

KARACHI DEVELOPMENT AUTHORITY (KDA)



PROJECT

REVAMPING OF MAHMOODABAD NALA FROM MALIR BUND/KPT FLYOVER TO MAHMOODABAD



TENDER EVALUATION REPORT

March 2018



EA Consulting (Pvt.) Ltd.

(Formerly Engineering Associates)

Consulting Engineers & Architects, Economists and Planning Experts

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TENDER EVALUATION REPORT

FOR REVAMPING OF MAHMOODABAD NALA FROM MALIR BUND/KPT FLY OVER TO MAHMOODABAD

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**KARACHI DEVELOPMENT AUTHORITY
OFFICE OF THE EXECUTIVE ENGINEER
SPECIAL DEVELOPMENT PROJECTS**

5th Floor, Civic Center, Gulshan-e-Iqbal, Karachi

BID EVALUATION REPORT
(In Compliance of Clause-45 SPP Rules 2010)

1. Name of Procuring Agency: **Office of the Executive Engineer (S.D.P),
Karachi Development Authority**
2. Tender Reference No: **EE/SDP/Engg.Deptt./KDA/2018/93
Dated: 20/02/2018**
3. Tender Description / Name of Work / Item: **Revamping of Mahmoodabad Nala,
from Malir Bund / KPT Flyover to Mahmoodabad.**
4. Method of Procurement: **Single Stage One Envelope**
5. Tender Published: **Through SPPRA Sr. # 35172 and KDA Website.**
6. Electronic Media: **Daily Jung, Daily Dawn, Daily Awami Awaz and Daily Dunya
Dated: 14-11-2017**
6. Total Bid Documents Sold: **(02) Two Nos.**
7. Total Bid Received: **(02) Two Nos.**
8. Technical Bid Opening date: (if applicable): **Not Applicable. (Provide details
in separate form)**
9. No. of Bid Technically qualified (if applicable): **Not Applicable.**
10. Bid(s) Rejected: **Nil.**
11. Financial Bid Opening Date: **09th March, 2018.**

12. Bid Evaluation Report:

Sr. #	Name of Firm or Bidder	Cost offered by Bidder	Ranking in terms of Cost	Comparison with Estimated Cost	Reasons for acceptance / rejection	Remarks
1.	M/s. Kaim Khani & Brothers J.V M. Nawaz Engineers	Rs. 564,823,040.00	1 st Lowest	19.15% above Estimated cost	Being lowest quoted by the contractor hence accepted.	Recommended for award of work.
2.	M/s. Sultan Mahmood & Company	Rs. 596,416,191.00	2 nd Lowest	25.81% above Estimated cost	The higher rates quoted by contractor were rejected.	Rejected.

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Executive Engineer, SDP, KDA
Chairman
(Procurement committee)

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Qamar Saeed
Accounts Officer, SDP KDA
Member
(Procurement committee)

FEROZE HASSAN SIDDIQUE
MEMBER
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Feroze Hassan Siddiqui
Asst. Executive Engineer, KMC
Member
(Procurement committee)

**TENDER EVALUATION REPORT
FOR THE WORK
REVAMPING OF MAHMOODABAD NALA FROM MALIR BUND /KPT
FLY OVER TO MAHMOODABAD**

1. INTRODUCTION.

KDA invited prequalification of Contractors Works pertaining Revamping of Mahmoodabad Nala from Malir Bund /KPT fly over to Mahmoodabad to Notice for prequalification was published in National News papers .

Following two firms were Prequalified:

Sr. #	Name of Firm / Contractor / Joint Venture
1	M/s Kaim Khani &brothers JV M Nawaz Engineers
2	M/s Sultan Mahmood &Company

Tender for the above mentioned project was invited by KDA from already prequalified contractor for and the opening date as 09-03-2018.

2. RECEIPT OF BIDS

The following tenders were received and opened by Procuring Committee in the office Executive Engineer (SDP) Room 508 fifth floor Civic Centre KDA in the presence of contractor's representatives on March.9 2018 as per schedule.

The names of Contractor / Firm / JV and the total bid amount declared at the time of opening of tender are as under:

Sr #	Name of Firm / Contractor / Joint Venture	Amount	Rebate offered (If any)	Amount after Rebate
1	M/s Kaim Khani &brothers JV M Nawaz Engineers	Rs.589,731,495.00	Nil	Rs.589,731,495.00
2	M/s Sultan Mahmood &Company	Rs 596,416,048.00	Nil	Rs 596,416,048.00

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3. ARITHMETICAL CHECK

The above tenders have been checked arithmetically. The corrected amounts of the tenders are as follows:

Sr #	Name of Firm / Contractor / Joint Venture	Corrected amount	Ranking
1	M/s Kaim Khani &brothers JV M Nawaz Engineers	Rs. 564,823,040.00	1 st Lowest
2	M/s Sultan Mahmood &Company	Rs. 596,416,191.00	2 nd Lowest

