



KARACHI WATER & SEWERAGE BOARD

OFFICE OF THE PROJECT DIRECTOR (S-III)

Block - D, 1ST Floor, 9th Mile Karsaz, Shakra-e-Faisal, Karachi

Telephone No. 021-99240873, Fax No. 021-99240828

No. PD/S-III/KW&SB/2019/ 1529

Dated: January 02, 2019

**The Managing Director,
Sindh Public Procurement Authority,
Karachi.**

**Subject: Submission of Information Under Clause 45 of SPPRA Rules 2010
(Amended 2017) for Contract Packages LS-01, LS-02 & LS-03, Under
S-III Project**

Ref. Serial No.37819

1. In accordance with Clause 45 of SPPRA Rules 2010 (Amended 2017), following information for Contract Packages LS-01, LS-2 & LS-03, Under S-III Project is submitted for announcement of Evaluation Reports:

- 1) Minutes of Meeting
- 2) Bid Evaluation Report
- 3) Comparative Statement

2. In this regard, it is requested to please hoist it on website of the Authority.

Nor, 2.1.2019
**Noor Ahmed Samoo
Project Director (S-III)
KW&SB**

Copy to:

1. Registrar Judicial Water Commission of Supreme Court of Pakistan, Karachi.
2. Managing Director, KW&SB

Mustafa
35

PD to MD SPPRA Submission

SPPRA INWARD DIARY

NO : 4089
DATED : 02/01/2019



KARACHI WATER & SEWERAGE BOARD
OFFICE OF THE DY. PROJECT MANAGER (S-III)
SECRETARY PROCUREMENT COMMITTEE

Block – D, 1st Floor, 9th Mile Karsaz, Shakra-e-Faisal, Karachi

No. DY.P.M/S-III/KW&SB/2018 / 289

Dated: 30-10-2018

MINUTES OF MEETING

Subject: Meeting of Procurement Committee for Tender Opening of Works (Contract Packages LS-01, LS-02, LS-03, MS-01, MS-02, MS-03 & MS-04) of Greater Karachi Sewerage Plan (S-III) Held on 29th October, 2018

1. Attach please find Minutes of Meeting as per Clause 41-9 on the above subject held on 29th October, 2018 in Committee Room, Block – D, First Floor, P.D S-III Secretariat, KW&SB chaired by Syed Hassan Ejaz Kazmi, Project Director (100 MGD. Dhebji Project) as Convener of meeting.
2. As per Clause 41 of SPPRA Rules 2010 (Amended 2017) the tender opened at 2:30 p.m. on schedule date in the presence of all members of Committee constituted as per Clause No.7 of SPPRA Rule 10 (Amended 2017) and representatives of participating firms like to attend meeting.
3. The list of participants is attached at Annexure - 1.


Deputy Project Manager /
Secretary Evaluation Committee
S-III Project, KW&SB

Distribution:

- ▶ All Members

Copy to:

- ▶ Project Director, S-III Project, KW&SB

GREATER KARACHI SEWERAGE PLAN (S-III PROJECT)

MINUTES OF MEETING

Subject: **Meeting of Procurement Committee for Tender Opening of Works (Contract Packages LS-01, LS-02, LS-03, MS-01, MS-02, MS-03 & MS-04 of Greater Karachi Sewerage Plan (S-III) Held on 29th October, 2018 for Tender Opening**

1. The Contract Packages of proposed works under Revised PC-1 of S-III Project was invited on October, 2018 from Pre-Qualified Contractor Firms, and opened as per extended response time on 29th October, 2018 at 2:30 p.m. in the committee room of P.D. Secretariat, First Floor, Block -D, 9th Mile, Karsaz, Shahrah-e-Faisal, Karachi.

2. The meeting was chaired by Syed Hasan Ejaz Kazmi, Project Director, New 100 MGD Dhabeji Project, attended by the members of the Procurement Committee and the representatives of the Contractor Firms as under:

Procurement Committee

- i) Syed Hasan Ejaz Kazmi, Project Director (Dhabeji) (Convener) KW&SB
- ii) Mr. Aamir Waqar, Dy. Project Manager, Secretary Procurement Committee, (S-III) KW&SB
- iii) Mr. Gangji, Deputy Project Manager, (TPs) (S-III) KW&SB
- iv) Mr. Shafqat Hussain, Asstt. Executive Engineer, (S-III) KW&SB
- v) Mr. Naveed Jabbar, Accounts Officer, (S-III) KW&SB
- vi) Mr. M. Riaz Khan Ghauri, Executive Engineer (CE&PS), KW&SB
- vii) Mr. Maqsood Ahmed Shaikh, Superintending Engineer, KMC
- viii) Mr. M. Rashid, Contract Engineer (Co-opted) M/s. Techno Consult

Representatives of Bidders

- i) Representative of M/s. Crescent Construction Co.
- ii) Representative of M/s. Haji Syed Ameer & Brothers.
- iii) Representative of M/s. NLC South, HQ Proj Dte NLC (South).
- iv) Representative of M/s. Indusmens Corporation.
- v) Representative of M/s. A.A Quality Builders (Pvt) Ltd.
- vi) Representative of M/s. Sherjan Mosakhail & Sons.

3. At 2:00 p.m. all tender boxes sealed in presence of the contractor's representatives. At 2:30 p.m. sealed boxes were opened to taken out the bids. Seal of all bids were checked by the committee members, then opened publicly in presence of all members and representatives of Contractor Firms. As per Clause No.41-(5) of SPPRA Rules 2010 (Amended 2017). The name of the bidder and total amount of each bid, read loudly. Bid number also marked on each bid and signed by the committee member on bid title page, bid envelope, and BOQ pages of bid.

4. Attendance sheet forwarded for signing the attendance among all member and bidders.

5. The Convener of Committee encircle the rates and sign it and also mentioned the cutting / overwriting on bids, where found.

6. The Convener inform to all members that the evaluation of bids would be carried out in accordance with evaluation criteria from next meeting.

