowest M/S Silicon  
(i.e 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> Evaluation Bid).
- 18) Method of Procurement used - ( Tick one)
- a) SINGLE STAGE- ONE ENVELOPE PROCEDURE \_\_\_\_\_
- b) SINGLE STAGE- TWO ENVELOPE PROCEDURE \_\_\_\_\_
- c) TWO STAGE- BINDING PROCEDURE \_\_\_\_\_
- d) TWO STAGE- TWO ENVELOPE BINDING PROCEDURE \_\_\_\_\_

PLEASE SPECIFY IF-ANY OTHER METHOD OF PROCUREMENT WAS ADOPTED I.E EMERGENCY, DIRECT CONTRACTING ETC, WITH BRIEF REASONS:

19. APPROVING AUTHORITY FOR AWARD OF CONTRACT

: Administrator Karachi

20. WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?

YES			
-----	--	--	--

21. ADVERTISEMENT :

i) SPPRA Website

Yes	ID #8979
-----	----------

(if yes, Give date and SPRA Identification No.)

ii) News Papers

YES	DAILY DAWN 7-7-2012 DAILY EXPRESS 6-7-2012
-----	---

(if yes, Give names of news papers and dates)

22. Nature of Contract

LOCAL			
-------	--	--	--

23. WHETHER QUALIFICATION CRITERIA

WAS INCLUDED IN BIDDING /TENDER DOCUMENTS?

YES			
-----	--	--	--

(If yes, enclose a copy)

24 WHETHER BID EVALUATION CRITERIA

WAS INCLUDED IN BIDDING / TENDER DOCUMENTS?

Yes			
-----	--	--	--

(If yes, enclose a copy)

25. WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A  
METHOD OTHER THAN OPEN COMPETITIVE BIDDING?

Open Competition
------------------

26. WAS BID SECURITY OBTAINED FROM ALL THE BIDDERS?

YES	
-----	--

27. WHETHER THE SUCCESSFUL BID WAS LOWEST EVALUATED  
BID/ BEST EVALUATED BID ( IN CASE OF CONSULTANCIES)

Yes	1 <sup>st</sup> Evaluated Bid
-----	-------------------------------

28. WHETHER THE SUCCESSFUL BIDDER WAS TECHNICALLY  
COMPLIANT?

NO			
----	--	--	--

29. WHETHER NAMES OF THE BIDDERS AND THEIR QUOTED PRICES WERE READ OUT  
AT THE TIME OF OPENING OF BIDS?

YES			
-----	--	--	--

30. WHETHER EVALUATION REPORT GIVEN TO BIDDERS BEFORE THE AWARD OF  
CONTRACT?

YES			
-----	--	--	--

(Attached copy of the bid evaluation report )

31. ANY COMPLAINTS RECEIVED

NO	
----	--

(If any, result thereof)



32. ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDER NOTICE / DOCUMENTS

(If give, give reasons)

NO	

33. WAS THE EXTENSION MADE IN RESPONSE TIME?

(If any, give reasons)

NO	

34. DEVIATION FROM QUALIFICATION CRITERIA

(If yes, give detailed reasons)

NO	

35. WAS IT ASSURED BY THE PROCURING AGENCIES THAT

THE SELECTED FIRM IS NOT BLACK LISTED?

YES	

36. WAS A VISIT MADE BY ANY OFFICER/OFFICIAL OF THE PROCURING AGENCIES TO THE SUPPLIER'S PREMISES IN CONNECTION WITH THE PROCUREMENT? IF SO, DETAILS TO BE ASCERTAINED REGARDING FINANCING OF VISIT, IF ABROAD:

(If yes, enclose a copy)

NOT APPLICABLE
----------------

37. WERE PROPER SAFEGUARDS PROVIDED ON MOBILIZATION ADVANCE PAYMENT IN THE CONTRACT ( BANK GUARANTEE ETC)?

NO ADVANCE
------------

38. SPECIAL CONDITIONS, IF ANY COPY ATTACHED

(if yes, give brief description)