4. BID SCURTINY

All the two bidders referred above have been scrutinized and our comments are as under:

4.1 M/s Kaim Khani &brothers JV M Nawaz Engineers

- The Bid submitted by M/s Kaim Khani &brothers JV M Nawaz Engineers amounting to **Rs. 589,731,495.00** After scrutiny, arithmetical check, corrected amount is **Rs.564,823,040.00** and is **First lowest** among the two bidders participated in the tender.
- The bidder has submitted 2% bid security in shape of Pay Order for Rs.11,000,000,/= from JS Bank . JS Bank Limited Gulshion e Iqbal Branch Karachi which is less than 2% of the total bid cost. (Balance Bid Security amount Rs 2,56,000.00 is to be submitted)
- The bidder has filled the tender documents properly, duly signed and stamped as per contractual obligation.


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4.2 M/s Sultan Mahmood & Company

- a) The Bid submitted Rs 596,416,048.00 and After scrutiny, arithmetical check, the corrected amount is Rs594,622,191.00 and is **Second lowest** among the three bidders participated in the tender.
- b) The bidder has submitted 2% bid security in shape of Bank Guaranty for Rs.12,000,000/= (twelve Millions) from Dubai Islamic Bank Limited Hassan Chamber DC-7 Kehkashan, Clifton Karachi which is more than 2% of the total bid cost. The Expiry date of bid security is 16/07/2018.
- c) The bidder has filled the tender documents properly, duly signed and stamped as per contractual obligation.

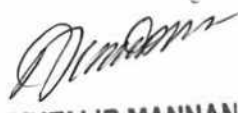
5. CONSULSION / RECOMMENDATION


The tender for the project "Revamping of Mahmoodabad Nala from Malir Bund/KPT fly over to Mahmoodabad " was evaluated and arithmetically checked and corrected accordingly. However, the quoted rates of **M/s Kaim Khani & brothers JV M Nawaz Engineers** is lowest and within the allowable percentage of 20% with respect to Engineering Estimates.

M/s Kaim Khani & brothers JV M Nawaz Engineers is recommended for award of this Contract.


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Annexure "A"

Comparative Statement


REVAMPING OF MAHMOODABAD NALA FROM MALIR BUND ' KPT FLYOVER TO MAHMOODABAD

Comparative Statement

Summary

S.No	Description	EA Consulting pvt Ltd			Kaim Khani & brothers JV M nawaz Engineers			%age (below/above)	Sultan Mahmood & Company			%age (below/above)
		Cost of Schedule Item	Cost of Non-Schedule Items	Total (Schedule & Non schedule)	Cost of Schedule Item	Cost of Non-Schedule Items	Total (Schedule & Non schedule)		Cost of Schedule Item	Cost of Non-Schedule Items	Total (Schedule & Non schedule)	
1	Earth Work	66,353,864.74	3,643,262.00	69,997,126.74	101,770,554.30	18,606,976.00	120,377,530.30		92,580,324.40	47,890,000.00	140,470,324.40	
2	Structural Works	278,295,170.00		278,295,170.00	364,809,040.00	-	364,809,040.00		385,670,000.00		385,670,000.00	
3	Sewerage System	4,034,310.70	285,229.77	4,319,540.48	5,479,790.01	858,931.53	6,338,721.53		5,214,665.60	408,930.70	5,623,596.30	
4	Roads Works	20,226,106.84		20,226,106.84	33,768,228.31		33,768,228.31		45,766,169.97		45,766,169.97	
6	Electrification		27,438,000.00	27,438,000.00		39,529,520.00	39,529,520.00			18,886,100.00	18,886,100.00	
Total (Rs.)		368,909,452.27	31,366,491.77	400,275,944.05								
Premium of 20% below/above on Scheduled Items (Rs.)		73,781,890.45					564,823,040.14	19.15			596,416,190.67	25.81
Total Cost with Premium (Rs.)		474,057,834.50		474,057,834.50			564,823,040.14				596,416,190.67	




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REVAMPING OF MAHMOODABAD NALA FROM MALIR BUND / KPT FLYOVER TO MAHMOODABAD ENGINEER'S ESTIMATE (EARTH WORK)

Comparative Statment (Earth Work)