7. The meeting agenda completed, therefore the meeting ended at 6:45 p.m. with vote of thanks to and from the Chair.



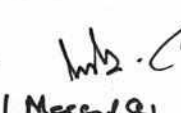


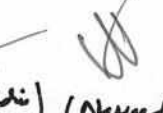

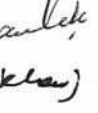


KARACHI WATER & SEWERAGE BOARD

Annexure-F


BID EVALUATION REPORT

| | | |
|-----|--|--|
| 1. | Name of Procuring Agency | Karachi Water & Sewerage Board |
| 2. | Tender Reference No. | SSPRA Serial No. 37819 |
| 3. | Tender Description/ Name of Work | Contract Package LS-01: "Laying of New RCC Pipe Sewer and other Allied Works along Lyari River(from Saba Cinema to Surjani)" |
| 4. | Method of Procurement | Single Stage one Envelop |
| 5. | Tender Published | In accordance with clause 28 (c) of SPPRA Rules 2010, (Amended 2017) NIT issued to prequalified contractors on 9 th October, 2018 for bidding in above mentioned tender. Please refer letter No. PD/S-III/KW&SB/2018/1402 Dated: 9-10-2018 communicated to SPPRA. |
| 6. | Totals bid Document Sold | 13 Nos. (Thirteen) |
| 7. | Total Bids Received | 03 Nos. (Three) |
| 8. | Technical Bid opening Date (if applicable) | Not applicable |
| 9. | No. of Bid Technically Qualified (if applicable) | Not applicable |
| 10. | Bid (s) Rejected | Nil |
| 11. | Financial Bid Opening Date | 29.10.2018 |

 (Amir Latif)
 (M. Roshan)
 (M. S. Qureshi)
 (A. Ejaz)
 (Shafiq)
 (Indira)
 (Naveed)
 (Rizwan)


12. Bid Evaluation Report


| S. No. | NAME OF FIRM/BIDDER | CORRECT COST OFFERED BY THE BIDDER | RANKING IN TERM OF COST | COMPARISON WITH ESTIMATED COST | REASON FOR ACCEPTANCE/ REJECTION | REMARKS |
|--------|-------------------------------|------------------------------------|-------------------------|--------------------------------|----------------------------------|---------|
| 1. | M/s Haji Syed Ameer & Broths. | RS..716419491 | 1 st Lowest | -6.61% | Accepted being responsive | - |
| 2. | M/s Crescent Construction Co. | RS..813,046,871 | 2 nd Lowest | 5.979% | Accepted being responsive | - |
| 3. | M/s NLC South | Rs..827,199,346.73 | 3 rd Lowest | 7.824% | Accepted being responsive | - |


Aamir Waqar
DPM S-III
Secretary/Member

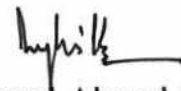

Shafiqat Manghan
AEE S-III
Member


Ganji M
(E&M) KW&SB
Member



Naveed Jabbar
A.O S-III
Member


Riaz Khan Ghori,
EE(Civil), KW&SB
Member


Mr. Imtiazuddin
S.E(Civil) PMU.PHED, GoS
Member


Athar Hussain Mirani
Add. Sec. (F) GoS.
Member


Maqsood Ahmed Shaikh
Se (KMC),
Member


M. Rashid
M/s TCI
Co-Opt Member


Hasan Ejaz Kazmi.
SE (E&M) KW&SB
Convener.

PROVIDING AND LAYING OF 1500 mm dia RCC PIPE LINE AND OTHER ALLIED
WORKS ALONG LYARI RIVER

FROM SABA CINEMA TO SURJANI (LS - 1)
ENGINEER'S ESTIMATE
SUMMARY OF BID COST

| BILL NR | TITLE | ENGINEER'S ESTIMATE | N.I.C SOUTH | HAJI SYED AMEER | CRESCENT CONS. CO. |
|--|---|---------------------|-------------|-----------------|--------------------|
| 1 | RCC PIPE LINE (1500 MM INTERNAL DIA) AND ALLIED WORKS | 689,247,660 | 733,415,138 | 628,858,000 | 736,858,000 |
| 2 | GENERAL WORKS | 61,491,000 | 75,135,000 | 71,800,000 | 57,700,000 |
| 3 | DAY WORKS | 1,390,051 | 2,429,614 | 1,714,050 | 2,546,775 |
| SUB TOTAL 1 TO 3 | | 752,128,711 | 810,979,752 | 702,372,050 | 797,104,775 |
| 2% PHYSICAL CONTINGENCIES FOR VARIATION/ EXTRA WORK INSTRUCTED BY THE ENGINEER. | | 15,042,574 | 16,219,595 | 14,047,441 | 15,942,096 |
| GRAND TOTAL | | 767,171,285 | 827,199,347 | 716,419,491 | 813,046,871 |
| | | % BELOW /ABOVE | 7,824597085 | -6,615444946 | 5,979836172 |