NO	

39. Date of Award of Contract

: 05-10-2012

Signature & Official Stamp of

Authorized Officer

  
 Executive Engineer (TC&O)  
 Transport & Communication Department  
 Karachi Metropolitan Corporation

FOR OFFICE USE ONLY:

--





**OFFICE OF THE CHIEF ENGINEER(TC&O)  
TRANSPORT & COMMUNICATION DEPARTMENT  
KARACHI METROPOLITAN CORPORATION**

8<sup>th</sup> Floor, Civic Centre, Gulshan-e-Iqbal, University Road, Karachi-99230658

No.C.E/TC&O/T&C/KMC/2012/327

Dated: 18-10-2012

M/s. Silicon Communication & Security,  
(J/V) J.J. Constructor  
Suit No.2, 2<sup>nd</sup> Floor, Namdar Square,  
S.B-12, Askari Park, Old Subzi Mandi,  
Karachi.

**WORK ORDER**

**SUBJECT: IMPROVEMENT/INSTALLATION AND UP-GRADATION OF  
EXISTING SIGNALS INCLUDING ROUTINE CHECKING OF  
SYSTEM AND MAKE IN FUNCTIONAL CONDITION.**

In continuation to this office acceptance letter No. C.E /TC&O /T&C/ KMC/ 2012/316 dated, 05.10.2012, the above mentioned work amounting to Rs.32,387,950/- (thirty two million three hundred eighty seven thousand nine hundred and fifty only) is hereby awarded to you as per detail below.

1. Chargeable Maintenance	Rs. 1,33,92,000.00
2. Routine Maintenance	Rs. 1,89,95,950.00
	Rs. 3,23,87,950.00

  
Chief Engineer  
Traffic Control & Operation  
T&C, KMC

Copy to:

1. The Senior Director (TCD) Department, KMC.
2. The Additional D.O (Traffic Signals), TC&O, T&C Department, KMC.



10,57165/2000 125 3/10/12



KARACHI METROPOLITAN CORPORATION

**AGREEMENT**

Project: Improvement/Installation and up gradation of existing system including routine checking of systems made in functional condition

Cost: Rs 32387950/-

Completion time: Twelve months

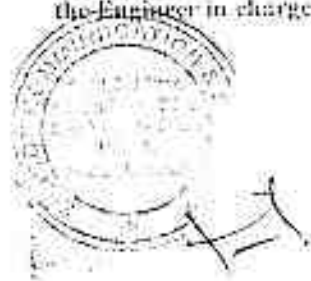
An Agreement made this 9<sup>th</sup> day of October 2012 between the Karachi Metropolitan Corporation Karachi through its Senior Director (TD) hereinafter called the "KMC", (which expression shall mean and include his successors) of the one part and Mr. S.I. Contractor having their office at Plot No. 15, J.I. Contractor

Karachi through their \_\_\_\_\_ hereinafter called the "Contractor" (which expression shall mean and include his successors, heirs, executors, administrator and assignees) of the other part.

Whereas the KMC has accepted the tender of the Contractor dated 26-7-2012 on percentage basis at \_\_\_\_\_ % above/below but par the schedule of rates (2011) plus offer rate on item rate basis on turn key basis for construction and completion of the work namely As above at a cost of Rs 32387950/- (Rupees Three Crores Twenty three Lacs Eighty Seven thousand Nine hundred fifty only) within a period of \_\_\_\_\_ according to the specification and general conditions of the contract signed by contractor having made himself fully acquainted with their meaning.

AND WHEREAS the Contractor has already deposited with the KMC a sum of Rs. 648000/- (Rupees Six Lacs forty eight thousand only) vide Pay Order/ Bank Cheque No. 513863 dated 26-7-12 from Bank Al-Habib Branch, Karachi on account of 2% Earnest Money for the said contract. The said P.O has been encashed and deposited into the Bank A/c of KMC vide Chq. No. \_\_\_\_\_ dated 08-10-2012.