SCHEDULED ITEMS				EA Consulting pvt Ltd		Kaim Khani & brothers JV M nawaz Engineers		Sultan Mahmood & Company	
S.No	ITEM DESCRIPTION		Qty	Rate (Rs)	Amount (Rs)	Rate (Rs)	Amount (Rs)	Rate (Rs)	Amount (Rs)
	EXCAVATION								
1	Excavation in trenches, and pits in slushy daldaly soil i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by engineer Incharge. Providing frnce guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m)								
1.2	Add for additional lift of every 1m or part there for excavation for trenches and pits.								
1.2.1	1.5 m to 2.5 m	m ³	33,267.86	400.77	13,332,761.00	423.84	14,100,249.78	500.00	16,633,930.00
1.2.2	2.5 m to 3.5 m	m ³	34,852.04	420.19	14,644,479.00	494.48	17,233,636.74	550.00	19,168,622.00
1.2.3	3.5 m to 4.5 m	m ³	3,459.86	439.61	1,520,990.00	529.80	1,833,033.83	600.00	2,075,916.00
1.3	Earthwork excavation in irrigation channels, drains etc, dressed to desiged section grades and profiles excavated material disposed off and dressed within 50 ft. lead								
1.3.1	Soft Soil	m ³	1,482.80	85.47	126,734.92	353.20	523,724.96	80.00	118,624.00




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REVAMPING OF MAHMOODABAD NALA FROM MALIR BUND / KPT FLYOVER TO MAHMOODABAD ENGINEER'S ESTIMATE (EARTH WORK)

Comparative Statment (Earth Work)

SCHEDULED ITEMS			EA Consulting pvt Ltd		Kaim Khani & brothers JV M nawaz Engineers		Sultan Mahmood & Company		
S.No	ITEM DESCRIPTION	Qty	Rate (Rs)	Amount (Rs)	Rate (Rs)	Amount (Rs)	Rate (Rs)	Amount (Rs)	
2	Carriage of 100 Cft/5 Tons of all type of excavated materials like garbage, earth, stone aggregate, spawl, coal, lime, surkhi etc: B.G Rails fastening points and crossing bridge, girder, pipes, sheets rails, M.S bars etc: by trucks or any other means owned by the contractor.	m ³	73,062.55	318.66	23,282,112.18	353.20	25,805,692.66	500.00	36,531,275.00
3	BACKFILLING Filling, watering and ramming earth under floor with new earth (Excavated from outside) lead upto once chain and lift upto 1.5m	m ³	4,846.37	128.21	621,353.10	141.28	684,695.15	350.00	1,696,229.50
4	Carriage of 100 Cft/5 Tons of all type of materials like backfill, garbage, earth, stone aggregate, spawl, coal, lime, surkhi etc: B.G Rails fastening points and crossing bridge, girder, pipes, sheets rails, M.S bars etc: by trucks or any other means owned by the contractor.								
4.1	10th Mile	m ³	4,846.37	318.66	1,544,344.26	353.20	1,711,737.88	550.00	2,665,503.50
5	COFFER DAM Temporary construction of coffer dam used of synthetic bags new / 1st bharti 4 to 5 cft. capacity with sand or earth sewing lying in position under water .	P.Bag	53,288.68	69.00	3,676,918.92	500.00	26,644,340.00	150.00	7,993,302.00
6	DEWATERING Bailing or pumping out sub soil water during excavation, concreting, cast in situ concrete or masonry work in foundation etc.	PM ³	36,531.28	191.73	7,004,142.31	353.20	12,902,848.10	130.00	4,749,066.40


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REVAMPING OF MAHMOODABAD NALA FROM MALIR BUND / KPT FLYOVER TO MAHMOODABAD ENGINEER'S ESTIMATE (EARTH WORK)

Comparative Statment (Earth Work)

SCHEDULED ITEMS			EA Consulting pvt Ltd		Kaim Khani &brothers JV M nawaz Engineers		Sultan Mahmood &Company	
S.No	ITEM DESCRIPTION	Qty	Rate (Rs)	Amount (Rs)	Rate (Rs)	Amount (Rs)	Rate (Rs)	Amount (Rs)
7	Dismantling of RCC Dismantling cement concrete reinforced separating reinforcement from concrete cleaning and straightening the same.	m ³ 312.00	1,923.17	600,029.04	1,059.60	330,595.20	3,038.00	947,856.00
TOTAL AMOUNT OF SCHEDULED ITEMS (Pk. Rs.) (A)				66,353,864.74		101,770,554.30		92,580,324.40




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Comparative Statment (Earth Work)