M. A. M.

SA

SA

**PROVIDING AND LAYING OF 1500 mm dia RCC PIPE LINE AND OTHER ALLIED WORKS
ALONG LYARI RIVER**

**FROM SABA CINEMA TO SURJANI (LS - 1)
ENGINEER'S ESTIMATE**

BILL NO - 1 - RCC PIPE LINE (1500 MM INTERNAL DIA) AND ALLIED WORKS

| S.No | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | NILC SOUTH | | % BELOW / ABOVE | RATE | HAUL SPEED M/R | | CRESCENT CONS. CO. | | % BELOW / ABOVE |
|-----------------------|--|------|----------|---------------------|-------------|------------|-------------|-----------------|-------|----------------|-----------------|--------------------|-----------------|-----------------|
| | | | | AMOUNT | RATE | AMOUNT | RATE | | | AMOUNT | % BELOW / ABOVE | RATE | % BELOW / ABOVE | |
| 1/1 | Excavation for Pipe line / Manhole / Structures in all kinds of soils (except hard rock) upto required depth and road pavements / foot paths including all operations of site clearing, grubbing, dewatering of sub soil water, surface water, sewage and other sources. Levelling, dressing and ramming the excavated surface and disposal of excavated surplus material to designated disposal areas within 25 Km including Backfilling with selected excavated material from any site location including breaking clods, dressing, watering, compacted in layer not Exceeding 150 mm thickness, all complete as per drawings, specifications and as directed by the Engineer. | cu m | 85,150 | 395 | 32,782,750 | 747 | 63,641,110 | 94 | 1,200 | 102,180,000 | 212 | 900 | 76,635,000 | 134 |
| 1/2 | Extra over Excavation for Breaking out Rock at any depth as per specification and as directed by the Engineer (Provisional Quantity) | cu m | 42,575 | 1,000 | 42,575,000 | 1,515 | 64,501,125 | 52 | 200 | 8,515,000 | (80) | 200 | 8,515,000 | (80) |
| 1/3 | Providing laying and jointing of various internal dia R.C.C pipes with Spigot Socket Joint including manufactured in accordance with A.S.T.M C-76, class II wall B including cost of sockets and rubber ring including external bituminous coating and internally PVC lining etc. complete as per specifications, drawings and as directed by the Engineer. | Rm | 4,800 | 90,484 | 434,323,200 | 68480 | 328,704,000 | (24) | 70000 | 336,000,000 | (23) | 80,000 | 384,000,000 | (12) |
| | | Rm | 250 | 10,800 | 2,700,000 | 4630 | 1,157,500 | (57) | 7000 | 1,750,000 | (35) | 12,000 | 3,000,000 | 11 |
| | | Rm | 250 | 15,650 | 3,912,500 | 7340 | 1,835,000 | (53) | 9000 | 2,250,000 | (42) | 18,000 | 4,500,000 | 15 |
| CARRIED TO COLLECTION | | | | | 516,293,450 | | 459,838,735 | (11) | | 450,695,000 | (13) | | 476,650,000 | (8) |

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 M. 
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 M 

PROVIDING AND LAYING OF 1500 mm dia RCC PIPE LINE AND OTHER ALLIED WORKS

ALONG LYARI RIVER

FROM SABA CINEMA TO SURJANI (LS - 1)

ENGINEER'S ESTIMATE

BILL NO- 1 :- RCC PIPE LINE (1500 MM INTERNAL DIA) AND ALLIED WORKS

| S.No | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | N.C SOUTH | | % BELOW / ABOVE | RATE | HAU SYED HR | | CRESCENT CONS CO. | | % BELOW / ABOVE |
|-----------------------|--|------|----------|---------------------|------------|-------------|------------|-----------------|-------|-------------|-----------------|-------------------|------------|-----------------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | | | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | |
| 1/4 | Providing and laying Selected Material from approved source for backfilling / bedding complete with breaking clods and compacted to 90 % ASHTO dry density complete as per drawings, specifications and as directed by the Engineer. | Rm | 250 | 20,300 | 5,075,000 | 10650 | 2,662,500 | (48) | 10000 | 2,500,000 | (51) | 25000 | 6,250,000 | 23 |
| | w) 600mm internal dia | Rm | 600 | 20,300 | 12,180,000 | 10650 | 6,390,000 | (48) | 10000 | 6,000,000 | (51) | 25000 | 15,000,000 | 23 |
| | w) 900mm internal dia | Rm | 250 | 44,600 | 11,150,000 | 22630 | 5,657,500 | (49) | 15000 | 3,750,000 | (66) | 40000 | 10,000,000 | (10) |
| | with 1200mm internal dia | Rm | 300 | 71,870 | 21,561,000 | 54100 | 16,230,000 | (25) | 64000 | 19,200,000 | (11) | 60000 | 18,000,000 | (17) |
| 1/5 | Providing and laying in plain cement concrete Class C-30/20 using sulphate resisting cement in Class A bedding for encasement of pipe including formwork, mixing, pouring, leveling, compacting, vibrating and curing, complete as per drawings, specification and as directed by the Engineer | cu:m | 36,570 | 700 | 25,599,000 | 1,641 | 60,010,273 | 134 | 700 | 25,569,000 | - | 500 | 18,285,000 | (29) |
| 1/6 | Providing and laying Class B bedding in Granular fill material from approved source for backfilling complete with breaking clods and compacted to 90 % ASHTO dry density complete as per drawings, specifications and as directed by the Engineer. | cu:m | 1,100 | 10,240 | 11,264,000 | 15,352 | 16,887,200 | 50 | 6,000 | 6,600,000 | (41) | 15,000 | 16,500,000 | 46 |
| 1/7 | Providing and laying Class S bedding in Granular fill material from approved source for backfilling complete with breaking clods and compacted to 90 % ASHTO dry density complete as per drawings, specifications and as directed by the Engineer. (Provisional Quantity) | cu:m | 7,000 | 1,750 | 12,250,000 | 2,319 | 16,231,320 | 33 | 1,800 | 12,600,000 | 3 | 1,800 | 12,600,000 | 3 |
| CARRIED TO COLLECTION | | | | 101,231,500 | | 126,920,868 | | 25 | | 77,356,000 | | | 99,095,000 | (2) |

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W. S. *[Signature]*

PROVIDING AND LAYING OF 1500 mm dia RCC PIPE LINE AND OTHER ALLIED WORKS

ALONG LYARI RIVER

FROM SABA CINEMA TO SURJANI (LS - 1)