AND WHEREAS the Contractor has also agreed to the deduction of the amount equal to 8% from his running payments to make the total security including the earnest money equal to 10% of the contract value for due performance of the contract. The claim for refund of Security can be lodged after six months of the satisfactory completion of the work and after issuance of completion certificate by the Engineer in charge.



  
**Chief Engineer (TC&O)**  
 Transport & Communication Deptt.  
 Karachi Metropolitan Corporation

PAKISTAN PAKISTAN PAKISTAN

Stamp: 08 OCT 2012

Stamp: 09 OCT 2012

Stamp: 09 OCT 2012

SPECIAL ADHESIVE



AND WHEREAS the Contractor has given a lien to the KMC over the security and performance bond for due fulfillment of the contract and does hereby bind himself, his heirs, successors legal representative and assignee to pay to the KMC, penalty through forfeiture of the said security and the performance bond in case of breach of any condition of the contract without prejudice to the right of KMC to recover the damages from the Contractor for any such breach as per condition of the contract.

AND WHEREAS the following documents shall be deemed to form and to be read and construed as part of this Agreement,

- i. Notice inviting tenders;
- ii. Tender documents marked 2/2 including terms and conditions, BOQ, specifications and drawings.
- iii. Work schedule.
- iv. Payment schedule.
- v. Security and Performance Bond.
- vi. All correspondence in respect of the contract and the work.

AND WHEREAS in consideration of the payments to be made by the KMC to the Contractor as hereinafter mentioned the contractor hereby covenants with the KMC to execute and complete the work and remedy the defects therein in all respect in conformity with the provision of the contract.

AND WHEREAS the KMC hereby covenants to pay to the Contractor in consideration of execution and completion of the work and remedy of defects therein, contract price or such other sum as may become payable under provision of the contract.

AND WHEREAS the Contractor binds himself to execute and complete the work according to specification and to pay the KMC compensation for delay as per relevant clause of the conditions of contracts in case he does not perform under this contract and fails to complete the work within the specified time.

AND WHEREAS the contractor has agreed to abide by the following conditions also:

- 1- The Contractor will engage a qualified Engineer of relevant field for proper supervision and execution of work. In case, the contractor fails to do so, the KMC will hire an Engineer on behalf of the Contractor and the emoluments of the Engineer will be deducted from the bills of the Contractor.
- 2- The Contractor will submit work methodology and activity plan before the start of work but not later than 7 days after issuance of Work Order.
- 3- The Contractor will ensure availability of machinery and equipments and would also ensure their proper use on the work. In case of default, the KMC will be at liberty to hire plant and machinery on its own and the charges will be recovered from the bills of the Contractor.



Chief Engineer (TC&O)  
Transport & Communication Dept.  
Karachi

09 OCT 2012 KARACHI





- 4- The work on road/bridges/lyovers will be carried out by the Contractor round the clock in order to reduce the time of completion for the public convenience. The electricity charges and other expenditure involved during execution of work will be paid by the Contractor.
- 5- In case of non-completion of the work within the stipulated time or if the contractor is found delaying the work deliberately he will be penalized by the Engineer Incharge strictly in accordance with the Penalty /Compensation clause of the Contract.

AND WHEREAS in case of any disagreement/dispute on technical matters and those relating to execution of project the decision of the KMC will be final conclusive and binding on the Contractor,

NOW THEREFORE THIS AGREEMENT WITNESSETH that the KMC and the Contractor shall respectively and well truly carryout and fulfill the contract and abide by all terms and conditions and specifications thereof.

IN WITNESS WHEREOF the said parties have set their respective hands this 19th Day of October 2012.