SCHEDULED ITEMS			EA Consulting pvt Ltd		Kaim Khani & brothers JV M nawaz Engineers		Sultan Mahmood & Company		
S.No	ITEM DESCRIPTION	Qty	Rate (Rs)	Amount (Rs)	Rate (Rs)	Amount (Rs)	Rate (Rs)	Amount (Rs)	
Non-Scheduled Items									
8	LADDERS Providing fabricating and fixing M.S ladder /rungs as shown in drawing complete with all fixing arrangements (rawal bolt, etc.) as shown in drawing enamel painting with rust proof paint (at any height in any floor) etc., complete in all respects as per drawing, standard , specifications and directed by the Engineer.	No.	55.00	666.00	36,630.00	2,000.00	110,000.00	11,000.00	605,000.00
9	CLEANING OF DRAIN Cleaning of Existing Drain Nala Cleaning of sewerage/Strom Nala completely restoring silt free space of Nala by labor and equipment mechanically/electrically driven i/c accessories, draggers sizing from Corner to corner and spacificed length from downstream to upstream to ensure perfect cleaning. The job includes all the hire/cost of equipment and accessories of above winching machine /devise along with tractors/ engines and other protection like safety barriers, traffic signs, traffic cones ensuring no damage to pipe line along with ensuring safety to labor land other public property/lives and removal of silt /solids during the silting and clearance of site etc. complete as per satisfaction of site engineer.	m ²	27,600.00	109.57	3,024,132.00	635.76	17,546,976.00	1,600.00	44,160,000.00




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REVAMPING OF MAHMOODABAD NALA FROM MALIR BUND / KPT FLYOVER TO MAHMOODABAD ENGINEER'S ESTIMATE (EARTH WORK)

Comparative Statment (Earth Work)

SCHEDULED ITEMS			EA Consulting pvt Ltd		Kaim Khani & brothers JV M nawaz Engineers		Sultan Mahmood & Company		
S.No	ITEM DESCRIPTION	Qty	Rate (Rs)	Amount (Rs)	Rate (Rs)	Amount (Rs)	Rate (Rs)	Amount (Rs)	
10	CONNECTION WITH EXISTING DRAIN Making connection with existing drain including removing of debris & demolished material, excavation, stone pitching, RCC works i/c steel reinforcement, etc. complete in all respect as per drawings, specifications and as directed by the Engineer incharge	No.	5.00	100,000.00	500,000.00	100,000.00	500,000.00	100,000.00	500,000.00
11	UPVC PIPE Providing ,laying uPVC pipes of class 'B' (equivalent make) fixing in trench i/c cutting, fitting and jointing with solvent/'Z' joint with one rubber ring. complete in all respect as per drawings and specification and as directed by the Engineer Incharge.								
11.1	PN-6 (300mm Diameter Pipe)	Rm	150.00	550.00	82,500.00	3,000.00	450,000.00	17,500.00	2,625,000.00
TOTAL AMOUNT OF NON-SCHEDULED ITEMS (Pk. Rs.)(B)				3,643,262.00		18,606,976.00		47,890,000.00	
TOTAL AMOUNT PART (A+B) IN PKR				69,997,126.74		120,377,530.30		120,377,530.30	


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REVAMPING OF MAHMOODABAD NALA FROM MALIR BUND / KPT FLYOVER TO MAHMOODABAD

Comparative Statement (STRUCTURE)

S.N O	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)
(SCHEDULE ITEMS)				EA Consulting		Kaim Khani &brothers JV M nawaz Engineers		Sultan Mahmood &Company	
1	STONE SOLING Providing and laying dry rammed brick or stone ballast / soling 1-1/2" to 2" gauge from approved quarry including hand packing & filling voids with stone material, consolidating & compacting with power or hand roller,etc complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.	4300.00	m ³	1,175.27	5,053,661	2,120.00	9,116,000.00	3,500.00	15,050,000.00
2	CONCRETE WORKS Providing and laying cement concrete plain including placing compacting, finishing, leveling and curing complete (including screening and washing at stone aggregate without shuttering etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer.								
i)	Below bottom slab & where required etc.	1400.00	m ³	3,987.19	5,582,066	8,830.00	12,362,000.00	9,000.00	12,600,000.00
3	WOODEN FORMWORKS/SHUTTERING Providing, fixing, erection and removal of centering for R.C.C or plain cement concrete works of partial wood (shuttering / formwork) of approved quality in horizontal / vertical surface etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer.								
i	Form work for lean concrete	300.00	m ²	361.31	108,393	538.00	161,400.00	600.00	180,000.00




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Comparative Statement (STRUCTURE)

S.N O	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)
(SCHEDULE ITEMS)				EA Consulting		Kaim Khani &brothers JV M nawaz Engineers		Sultan Mahmood &Company	
4	RCC CONCRETE Providing and laying Reinforced sulphate resistant cement concrete having 3000 psi cylindrical strength (ready mixed concrete) including all kinds of formwork, hoisting, placing, compacting, finishing, vibrating, curing etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer.(Excluding the cost of steel reinforcement)								
i)	Bottom slab (3000 Psi)	6800.00	m ³	9,593.30	65,234,440	12,362.00	84,061,600.00	12,800.00	87,040,000.00
ii)	Walls (3000 Psi)	3000.00	m ³	9,593.30	28,779,900	14,128.00	42,384,000.00	14,300.00	42,900,000.00
iii)	Jersey barrier (3000 Psi)	400.00	m ³	9,593.30	3,837,320	15,894.00	6,357,600.00	15,500.00	6,200,000.00
5	STEEL REINFORCEMENT Providing, supplying, cutting, fabrication of Tor steel reinforcement for cement concrete including cutting,bending,laying in position making joints and fastening including cost of binding wire (also includes removal of) etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer. (Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer).								
b)	Using Tor Steel Bar	1645000.00	Kg	100	164,500,000	125.00	205,625,000.00	132.00	217,140,000.00
6	BITUMEN COATING Providing and applying industrial bitumen paint/coating to plastered or cement concrete surface etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.								
		24000.00	m ²	83.72	2,009,280	64.56	1,549,440.00	120.00	2,880,000.00