ENGINEER'S ESTIMATE

BILL NO-1 :- RCC PIPE LINE (1500 MM INTERNAL DIA) AND ALLIED WORKS

| Sl.No | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | N.C SOUTH | | % BELOW / ABOVE | HAJI SYED MIR | | CRESCENT CONS. CO. | | % BELOW / ABOVE | |
|-----------------------|--|------|----------|---------------------|------------|-----------|------------|-----------------|---------------|------------|--------------------|--------|-----------------|-----|
| | | | | RATE | AMOUNT | RATE | AMOUNT | | RATE | AMOUNT | RATE | AMOUNT | | |
| 1/8 | Providing, laying and compacting Stone Soling / Filling in trench for bedding including levelling, rolling, grading and compacting complete as per drawings, specifications and as directed by the Engineer. (Provisional Quantity) | cum | 140 | 2550 | 357,000 | 3,232 | 452,480 | 27 | 800 | 112,000 | (69) | 8,000 | 1,120,000 | 214 |
| 1/9 | Providing and laying plain cement concrete Class 10/20, using sulphate resisting cement in situ concrete including formwork, mixing, pouring, levelling, compacting, vibrating and curing complete as per drawings, specifications and as directed by the Engineer. | cum | 55 | 9,250 | 508,750 | 7,676 | 422,180 | (17) | 10,000 | 550,000 | 8 | 12,000 | 660,000 | 30 |
| 1/10 | Providing and laying cast in situ R.C.C Class C-35A using ordinary Portland cement in Manhole/ Circular / Rectangular) and Footing to required level including formwork, mixing, pouring, levelling, compacting, vibrating and curing, complete as per drawings, specification and as directed by the Engineer. (Excluding the cost of Steel reinforcement.) | cum | 200 | 11,970 | 2,394,000 | 18685 | 3,737,000 | 56 | 18000 | 3,600,000 | 50 | 15000 | 3,000,000 | 25 |
| | i) in Walls | cum | 1,000 | 15,925 | 15,925,000 | 18685 | 18,685,000 | 17 | 16000 | 16,000,000 | 0 | 15000 | 15,000,000 | (6) |
| | ii) in Top Slab | cum | 68 | 14,600 | 992,800 | 18685 | 1,270,580 | 28 | 16000 | 1,088,000 | 10 | 16000 | 1,088,000 | 10 |
| CARRIED TO COLLECTION | | | | | 20,177,550 | | 24,567,240 | 22 | | 21,350,000 | 6 | | 20,668,000 | 3 |

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**PROVIDING AND LAYING OF 1600 mm dia RCC PIPE LINE AND OTHER ALLIED WORKS
ALONG LYARI RIVER**

**FROM SABA CINEMA TO SURJANI (LS - 1)
ENGINEER'S ESTIMATE**

BILL NO- 1 :- RCC PIPE LINE (1600 MM INTERNAL DIA) AND ALLIED WORKS

| S.No | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | N.C SOUTH | | % BELOW / ABOVE | RATE | HAUL SYED MIR | | % BELOW / ABOVE | CRESCENT CONS. CO. | | % BELOW / ABOVE |
|-----------------------|---|-------|----------|---------------------|------------|-----------|------------|-----------------|---------|---------------|--------|-----------------|--------------------|--------|-----------------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | | | AMOUNT | AMOUNT | | RATE | AMOUNT | |
| 1/11 | Providing, Placing and fixing in position Deformed steel reinforcement bars, conforming to BS 4449 or ASTM A-615 with minimum Yield strength of 420 N/mm ² including cutting, bending, binding, straightening, wastage, overlaps, chairs and Spig with binding wire complete, at any height and any floor as per design, drawings, specifications and as directed by the Engineer. | tonne | 152 | 155,000 | 23,560,000 | 151,500 | 23,028,000 | (2) | 160,000 | 24,320,000 | 3 | 155,000 | 23,560,000 | | |
| 1/12 | Providing and laying in plain cement concrete Class C-30/20 using sulphate resisting cement in Bedding of manhole including formwork, mixing, pouring, levelling, compacting, vibrating and curing, complete as per drawings, specification and as directed by the Engineer. | cu.m | 59 | 10,240 | 604,160 | 14,140 | 834,260 | 38 | 18,000 | 944,000 | 56 | 15,000 | 885,000 | | 46 |
| 1/13 | Providing and fixing approved quality corrosive resistant PVC Sheet with mechanical keys as internal lining to conduit structure and manhole shafts including all welding and sealing complete as per Drawings, specifications and as directed by the Engineer. | sq.m | 2,500 | 4,000 | 10,000,000 | 2,828 | 7,070,000 | (29) | 2,600 | 6,500,000 | (35) | 4,500 | 11,250,000 | | 13 |
| 1/14 | Providing and applying 2 coats of hot bitumen (or Approved equal) to the exterior surface of the concrete structure in contact with the earth as recommended by the manufacturer and as directed by the Engineer. | sq.m | 3,000 | 445 | 1,335,000 | 182 | 545,400 | (59) | 500 | 1,500,000 | 12 | 300 | 900,000 | | (33) |
| CARRIED TO COLLECTION | | | | | 35,499,160 | | 31,477,660 | (11) | | 33,254,000 | (9) | | 36,595,000 | | 3 |

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PROVIDING AND LAYING OF 1500 mm dia RCC PIPE LINE AND OTHER ALLIED WORKS