KARACHI METROPOLITAN CORPORATION

*[Signature]*  
 Chief Engineer (TC&D),  
 Transport & Communication Deptt.  
 Karachi Metropolitan Corporation

*[Signature]*  
 CONTRACTOR

WITNESSES:-

*[Signature]*  
 SENIOR DIRECTOR  
 Transport & Communication Deptt.  
 K.M.C



1- *[Signature]*  
 M/S MALIK & CO  
 OFFICE NO 8 RAFL MANSSION  
 SHAH FAISAL KARACHI

2- *[Signature]*  
 M/S A-S-Engineering  
 A-300 Block 16 F.B Area Karachi





**SILICON**  
 Communications & Security  
 A.M. 4, Suite No. 22, 23-24,  
 Shehr-e-Iqbal, Karachi.

Chief Engineer (T&C)  
 Transport & Communication Dept.  
 Karachi Metropolitan Corporation

**NAME OF WORK: IMPROVEMENT/INSTALLATION & UP-GRADATION OF EXISTING SIGNALS IN KARACHI INCLUDING ROUTINE CHECKUP OF SYSTEM AND MAKE IN ORDER IN FUNCTIONAL CONDITION**

S.NO	ITEM	QTY OR	RATES	UNIT	AMOUNT
1	Routine maintenance of traffic light signal equipment of UTC and NON-UTC system as per terms & conditions and scope of maintenance attached and as instructions and direction of the Engineer Incharge.	120 JUNCT FOR 12 MONTHS	11,330/-	MONTH/JU NCT	1,333,920,000/-
	SUB TOTAL				
2	CHARGEABLE MAINTENANCE OF UTC AND NON UTC SYSTEM				
2-A	SUPPLY AND REPLACEMENT OF PARTS.				
2-B	INSTALLATION / DISMANTLING CHARGES OF PARTS.				
2-A	SUPPLY AND REPLACEMENT OF PARTS.				
	PARTS OF T-400 CONTROLLER				
1	CONTROLLER BASE	5	6000/-	NO	30,000/-
2	MAIN PROCESSOR CARD	2	85,000/-	NO	1,70,000/-
3	4-PHASE DRIVER CARD	30	90,000/-	NO	2,70,000,000/-
4	POWER SUPPLY UNIT	50	63,000/-	NO	3,15,00,000/-
5	H.R.C. FUSE	1	200/-	NO	200/-
6	CAPACITOR	1	1,000/-	NO	1,000/-
7	CLOCK MODULE	20	3,500/-	NO	70,000/-
	PARTS OF ST-400 CONTROLLER				
8	POWER SUPPLY UNIT	5	20,000/-	NO	1,00,000/-
9	C P U	2	75,000/-	NO	1,50,000/-

No cutting/overwriting by  24/09/2012     (2)



NAME OF WORK: IMPROVEMENT/INSTALLATION & UP-GRADATION OF EXISTING SIGNALS IN KARACHI  
INCLUDING ROUTINE CHECKUP OF SYSTEM AND MAKE IN ORDER IN FUNCTIONAL CONDITION

S.NO	ITEM	QTY OR	RATES	UNIT	AMOUNT
10	8-PHASE DRIVER CARD	5	52,500/=	NO	2,62,500/=
11	ST-800 OR EQUIVALENT CONTROLLER 16 PHASE	1	52,350,000/=	NO	52,350,000/=
12	ST-800 OR EQUIVALENT CONTROLLER 8-PHASE	1	52,200,000/=	NO	52,200,000/=
PARTS OF SIMATIC OR EQUIVALENT CONTROLLER					
13	SIMATIC OR EQUIVALENT CONTROLLER	2	40,000/=	NO	80,000/=
14	CENTRAL PROCESSING CARD	10	25,000/=	NO	2,50,000/=
15	POWER SUPPLY	20	22,000/=	NO	4,40,000/=
16	RELAY OUT PUT CARD	15	10,500/=	NO	1,57,500/=
17	ELECTRIC FLASHER	10	500/=	NO	5,000/=
18	CONTROLLER CASING	5	18,000/=	NO	90,000/=
19	BACKUP BATTERY	5	20,000/=	NO	1,00,000/=
SIGNAL HEADS POLY CARBONIZED/ SIEMENS GERMAN /TURKISH OR SAWARCO MAKE.					
20	3-WAY ASPECT 200 MM	25	24,500/=	NO	6,12,500/=
21	3-WAY ASPECT 300 MM	15	32,000/=	NO	4,80,000/=
22	2-WAY ASPECT 200 MM	10	18,000/=	NO	1,80,000/=
23	1-WAY ASPECT 300 MM	10	11,000/=	NO	1,10,000/=
24	1-WAY ASPECT 200 MM	50	9,000/=	NO	4,50,000/=
25	PEDESTRIAN PUSH BUTTON	1	1,000/=	NO	1,000/=
PARTS OF 200 MM SIGNAL HEADS					
26	GLASS	50	1,100/=	NO	55,000/=
27	HOOD	250	1,100/=	NO	2,75,000/=