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Comparative Statement (STRUCTURE)

S.N O	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)
(SCHEDULE ITEMS)					EA Consulting	Kaim Khani & brothers JV M nawaz Engineers	Sultan Mahmood & Company		
7	Providing and fixing expansion /construction joint in concrete work of 9" or 225mm wide corrugated PVC water stop (with bulb) i.e soldering and providing wooden key of partal wood i/c cutting of planks to the exact shape of structure and cost of the material and labor etc. complete in all respects as per standard specification, drawing and entire satisfaction of the Engineer.	2100.00	Rm	1,519.10	3,190,110	1,520.00	3,192,000.00	800.00	1,680,000.00
TOTAL AMOUNT OF SCHEDULED ITEMS (Pk. Rs.)					278,295,170		364,809,040.00		385,670,000.00




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Comparative Statement (SEWERAGE WORK)

S.No.	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)
				EA Consulting pvt Ltd		Kaim Khani & brothers JV M nawaz Engineers		Sultan Mahmood & Company	
3	RCC PIPES Providing, laying of RCC pipe of ASTM C-76-62 T/C-76-70 of class II wall B and fixing in trenches i/c cutting, fitting and jointing with rubber ring i/c testing with water to specified pressure etc. complete in all respect as per instruction of engineer in charge and specification. <p align="right">300 mm I.D</p>	R.m	720.00	1351.77	973,274.40	1968.00	1,416,960.00	1200.00	864,000.00
4	CONSTRUCTION OF MANHOLE EXCAVATION Excavation for tanks and reservoir in all kind of soils i/c trimming and dressing sides to true alignment/design section/ profiles and shape, leveling of beds of trenches to correct level and grade i/c laying of earth in 6" layer for construction of banks and dressing and disposal of surplus earth. with in a one chain as directed by the Engineering Incharge, providing fence guard light flags and temporary crossing for non vehicular traffic where ever required lift upto 5 ft (1.52 m) and lead upto one chain (30.5 m)								
4.1		m3	251.46	105.93	26,637.16	356.20	89,570.05	700.00	176,022.00




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REVAMPING OF MAHMOODABAD NALA FROM MALIR BUND / KPT FLYOVER TO MAHMOODABAD

Comparative Statement (SEWERAGE WORK)

S.No.	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)
				EA Consulting pvt Ltd		Kaim Khani & brothers JV M nawaz Engineers		Sultan Mahmood & Company	
5	CONCRETE WORKS Cement concrete plain including placing compacting, finishing and curing, complete including screening and washing of stone aggregate without shuttering. (Ratio 1:4:8)	m ³	10.20	3987.19	40,669.34	7064.00	72,052.80	6500.00	66,300.00
6	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and which will be paid seperately. This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). RCC work in roof slab, beams, columns rafts. Lintels and other structural members laid in situ or precast laid in position completed in all respected. Ratio (1:2:4) 90 Lbs cement 2Cft sand 4Cft shingle 1/8" to 1/4" gauge complete in all respect, as per specifications & relevant drawings and all works to the entire satisfaction of the Engineer. (Ratio 1:2:4)								
6.1	BED SLAB , WALLS & TOP SLAB	m ³	99.13	11902.84	1,179,928.53	14,128.00	1,400,508.64	11000.00	1,090,430.00




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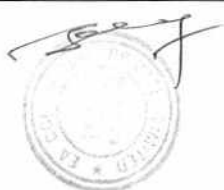

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				EA Consulting pvt Ltd		Kaim Khani & brothers JV M nawaz Engineers		Sultan Mahmood & Company	
NON SCHEDULE ITEMS									
10	SELECTED BACKFILL Backfilling the excavated material (clean) in trenches in 150mm thick layer including watering, ramming to full compaction etc complete in all respect as per drawing ,specification and as directed by the Engineer/Representative.	m³	227.41	193.60	44,026.58	211.92	48,192.73	270.00	61,400.70
11	R.C.C MANHOLE COVER Manufacturing and supply RCC manhole covers cast in 1:2:4 concrete ratio using SRC, 3 inch deep at center reinforced with 3/8" dia tor steel bars at 4" c/c welded to 1/8" thick 2.5 inch deep M.S plate including curing stacking and transportation with in 10 miles.								
11.1	a) 300mm dia	Nos	70.00	2100.00	147,000.00	7500.00	525,000.00	3000.00	210,000.00
12	GRANULAR BEDDING Providing, spreading, and consolidating of granular bedding material of approved quality including watering etc .complete in all respect as per drawings and specification and as directed by the Engineer Incharge.	m³	80.90	1164.44	94,203.20	3532.00	285,738.80	1700.00	137,530.00
SUB TOTAL AMOUNT PART - (B)					285,229.77		858,931.53		408,930.70
TOTAL AMOUNT PART (A+B) IN PKR					4,319,540.48		6,338,721.53		5,623,596.30