ALONG LYARI RIVER

FROM SABA CINEMA TO SURJANI (LS - 1)
ENGINEER'S ESTIMATE

BILL NO. 1 - - RCC PIPE LINE (1500 MM INTERNAL DIA) AND ALLIED WORKS

| S.No | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | NLC SOUTH | | % BELOW / ABOVE | HAU STEED MNR | | CRESCENT COHS. CO. | | % BELOW / ABOVE | |
|-----------------------|---|------|----------|---------------------|-----------|-----------|-----------|-----------------|---------------|-----------|--------------------|--------|-----------------|-----|
| | | | | RATE | AMOUNT | RATE | AMOUNT | | RATE | AMOUNT | RATE | AMOUNT | | |
| 1/15 | Restoration of Causeway including compaction where ever required, complete as per drawing, specification and as directed by the Engineer. (Provisional Quantity) | Sq.m | 450 | 3,500 | 1,575,000 | 1,818 | 818,100 | (48) | 1,500 | 675,000 | (57) | 5,000 | 2,250,000 | 43 |
| 1/16 | Providing, laying and jointing Pre cast Slab, Plank / Manhole cover of R.C.C Class C-35 including Galvanized lifting handle and Pvc lining, formwork, mixing, pouring, leveling, compacting, vibrating, curing, transporting, placing and jointing, complete as per drawings, specification and as directed by the Engineer (Including the cost of Steel reinforcement) | No | 30 | 2,500 | 75,000 | 12,825 | 378,750 | 405 | 8,000 | 240,000 | 220 | 5,000 | 150,000 | 100 |
| | (i) In Rectangular-Shape 750 X 750 mm | No | 70 | 2,200 | 154,000 | 15,150 | 1,060,500 | 588 | 8,000 | 560,000 | 264 | 5,000 | 350,000 | 127 |
| | (ii) In Circular Shape 600 mm dia | No | 30 | 25,000 | 750,000 | 30,250 | 907,485 | 21 | 20,000 | 600,000 | (20) | 50,000 | 1,500,000 | 100 |
| 1/17 | Providing and fixing 200 mm dia Vent (MS) pipe including cow and flange complete as per drawings, specifications and as directed by the Engineer. | No | 800 | 740 | 592,000 | 859 | 686,800 | 18 | 1,000 | 800,000 | 35 | 2,000 | 1,600,000 | 170 |
| 1/18 | Providing and fixing 20 mm Galvanized iron rungs for Foot steps at every 300 mm centre to centre complete as per drawings, specifications & as directed by the Engineer. | No | 800 | 740 | 592,000 | 859 | 686,800 | 18 | 1,000 | 800,000 | 35 | 2,000 | 1,600,000 | 170 |
| CARRIED TO COLLECTION | | | | | 3,146,000 | | 3,851,635 | 22 | | 2,875,000 | (9) | | 5,850,000 | 86 |

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PROVIDING AND LAYING OF 1500 mm dia RCC PIPE LINE AND OTHER ALLIED WORKS

ALONG LYARI RIVER

FROM SABA CINEMA TO SURJANI (LS - 1)

ENGINEER'S ESTIMATE

BILL NO-1 :- RCC PIPE LINE (1500 MM INTERNAL DIA) AND ALLIED WORKS

| S.No | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | N.C SOUTH | | % BELOW / ABOVE | RATE | HAJI SYED MIR | | % BELOW / ABOVE | CRESCENT CONS. CO. | | % BELOW / ABOVE |
|-----------------------|---|------|----------|---------------------|------------|-----------|------------|-----------------|-------|---------------|--------|-----------------|--------------------|--------|-----------------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | | | AMOUNT | AMOUNT | | AMOUNT | AMOUNT | |
| 1/19 | Extra over Item No - 1/1 for continued dewatering after excavation and during construction of RCC Conduit / laying of pipe and any other structures including bedding, placing reinforcement, Concrete and back filling complete as directed by the Engineer. | Rm | 4,800 | 650 | 3,120,000 | 1,010 | 4,848,000 | 55 | 1,000 | 4,800,000 | 54 | 6,000 | 28,800,000 | 823 | |
| | i) In Rcc Pipe 1500 mm internal dia | Rm | 1,350 | 600 | 810,000 | 1,010 | 1,363,500 | 68 | 100 | 135,000 | (83) | 6,000 | 8,100,000 | 900 | |
| | ii) In Rcc Pipe upto 500 mm dia | Rm | 550 | 600 | 330,000 | 1,010 | 555,500 | 68 | 100 | 55,000 | (83) | 6,000 | 3,300,000 | 900 | |
| 1/20 | Construct and maintain diversion of river instructed by the Engineer for the safe construction of R.C.C conduit and other allied works till the completion of works in all respect, as per drawing, specifications and as directed by the engineer. (Provisional Quantity) | Rm | 4,800 | 800 | 3,840,000 | 15,150 | 72,720,000 | 1,794 | 3,985 | 19,128,000 | 398 | 4,000 | 19,200,000 | 400 | |
| 1/21 | Construct and maintain the Access track (Eight meter wide) in river for transportation of materials, Plants and equipments including the movement of all kinds of traffic. The track shall be maintained and kept traffic worthy up to the end of defects liability period. | Rm | 4,800 | 1,000 | 4,800,000 | 1,515 | 7,272,000 | 52 | 4,000 | 19,200,000 | 300 | 8,000 | 38,400,000 | 700 | |
| CARRIED TO COLLECTION | | | | | 12,900,000 | | 86,759,000 | 573 | | 43,318,000 | 238 | | 97,200,000 | 658 | |

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**PROVIDING AND LAYING OF 1500 mm dia RCC PIPE LINE AND OTHER ALLIED WORKS
ALONG LYARI RIVER**

**FROM SABA CINEMA TO SURJANI (LS - 1)
ENGINEER'S ESTIMATE**

BILL NO- 1 :- RCC PIPE LINE (1500 MM INTERNAL DIA) AND ALLIED WORKS

| S.No. | PAGE NO | ENGINEER'S ESTIMATE | | | |
|--------------------|-------------------|---------------------|---------------------|-------------------------|------------------------------|
| | | AMOUNT | NLC SOUTH AMOUNT | HAJI SYED MIR AMOUNT | CRESCENT CONS. CO. AMOUNT |
| 1 | B.O.Q PAGE NO - 2 | 516,293,450 | 459,838,735 | 450,695,000 | 476,650,000 |
| 2 | B.O.Q PAGE NO - 3 | 101,231,500 | 126,920,868 | 77,356,000 | 99,095,000 |
| 3 | B.O.Q PAGE NO - 4 | 20,177,550 | 24,567,240 | 21,350,000 | 20,868,000 |
| 4 | B.O.Q PAGE NO - 5 | 35,499,160 | 31,477,660 | 33,264,000 | 36,595,000 |
| 5 | B.O.Q PAGE NO - 6 | 3,146,000 | 3,851,635 | 2,875,000 | 5,850,000 |
| | | 12,900,000 | 86,759,000 | 43,318,000 | 97,800,000 |
| CARRIED TO SUMMARY | | 689,247,660 | 733,415,138 | 628,858,000 | 736,858,000 |
| | | % BELOW / ABOVE | 6.408070794 | -8.761677914 | 6.907580941 |