SILICON  
Communication & Security  
AM 6, Suite No. 22, 23-24,  
Shahrah-e-Iqbal, Karachi

Chief Engineer (TCSO)  
Transport & Communication Dept.  
Karachi Metropolitan Corporation

No Celling on lighting  
ETP 2015

For  
Sd/-



NAME OF WORK: IMPROVEMENT/INSTALLATION & UP-GRADATION OF EXISTING SIGNALS IN KARACHI  
 INCLUDING ROUTINE CHECKUP OF SYSTEM AND MAKE IN ORDER IN FUNCTIONAL CONDITION

S.NO	ITEM	QTY OR	RATES	UNIT	AMOUNT
28	RUBBER GASKIT	25	200/=	NO	5,000/=
29	REFLECTOR	10	200/=	NO	2,000/=
30	MOUNTING BRACKET	15	400/=	NO	6,000/=
31	ARROW BRACKET	10	200/=	NO	2,000/=
32	ARROW MASK	5	100/=	NO	500/=
33	LED BALLS 200 MM	150	3,250/=	NO	4,87,500/=
PARTS OF 300 MM SIGNAL HEADS					
34	GLASS	4	1,200/=	NO	4,800/=
35	HOOD	5	1,350/=	NO	6,750/=
36	RUBBER GASKIT	5	200/=	NO	1,000/=
37	REFLECTOR	5	400/=	NO	2,000/=
38	ARROW BRACKET	5	200/=	NO	1,000/=
39	HANGING BRACKET	10	4,500/=	NO	45,000/=
40	ARROW MASK	5	250/=	NO	1,250/=
41	LED BALLS 300 MM	50	4,200/=	NO	2,10,000/=
42	STANDARD POLE AS PER EXISTING SAMPLE	1	10,000/=	NO	10,000/=
43	CONSTRUCTION OF FOUNDATION FOR STANDARD POLE (COMPLETE) AS PER SPECS.	25	4,500/=	NO	1,12,500/=
44	MAST ARM POLE AS PER EXISTING SAMPLE (COMPLETE) AS PER SPECS.	1	52,000/=	NO	52,000/=
45	CONSTRUCTION OF FOUNDATION FOR MAST ARM POLE (COMPLETE) AS PER SPECS.	20	10,500/=	NO	2,10,000/=
46	SUPPLY & LAYING OF 2 NOS GI PIPE (H.D.) 4" DIA IN DUCT UNDER THE ROAD CARRIAGE WAY/ FOOTWAY I/C COST				

Communications  
 A.M. 4, Suleh No. 10  
 Shahrah-e-Iqbal, Karachi

Chief Engineer (ICSD)  
 Transport & Communication Dept.  
 Karachi Metropolitan Corporation

M/s Cutting, Overhaul & Repairs  
 219/201  
 Mr. Farhat  
 Mr. Farhat



NAME OF WORK: IMPROVEMENT/INSTALLATION & UP-GRADATION OF EXISTING SIGNALS IN KARACHI  
INCLUDING ROUTINE CHECKUP OF SYSTEM AND MAKE IN ORDER IN FUNCTIONAL CONDITION