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Comparative Statement (Roads Works)

S.NO	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)
					EA Consulting pvt Ltd		Kaim Khani &brothers JV M nawaz Engineers		Sultan Mahmood &Company
(SCHEDULE ITEMS)									
1	CLEARING AND GRUBBING Clearing and grubbing the site by cutting, uprooting and removing all rubbish and shrubs including disposal to (outside limits) designated places.	6,000.00	Sqm	10.44	62,640	25.00	150,000.00	30.00	180,000.00
2	REMOVAL OF TREES Removal of Trees 150mm to 300mm girth including uprooting and disposal to (outside limits) designated places.	50.00	Each	151.53	7,577	1,000.00	50,000.00	500.00	25,000.00
3	COMPACTION OF NATURAL GROUND Compaction of Natural Ground upto a depth of 20cm below the natural ground level compacted upto 90% density modified AASHTO.	6,000.00	Sqm	16.50	99,000	30.00	180,000.00	35.00	210,000.00
4	EXCAVATE UNSUITABLE MATERIAL Earthwork excavation of road, side nallies including forming its banks or putting the same on embankment as directed clod breaking, dressing, etc, complete (throw work) (In ordinary soil)	6,000.00	Cum	50.72	304,320	75.00	450,000.00	450.00	2,700,000.00




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S.NO	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)
5	CARTAGE OF EXCAVATED MATERIAL Cartage of excavated material earth work wet silt building material rubbish murrum earth including loading and unloading lead upto 7 miles								
	1st Mile	6,000.00	Cum	143.75	862,500	176.60	1,059,600.00	150.00	900,000.00
	2nd Mile	6,000.00	Cum	33.74	202,440	85.00	510,000.00	200.00	1,200,000.00
	3rd Mile	6,000.00	Cum	27.16	162,960	60.00	360,000.00	250.00	1,500,000.00
	4th Mile	6,000.00	Cum	24.88	149,280	50.00	300,000.00	300.00	1,800,000.00
	5th Mile	6,000.00	Cum	22.76	136,560	40.00	240,000.00	350.00	2,100,000.00
	6th Mile	6,000.00	Cum	20.37	122,220	30.00	180,000.00	400.00	2,400,000.00
	7th Mile and Subsequent Mile	6,000.00	Cum	11.50	69,000	20.00	120,000.00	450.00	2,700,000.00
6	PREPARATION OF SUBGRADE Preparation of Sub Grade including earth excavation or filling to an average depth of 9" dressing to camber and consolidation with power roller								
		6,000.00	Sqm	56.66	339,960	65.00	390,000.00	150.00	900,000.00
7	FORMATION OF EMBANKMENT Earthwork for road embankment by bulldozer including ploughing, mixing, clod breaking, dressing and compacting with optimum moisture content. Lead upto 100ft and lift upto 5ft: in all types of soil except rock. If earthwork is done by other than For 95-100% modified AASHO density.								
		27,000.73	Cum	218.64	5,903,440	550.00	14,850,401.50	450.00	12,150,328.50




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Comparative Statement (Roads Works)

S.NO	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)
9	GRANULAR SUBBASE Preparing Sub base course by supplying and spreading stone metal 1-1/2"-2" guage of approved quality from approved quarry in required thickness to proper camber and grade including hand packing filling voids with 20 cft: of pit / canal sand having plasticity index not more than 6% of suitable quality, watering amd compacting to achieve 98-100% density as per modified AASHO specifications (Rate includes all cost of materials, T & P and carriage upto 3 chains).	900.15	Cum	1,548.33	1,393,729	2,100.00	1,890,315.00	2,500.00	2,250,375.00
10	AGGREGATE BASE COURSE Providing and Laying Aggregate base course in proper grade and camber having CBR 80% as per AASHTO standard specifications i/c spreading and compacting by approved mechanical means (Motor grader, Vibratory roller and Smooth wheel roller etc) watering to maintain the moisture content the compaction of each layer shall 100 percent to the max dry density (Rate i/c all cost of materials T&P and carriage upto 3 chains).	900.15	Cum	1,958.39	1,762,836	2,825.00	2,542,911.81	3,200.00	2,880,466.47