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PROVIDING AND LAYING OF 1500 mm dia RCC PIPE LINE AND OTHER ALLIED WORKS
ALONG LYARI RIVER

FROM SABA CINEMA TO SURJANI (LS-11)
ENGINEER'S ESTIMATE

BILL NO. 2 - GENERAL WORKS

| S.No | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | N.C SOUTH | | % BELOW / ABOVE | HAU SYED MIR | | CHRESCENT CONS CO | | % BELOW / ABOVE | |
|-----------------------|--|----------|----------|---------------------|------------|-----------|------------|-----------------|--------------|------------|-------------------|-----------|-----------------|------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | | RATE | AMOUNT | RATE | AMOUNT | | |
| 2/1 | Providing and maintain Temporary Site Office (Area minimum 100 sqm) with the provision of Electricity, telephone, Gas, water and drainage system including the payment of all taxes and utility bills, with separate toilet facility, all as specified or as directed by the Engineer. | month | 36 | 74,500 | 2,682,000 | 150,000 | 5,400,000 | 101 | 300,000 | 10,800,000 | 303 | 200,000 | 7,200,000 | 168 |
| 2/2 | Provide furniture, fixtures and equipment, all as specified or as directed by the Engineer, for Temporary Site Office. (The furniture, fixtures and equipment shall become property of the Employer after completion of the project). | Lump Sum | Job | | 1,975,000 | 6,000,000 | 6,000,000 | 204 | 2,000,000 | 2,000,000 | 1 | 2,000,000 | 2,000,000 | 1 |
| 2/3 | Maintain all specified furniture, fixtures and office equipment alongwith regular supplies of office stationary and consumables including janitorial services of Temporary Site Office. | month | 36 | 100,000 | 3,600,000 | 150,000 | 5,400,000 | 50 | 200,000 | 7,200,000 | 100 | 150,000 | 5,400,000 | 50 |
| 2/4 | Provide Assistance to Engineer's, Support Staff as specified: 1) Site Office Support Staff 2) Survey Staff with equipment and transport 3) Laboratory Staff with transport. | month | 36 | 170,000 | 6,120,000 | 200,000 | 7,200,000 | 18 | 200,000 | 7,200,000 | 18 | 200,000 | 7,200,000 | 18 |
| 2/5 | Maintenance of Employer provided vehicles including comprehensive insurance, Driver and P.O.L as specified. (a) Suzuki (Cultus) Model 2013 petrol engine (b) Wagon R (Cultus) Model 2015 petrol engine | month | 36 | 355,000 | 13,140,000 | 280,000 | 9,360,000 | (29) | 250,000 | 9,000,000 | (32) | 150,000 | 5,400,000 | (59) |
| | | month | 36 | 330,000 | 11,880,000 | 400,000 | 14,400,000 | 21 | 250,000 | 9,000,000 | (24) | 150,000 | 5,400,000 | (55) |
| CARRIED TO COLLECTION | | | | | 44,293,000 | 95,000 | 3,420,000 | | | 54,600,000 | | | 50,240,000 | |
| | | | | | 2,448,000 | 95,000 | 3,420,000 | 40 | 70,000 | 2,520,000 | 3 | 100,000 | 3,600,000 | 47 |
| | | | | | 68,000 | 95,000 | 3,420,000 | 40 | 70,000 | 2,520,000 | 3 | 100,000 | 3,600,000 | 47 |
| | | | | | 2,448,000 | 95,000 | 3,420,000 | 40 | 70,000 | 2,520,000 | 3 | 100,000 | 3,600,000 | 47 |
| | | | | | 68,000 | 95,000 | 3,420,000 | 40 | 70,000 | 2,520,000 | 3 | 100,000 | 3,600,000 | 47 |
| | | | | | 44,293,000 | 95,000 | 54,600,000 | 23 | 70,000 | 2,520,000 | 13 | 100,000 | 3,600,000 | (10) |

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**PROVIDING AND LAYING OF 1500 mm dia RCC PIPE LINE AND OTHER ALLIED WORKS
ALONG LYARI RIVER**

**FROM SABA CINEMA TO SURJANI (LS - 1)
ENGINEER'S ESTIMATE**

BILL NO. 2 : GENERAL WORKS

| S.No | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | NIC SOUTH | | HAJI SYED MIR | | CRESCENT CONS. CO. | |
|-----------------------|--|-----------------|----------|---------------------|------------|-----------|------------|---------------|------------|--------------------|-----------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | RATE | AMOUNT | RATE | AMOUNT |
| 26 | Providing, and making available at all times vehicles, including comprehensive insurance and registration etc, for use of the Engineer and his staff and employer in accordance with the specifications and as directed by the Employer. (The vehicle shall become property of the Employer after completion of the project.) | No. | 1 | 3,290,000 | 3,290,000 | 2,600,000 | 2,600,000 | 4,000,000 | 4,000,000 | 2,500,000 | 2,500,000 |
| | (a) Suzuki jmy JLDX MT petrol engine with Latest AC Model or equivalent. | No. | 1 | 3,290,000 | 3,290,000 | 2,600,000 | 2,600,000 | 4,000,000 | 4,000,000 | 2,500,000 | 2,500,000 |
| | (b) Suzuki (Cultus) 1000 cc petrol engine with AC Latest Model or equivalent. | No. | 1 | 1,937,000 | 1,937,000 | 1,800,000 | 1,800,000 | 2,500,000 | 2,500,000 | 1,700,000 | 1,700,000 |
| | (c) Suzuki (High Roof) Balan 800 cc petrol engine with AC Latest Model or equivalent. | No. | 1 | 1,115,000 | 1,115,000 | 955,000 | 955,000 | 1,500,000 | 1,500,000 | 900,000 | 900,000 |
| 27 | Maintenance of vehicles including Driver, P.O.L and comprehensive insurance provided under item No-2/6 | month | 36 | 90,000 | 3,240,000 | 85,000 | 3,060,000 | 70,000 | 2,520,000 | 100,000 | 3,600,000 |
| | Item No-2/6 (a) | month | 36 | 78,000 | 2,808,000 | 85,000 | 3,060,000 | 70,000 | 2,520,000 | 100,000 | 3,600,000 |
| | Item No-2/6 (b) | month | 36 | 78,000 | 2,808,000 | 85,000 | 3,060,000 | 70,000 | 2,520,000 | 100,000 | 3,600,000 |
| | Item No-2/6 (c) | month | 36 | 78,000 | 2,808,000 | 85,000 | 3,060,000 | 70,000 | 2,520,000 | 100,000 | 3,600,000 |
| 28 | Location and protection of all public utility services encountered with in the works during the contract period including Telephone Cables, Water supply Lines, Sewers, Drains, Gas pipe lines, Oil refinery lines and Power Cables. | Job | Lump-Sum | 1,000,000 | 1,000,000 | 5,000,000 | 5,000,000 | 5,000,000 | 5,000,000 | 1,000,000 | 1,000,000 |
| 29 | Provisional Sum for payment to Utility Agencies for Re-location and / or their supervision charges where Required. | Provisional-Sum | | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 |
| CARRIED TO COLLECTION | | | | 17,198,000 | 20,535,000 | 19 | 21,560,000 | 25 | 17,900,000 | 4 | |