S.NO	ITEM	QTY OR	RATES	UNIT	AMOUNT
	OF CONSTRUCTION OF DUCT AND MAKING GOOD THE ROAD COMPLETE AS PER DIRECTION OF THE ENGINEER INCHARGE	25	2,500/=	METER	62,500/=
47	SUPPLY & LAYING OF 1 NO GI PIPE (H.D) 4" DIA IN DUCT UNDER THE ROAD CARRIAGE WAY/ FOOTWAY I/C COST OF CONSTRUCTION OF DUCT AND MAKING GOOD THE ROAD COMPLETE AS PER DIRECTION OF THE ENGINEER INCHARGE	50	1,450/=	METER	72,500/=
48	SUPPLY & LAYING OF 1 NO GI PIPE (H.D) 2" DIA IN DUCT UNDER THE ROAD CARRIAGE WAY/ FOOTWAY I/C COST OF CONSTRUCTION OF DUCT AND MAKING GOOD THE ROAD COMPLETE AS PER DIRECTION OF THE ENGINEER INCHARGE	100	1,050/=	METER	1,05,000/=
49	CABLE 12 CORE ARMOURED PVC/PVC COPPER CONDUCTOR	4500	405/=	METER	18,22,500/=
50	KESC BOX (BREAKER 20-A, INDICATION LAMP, VOLT METER)	45	3,450/=	NO	1,55,250/=
51	POWER CABLE 3 CORE 6MM	2000	365/=	METER	73,000/=
52	AUTOCHANGEOVER SWITCH (COMPLETE)	1	8,000/=	NO	8,000/=
53	CIRCUIT BREAKER 30 A	50	450/=	NO	22,500/=
54	CONTACTOR	1	2,000/=	NO	2,000/=
55	TIMER	1	500/=	NO	500/=
56	RECONSTRUCTION OF OLD CHAMBER	25	2,800/=	NO	70,000/=
57	REPAIR OF OLD CHAMBER	25	2,450/=	NO	61,250/=
58	PROVIDING & FIXING OF CHAMBER COVER	50	2,100/=	NO	1,05,000/=
59	DUCT WITH (PVC) PIPE 2" DIA	250	615/=	METER	1,53,750/=

STUDIO  
COMMUNICATIONS  
A.M. & SULTAN ROAD  
S.NO. CH-9-THORNTON ROAD

Chief Engineer (R&S)  
Transport & Communication Deptt  
Karachi Metropolitan Corporation

No Cinking over this bill  
Date 19/2/2018  
[Signature]



NAME OF WORK: IMPROVEMENT/INSTALLATION & UP-GRADATION OF EXISTING SIGNALS IN KARACHI  
 INCLUDING ROUTINE CHECKUP OF SYSTEM AND MAKE IN ORDER IN FUNCTIONAL CONDITION