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Comparative Statement (Roads Works)

S.NO	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)
11	APPLYING BITUMINOUS COAT Applying priming coat or tack coat with approved binder at the required rate including cleaning the road surface thoroughly, heating to the required temperature and spraying the binder with pressure as directed, etc complete.	6,000.00	Sqm	6.98	41,880.00	54.00	324,000.00	120.00	720,000.00
12	50mm THICK ASPHALT CONCRETE WEARING Laying to Proper line and grade plant mixed Asphalt concrete paver finished (Hydraulic / Electronic control). Prepared to specified formula according to job mix formula approved by Engineer incharge including rolling and finishing to Properline, grade level and camber, etc. (Machinery with POLs cost of material carriage).	6,000.00	Sqm	889.23	5,335,380	1,076.00	6,456,000.00	1,150.00	6,900,000.00
13	PRECAST KERB BLOCKS Providing & fixing Precast Edge Block 3750 PSI Industrial Made Size 6 inches thick x 12 inches long x 12 inches high including the cost of Cartage, excavation, form Work for hunching, 1450 PSI lean concrete, 2250 PSI concrete for hunching, 1:4 cement sand mortar.	1,000.00	Rm	974.19	974,190	1,066.00	1,066,000.00	1,500.00	1,500,000.00



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Comparative Statement (Roads Works)

S.NO	ITEM DESCRIPTION	QTY	UNIT	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)	RATE	AMOUNT (Rs.)
14	CONCRETE CLASS B FOR FOOTPATH Providing and Laying Concrete having 2450psi cylindrical strength (ready mixed concrete) including placing, compacting, finishing, curing complete in all respect as shown on th drawings and as directed by the Engineer. (Excluding the cost of steel reinforcement).	250.00	Cum	9,184.78	2,296,195	10,596.00	2,649,000.00	11,000.00	2,750,000.00
TOTAL AMOUNT OF SCHEDULED ITEMS (Pk. Rs.)					20,226,107		33,768,228.31		45,766,169.97




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REVAMPING OF MAHMOODABAD NALA FROM MALIR BUND / KPT FLYOVER TO MAHMOODABAD

Comparative Statement (Electrification)

Sr. Nos.	DESCRIPTION OF WORKS	UNIT	QTY.	EA Consulting pvt Ltd		Kaim Khani & brothers JV M nawaz Engineers		Sultan Mahmood & Company	
				RATE (Pak Rs.)	AMOUNT	RATE (Pak Rs.)	AMOUNT	RATE (Pak Rs.)	AMOUNT
1	Providing, installation, testing and commissioning of following Octagonal lighting pole, hot dipped galvanized from inside and outside with 4mm wall thickness including base plate anchor bolt, nuts and washer, self inspection door with special keys, cable connection box etc., (detail shown on the drawings), Complete in all respects as per specification and drawings.								
a	8 m High, Single Arm Pole	Nos.	60	85,000	5,100,000	100,000.00	6,000,000.00	50,000.00	3,000,000.00
2	Construction and installation of pole foundation in concrete class "A", reinforcement as per AASHTO M31, lean concrete etc. Excavation and backfilling for the Pole foundation shall be included in this job. Complete in all respects as per specifications and drawings.								
		Job.	60	20,000	1,200,000	20,000.00	1,200,000.00	19,000.00	1,140,000.00




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Comparative Statement (Electrification)

Sr. Nos.	DESCRIPTION OF WORKS	UNIT	QTY.	EA Consulting pvt Ltd		Kaim Khani & brothers JV M nawaz Engineers		Sultan Mahmood & Company	
				RATE (Pak Rs.)	AMOUNT	RATE (Pak Rs.)	AMOUNT	RATE (Pak Rs.)	AMOUNT
3	Providing, installation, testing and commissioning of 90 W LED (IP-66) street light fixture , complete in all respects,as per specification and drawing. Lighting fixture samples must be submitted to Consultant for approval.	Nos.	60	80,000	4,800,000	110,000.00	6,600,000.00	75,000.00	4,500,000.00
4	Providing, installation, testing and commissioning of following outdoor type IP65 rated Pad mounted Lighting Control Panel (LCP) on concrete pad. This job include with all civil works as per drawing and specifications, complete in all respect:								
a	LCP-01 INCOMING 1 No.63A, TP MCCB (Ics 15 kA) Timer contactor with Photo Sensor OUTGOING 10 Nos.10A,TP MCCB	No.	1	550,000	550,000	250,000.00	250,000.00	500,000.00	500,000.00