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PROVIDING AND LAYING OF 1500 mm dia RCC PIPE LINE AND OTHER ALLIED WORKS ALONG

LYARI RIVER

FROM SABA CINEMA TO SURJANI (LS - 1)

ENGINEER'S ESTIMATE

BILL NO- 2 :- GENERAL WORKS

| S.No. | PAGE NO | ENGINEER'S ESTIMATE | | | |
|--------------------|--------------------|---------------------|-----------------------|-------------------------|------------------------------|
| | | AMOUNT | N.L.C SOUTH AMOUNT | HAJI SYED MIR AMOUNT | CRESCENT CONS. CO. AMOUNT |
| 1 | B.O.Q PAGE NO - 9 | 44,293,000 | 54,600,000 | 50,240,000 | 39,800,000 |
| 2 | B.O.Q PAGE NO - 10 | 17,198,000 | 20,535,000 | 21,560,000 | 17,900,000 |
| CARRIED TO SUMMARY | | 61,491,000 | 75,135,000 | 71,800,000 | 57,700,000 |
| | | % BELOW/ABOVE | 22.18861297 | 16.76505505 | -6.165129856 |

PROVIDING AND LAYING OF 1500 mm dia RCC PIPE LINE AND OTHER ALLIED WORKS
ALONG LYARI RIVER
FROM SABA CINEMA TO SURJANI (LS - 1)
ENGINEER'S ESTIMATE
SCHEDULE OF DAY WORK RATES

1) LABOUR

| Item No. | Description | Unit | Nominal Quantity | ENGINEER'S ESTIMATE | | NLC SOUTH | | HAJ SYED MIR | | CRESCENT CONS. CO. | |
|---|--|------|------------------|---------------------|--------|-----------|--------|--------------|--------|--------------------|--------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | RATE | AMOUNT | RATE | AMOUNT |
| D101 | Ganger (Foreman) | Hr | 15 | 125 | 1,875 | 195 | 2,925 | 200 | 3,000 | 150 | 2,250 |
| D102 | Labourer | Hr | 25 | 100 | 2,500 | 110 | 2,750 | 120 | 3,000 | 105 | 2,625 |
| D103 | Plumber | Hr | 15 | 125 | 1,875 | 165 | 2,475 | 200 | 3,000 | 150 | 2,250 |
| D104 | Mason | Hr | 15 | 125 | 1,875 | 330 | 4,950 | 200 | 3,000 | 200 | 3,000 |
| D105 | Carpenter | Hr | 15 | 125 | 1,875 | 300 | 4,500 | 200 | 3,000 | 200 | 3,000 |
| D106 | Steel Work Erector | Hr | 15 | 125 | 1,875 | 300 | 4,500 | 200 | 3,000 | 200 | 3,000 |
| D107 | Surveyor | Hr | 15 | 125 | 1,875 | 250 | 3,750 | 200 | 3,000 | 600 | 9,000 |
| D108 | Driver for vehicle up to 10 tons | Hr | 15 | 125 | 1,875 | 150 | 2,250 | 100 | 1,500 | 150 | 2,250 |
| D109 | Operator for Excavator, Dragline, shovel or crane | Hr | 15 | 125 | 1,875 | 200 | 3,000 | 100 | 1,500 | 300 | 4,500 |
| D110 | Operator for tractor, (tracked) with dozer blade or ripper | Hr | 15 | 125 | 1,875 | 170 | 2,550 | 100 | 1,500 | 225 | 3,375 |
| D111 | Welder | Hr | 15 | 125 | 1,875 | 250 | 3,750 | 200 | 3,000 | 225 | 3,375 |
| SUB TOTAL | | | | | 21,250 | | 37,400 | | 28,500 | | 38,625 |
| Add percent adjustment for Contractor's overhead, profit, etc. | | | | 25% | 5,313 | | 9,350 | | 8,550 | | 15,450 |
| Total for Day work: Labour: (Carried forward to Day work Summary) | | | | | 26,563 | | 46,750 | | 37,050 | | 54,075 |






PROVIDING AND LAYING OF 1500 mm dia RCC PIPE LINE AND OTHER ALLIED WORKS
ALONG LYARI RIVER
FROM SABA CINEMA TO SURJANI (LS - 1)
ENGINEER'S ESTIMATE
SCHEDULE OF DAY WORK RATES