S.NO	ITEM	QTY OR	RATES	UNIT	AMOUNT
60	REPAIR OF STANDARD POLE	15	2,650/=	NO	39,750/=
61	REPAIR OF MAST ARM POLE	10	13,300/=	NO	1,33,000/=
62	POLE COVER FOR MAST ARM POLE	25	400/=	NO	10,000/=
63	POLE COVER FOR STANDARD POLE	50	300/=	NO	15,000/=
64	REPAIR OF MAST ARM POLE FOUNDATION	10	4400/=	NO	44,000/=
65	REPAIR OF STANDARD POLE FOUNDATION	25	1,550/=	NO	38,750/=
66	REPAIR OF POWER SUPPLY ST-800 AND T-400 CONTROLLER	100	7,500/=	NO	7,50,000/=
67	FRONT DOOR OF CONTROLLER CASING T-400, ST-800	5	11,000/=	NO	55,000/=
68	BACK DOOR OF CONTROLLER CASING T-400, ST-800	5	10,500/=	NO	52,500/=
69	REPAIR OF CONTROLLER CASING T-400, ST-800	1000	75/=	METER	75,000/=
70	WIRE 7/36	1500	260/=	METER	3,90,000/=
71	WIRE 12 CORE PVC / PVC COPPER CONDUCTOR	200	730/=	METER	1,46,000/=
72	UPVC PIPE 4" DIA	10	18,500/=	NO	1,85,000/=
73	COUNT DOWN TIMER COMPLETE 12"	50	920/=	NO	46,000/=
74	POWER SUPPLY UNIT FOR LED BALL	2	80,000/=	NO	1,60,000/=
75A	WIRE LESS UNIT FOR ST-800 / T-400 FOR REMOTE MONITORING	25	3,000/=	NO	75,000/=
75B	CLAMP WITH LOCK FOR CONTROLLER CASING	10	35,000/=	NO	3,50,000/=
76	SOLLAR FLASHER IN 200MM LIGHT ASPECT	10	48,000/=	NO	4,80,000/=
77	UPS 1000 WATT SIGN WAVES	10	21,000/=	NO	2,10,000/=
78	DRY BATTERY 100 AMP MAINTENANCE FREE	10		NO	
SUB TOTAL					

COMMUNICATIONS & CONTROL  
 A.M.A. SUITE NO. 12, 28-29  
 STATION-0-1, KARACHI RESEARCH

Chief Engineer  
 Transport & Communication Deptt.  
 The Metropolitan Corporation

No call, over working

13th Dec 2012



**NAME OF WORK: IMPROVEMENT/INSTALLATION & UP-GRADATION OF EXISTING SIGNALS IN KARACHI  
INCLUDING ROUTINE CHECKUP OF SYSTEM AND MAKE IN ORDER IN FUNCTIONAL CONDITION**

S.NO	ITEM	QTY OR	RATES	UNIT	AMOUNT
2-B	INSTALLATION / DISMANTLING CHARGES OF PARTS.				
1	T-400 OR ST-800 CONTROLLER 16 PHASE INCLUDING COMMISSIONING & TESTING WITH RE-BLOWING OF EPROM	2	6,500/=	NO	13,000/=
2	T-400 OR ST-800 CONTROLLER 8 PHASE INCLUDING COMMISSIONING & TESTING WITH RE-BLOWING OF EPROM	5	6,500/=	NO	32,500/=
3	SIMATIC OR EQUIVALENT CONTROLLER INCLUDING COMMISSIONING & TESTING	5	2,000/=	NO	10,000/=
4	CONTROLLER BASE	5	870/=	NO	4,350/=
5	MAIN PROCESSOR CARD	1	500/=	NO	500/=
6	4 OR 8 PHASE DRIVER CARD	2	500/=	NO	1,000/=
7	POWER SUPPLY UNIT	1	400/=	NO	400/=
8	HRC FUSE	10	100/=	NO	1,000/=
9	CAPACITOR	10	100/=	NO	1,000/=
SIGNAL HEADS POLY CARBONIZED					
10	3-WAY ASPECT 200 MM	25	750/=	NO	18,750/=
11	3-WAY ASPECT 300 MM	25	1,400/=	NO	35,000/=
12	2-WAY ASPECT 200 MM	15	700/=	NO	10,500/=
13	1-WAY ASPECT 300 MM	10	600/=	NO	6,000/=
14	1-WAY ASPECT 200 MM	10	200/=	NO	2,000/=
15	PEDESTRIAN PUSH BUTTON	1		NO	

Commissioner & Secretary  
M.T.A. Sindh Road & Transport  
Sindh Road & Transport  
Karachi

Chief Engineer (T&S)  
Transport & Commission Dept  
M.T.A. Sindh Road & Transport  
Karachi