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				RATE (Pak Rs.)	AMOUNT	RATE (Pak Rs.)	AMOUNT	RATE (Pak Rs.)	AMOUNT
5	Providing, installing, testing and commissioning of following sizes of 600/1000 volts grade copper conductor unarmoured cables in 75 mm dia uPVC pipe from Transformer to LCP, LCP to Lighting Pole, Lighting Pole to Lighting Pole, including excavation and fresh sand 6" above and 6" under cable, laying protection bricks on sand, warning tape and backfilling, compaction etc.Complete in all respect,as per specification and drawing.								
a	4c- 50 Sq.mm Cu.PVC/PVC +1c-25 sq.mm PVC as ECC	Rm	65	7,000	455,000	1,000.00	65,000.00	5,500.00	357,500.00
b	4c- 16 Sq.mm Cu.PVC/PVC +1c-16 sq.mm PVC as ECC	Rm	1200	4,500	5,400,000	8,000.00	9,600,000.00	1,800.00	2,160,000.00
c	4c- 10 Sq.mm Cu.PVC/PVC +1c-10 sq.mm PVC as ECC	Rm	1800	3,500	6,300,000	5,500.00	9,900,000.00	1,200.00	2,160,000.00
6	Providing and laying of following sizes of uPVC class "D" Pipes for Road crossing. Buried in ground as per drawing. Including excavation for laying of pipe and backfilling,as per specification and drawing,complete in all respect.								
a	100 mm dia Upvc	Rm	60	2,500	150,000	742.00	44,520.00	4,500.00	270,000.00



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				RATE (Pak Rs.)	AMOUNT	RATE (Pak Rs.)	AMOUNT	RATE (Pak Rs.)	AMOUNT
7	Providing, installing, testing and commissioning of 3 Core 2.5 Sq.mm PVC / PVC, 450/750 volts grade cable for each light from cable terminal box to luminaries complete in all respect.	Rm	480	350	168,000	2,000.00	960,000.00	320.00	153,600.00
8	Providing, installation, testing and commissioning of Terminal Box IP 65 including 1 No. 4A, Circuit Breaker with terminals , complete in all respect.	Nos.	60	6,000	360,000	2,000.00	120,000.00	1,500.00	90,000.00
9	Supply, installation, testing & commissioning of 50 KVA, Pole mounted Transformer. Including all accessories such as Poles, platform, cross arms, insulated copper conductor, dropout fuse switches complete in all respect as per drawing and K-Electric specifications.	No.	1	650,000	650,000	350,000.00	350,000.00	1,500,000.00	1,500,000.00




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Comparative Statement (Electrification)

Sr. Nos.	DESCRIPTION OF WORKS	UNIT	QTY.	EA Consulting pvt Ltd		Kaim Khani & brothers JV M nawaz Engineers		Sultan Mahmood & Company	
				RATE (Pak Rs.)	AMOUNT	RATE (Pak Rs.)	AMOUNT	RATE (Pak Rs.)	AMOUNT
10	Provisional sum for obtaining electrical 11KV power supply connection from K-Electric with all necessary requirements including meter, circuit breaker / cutouts, necessary power cables and all installation material required for the connection and lioisioning with K-Electric for approval of the load, complete in all respect.	Job.	1	350,000	350,000	500,000.00	500,000.00	1,000,000.00	1,000,000.00
11	Providing, installation, testing & commissioning of 3c-70 sq.mm Al.XLPE/SWA/PVC MV cable from nearest scoured of K-Electric power supply for incoming cable to 1No. 50 kVA Transformer as required as per site and including cost of excavation for laying of cable, bricks, warning tape, and backfilling with new and fresh sand (6" under and 6" above the cable),complete in all respect.	Job.	1	500,000	500,000	300,000.00	300,000.00	15,000.00	15,000.00
12	Supply, installation, testing and commissioning of earthing pit with 3 meter long 20 mm dia earth copper rod for Transformer,LCP and end of every circuit directly driven to ground to obtain earth resistance not more than 1 ohm.as per drawing, complete in all respect.	Nos.	11	55,000	605,000	30,000.00	330,000.00	60,000.00	660,000.00

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				RATE (Pak Rs.)	AMOUNT	RATE (Pak Rs.)	AMOUNT	RATE (Pak Rs.)	AMOUNT
13	Providing, installation, testing & commissioning of following PVC insulated (yellow/green) earth continuity cable from earth pit to respective Transformer,LCP, between pole to pole, in PVC conduit.Complete in all respects,as per specification and drawing.								
a	1c- 70 Sq. mm as ECC	Rm	40	2,500	100,000	4,000.00	160,000.00	3,000.00	120,000.00
b	1c- 16 Sq. mm as ECC	Rm	300	700	210,000	3,000.00	900,000.00	1,800.00	540,000.00
c	1c- 10 Sq. mm as ECC	Rm	900	600	540,000	2,500.00	2,250,000.00	800.00	720,000.00
TOTAL AMOUNT (Pk.Rs.)					27,438,000		39,529,520.00		18,886,100.00




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