No Ceiling over work  
2/12/22  
2/12/22



NAME OF WORK: IMPROVEMENT/INSTALLATION & UP-GRADATION OF EXISTING SIGNALS IN KARACHI  
 INCLUDING ROUTINE CHECKUP OF SYSTEM AND MAKE IN ORDER IN FUNCTIONAL CONDITION

S.NO	ITEM	QTY OR	RATES	UNIT	AMOUNT
	PARTS OF 200 MM SIGNAL HEADS				
16	GLASS	5	200/=	NO	1,000/=
			100/=	NO	500/=
17	HOOD	5	100/=	NO	500/=
			100/=	NO	500/=
18	RUBBER GGASKIT	5	100/=	NO	500/=
			100/=	NO	500/=
19	REFLECTOR	5	100/=	NO	500/=
			100/=	NO	500/=
20	MOUNTING BRACKET	5	100/=	NO	500/=
			100/=	NO	500/=
21	ARROW BRACKET	5	100/=	NO	500/=
			100/=	NO	500/=
22	ARROW MASK	5	100/=	NO	500/=
			100/=	NO	500/=
	PARTS OF 300 MM SIGNAL HEADS				
23	GLASS	10	200/=	NO	2,000/=
			100/=	NO	1,000/=
24	HOOD	10	100/=	NO	1,000/=
			100/=	NO	1,000/=
25	RUBBER GASKIT	5	100/=	NO	500/=
			100/=	NO	500/=
26	REFLECTOR	5	150/=	NO	750/=
			150/=	NO	750/=
27	ARROW BRACKET	5	150/=	NO	750/=
			150/=	NO	750/=
28	HANGING BRACKET	5	100/=	NO	500/=
			100/=	NO	500/=
29	ARROW MASK	5	100/=	NO	500/=
			100/=	NO	500/=

**SITICON**  
 Communication & Security  
 All 4 Suite Floor 28-29  
 Shehzad-4, Ishtari, Karachi

Chief Engineer  
 Transport & Communication Deptt.  
 Karachi Metropolitan Corporation

No ceiling, see lighting

01/11/2012

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*



NAME OF WORK: IMPROVEMENT/INSTALLATION & UP-GRADATION OF EXISTING SIGNALS IN KARACHI  
 INCLUDING ROUTINE CHECKUP OF SYSTEM AND MAKE IN ORDER IN FUNCTIONAL CONDITION

S.NO	ITEM	QTY OR	RATES	UNIT	AMOUNT
------	------	--------	-------	------	--------

	OTHER PARTS			NO	
30	STANDARD POLE AS PER EXISTING SAMPLE	Seven hundred fifty	750/-	NO	18,750/-
31	MAST ARM POLE AS PER EXISTING SAMPLE	Six thousand seven hundred fifty	6,700/-	METER	1,01,250/-
32	LAYING OF CABLE 12 CORE	Eighty	50/-	METER	2,500/-
		SUB TOTAL			
					1,33,92,000/-
	1. ROUTINE MAINTENANCE	One lane thirty three loc	Only two thousand only		1,89,95,950/-
	2. CHADREHABLE MAINTENANCE	One lane eighty nine loc	ninety five thousand nine hundred & fifty only		3,23,87,950/-
		TOTAL			
	NOTE. ALL THE MATERIAL & PARTS MENTIONED ABOVE SHOULD BE BRAND NEW & COMPATIBLE FOR REPLACEMENT WITH THE CORRESPONDING EXISTING TRAFFIC SIGNAL EQUIPMENT.				

Three lanes twenty three loc eighty Seven thousand nine hundred & fifty

SILCO  
 Communications & Security  
 A.M. 4, Suite No. 22, 23, 24  
 Shehr-e-Imam, Karachi

Office Manager (T&C)  
 Transport & Communication Deptt.  
 Karachi, Pakistan  
 06/09/2012

Dr  
 06/09  
 No cutting/paper work

SILCO  
 Communications & Security  
 A.M. 4, Suite No. 22, 23, 24  
 Shehr-e-Imam, Karachi  
 06/09/2012