1.) MATERIAL

| Item No. | Description | Unit | Nominal Quantity | ENGINEER'S ESTIMATE | | NLC SOUTH | | HAJI SYED MIR | | CRESCENT CONS. CO. | |
|---|--|-------|------------------|---------------------|---------|-----------|-----------|---------------|---------|--------------------|-----------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | RATE | AMOUNT | RATE | AMOUNT |
| D201 | Cement, ordinary Portland or equivalent in bags | M.Ton | 2 | 11,600 | 23,200 | 12,805 | 25,610 | 12,000 | 24,000 | 13,000 | 26,000 |
| D202 | Sulphate resisting cement | M.Ton | 2 | 12,000 | 24,000 | 12,935 | 25,870 | 12,500 | 25,000 | 13,500 | 27,000 |
| D203 | Mild Steel reinforcing bar upto 16mm diameter to BS 4449 or equivalent | M.Ton | 2 | 95,000 | 190,000 | 119,600 | 239,200 | 105,000 | 210,000 | 110,000 | 220,000 |
| D204 | Fine aggregate for concrete | Cum | 100 | 777 | 77,700 | 1,435 | 143,488 | 1,200 | 120,000 | 2,200 | 220,000 |
| D205 | Coarse aggregate | Cum | 100 | 1,130 | 113,000 | 1,435 | 143,488 | 1,200 | 120,000 | 2,000 | 200,000 |
| D206 | Gabion with stone fill | Cum | 50 | 4,238 | 211,900 | 2,826 | 141,280 | 1,800 | 90,000 | 300 | 15,000 |
| D207 | M.S. Plate upto 10mm thick grade x 42, API | M.Ton | 1 | 105,000 | 105,000 | 200,000 | 200,000 | 140,000 | 140,000 | 120,000 | 120,000 |
| D208 | Granular Sub base | Cum | 30 | 883 | 26,490 | 1,033 | 30,993 | 1,200 | 36,000 | 2,250 | 67,500 |
| SUB TOTAL | | | | | 771,290 | | 949,929 | | 765,000 | | 895,500 |
| Add percent adjustment for Contractor's overhead, profit, etc. | | | | 25% | 192,823 | 25% | 237,482 | 30% | 229,500 | 40% | 358,200 |
| Total for Day work: Material: (Carried forward to Day work Summary) | | | | | 964,113 | | 1,187,411 | | 994,500 | | 1,253,700 |






PROVIDING AND LAYING OF 1500 mm dia RCC PIPE LINE AND OTHER ALLIED WORKS
ALONG LYARI RIVER
FROM SABA CINEMA TO SURJANI (LS - 1)
ENGINEER'S ESTIMATE
SCHEDULE OF DAY WORK RATES

| Item No. | Description | Unit | Nominal Quantity | ENGINEER'S ESTIMATE | | NLC SOUTH | | HALL SYED MIR | | CRESCENT CONS. CO. | |
|---|--|------|------------------|---------------------|---------|-----------|-----------|---------------|---------|--------------------|-----------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | RATE | AMOUNT | RATE | AMOUNT |
| D301 | Excavator and Back Hoes (with or with | Hr | 15 | 2,000 | 30,000 | 2,875 | 43,125 | 3,000 | 45,000 | 3,500 | 52,500 |
| | 1. JCB-III or equivalent. | Hr | 15 | 2,200 | 33,000 | 2,875 | 43,125 | 3,000 | 45,000 | 4,500 | 67,500 |
| | 2. CAT 225 or equivalent | Hr | 15 | | | | | | | | |
| D302 | Tractor (tracked) including bull or angle | Hr | 15 | 800 | 12,000 | 2,300 | 34,500 | 1,000 | 15,000 | 5,000 | 75,000 |
| | 1. Up-to and including 150HP | Hr | 15 | 1,000 | 15,000 | 2,530 | 37,950 | 1,000 | 15,000 | 5,500 | 82,500 |
| | 2. Over 150 to 200 HP | Hr | 15 | | | | | | | | |
| | 3. Over 200 to 250 HP | Hr | 15 | 1,200 | 18,000 | 2,875 | 43,125 | 1,000 | 15,000 | 7,000 | 105,000 |
| D303 | Tractor with ripper: | Hr | 15 | | | | | | | | |
| | 1. Up-to and including 200HP | Hr | 15 | 1,500 | 22,500 | 4,025 | 60,375 | 1,000 | 15,000 | 1,500 | 22,500 |
| | 2. Over 200 to 250 HP | Hr | 15 | 1,800 | 27,000 | 5,175 | 77,625 | 1,000 | 15,000 | 2,000 | 30,000 |
| D304 | Wheel loader upto 3m ³ | Hr | 15 | 2,200 | 33,000 | 4,258 | 63,870 | 2,000 | 30,000 | 5,000 | 75,000 |
| D305 | Dump Truck | Hr | 15 | 1,500 | 22,500 | 1,910 | 28,650 | 2,000 | 30,000 | 3,000 | 45,000 |
| D306 | Water Tanker | Hr | 15 | 1,000 | 15,000 | 1,522 | 22,830 | 2,000 | 30,000 | 1,000 | 15,000 |
| D307 | Hand Compactor | Hr | 15 | 500 | 7,500 | 2,619 | 39,285 | 1,000 | 15,000 | 1,000 | 15,000 |
| D308 | Batching Plant | Hr | 15 | 1,500 | 22,500 | 10,590 | 158,850 | 5,000 | 75,000 | 6,000 | 90,000 |
| D309 | Welding Plant | Hr | 15 | 1,000 | 15,000 | 3,450 | 51,750 | 2,000 | 30,000 | 1,000 | 15,000 |
| D310 | Generator upto 55 KVA | Hr | 15 | 1,000 | 15,000 | 1,725 | 25,875 | 2,000 | 30,000 | 3,000 | 45,000 |
| D311 | Dewatering Pumps | Hr | 15 | 800 | 12,000 | 7,475 | 112,125 | 2,000 | 30,000 | 4,000 | 60,000 |
| D312 | Jack Hammer | Hr | 15 | 800 | 12,000 | 5,494 | 82,417 | 3,000 | 45,000 | 3,000 | 45,000 |
| D313 | Compressor | Hr | 15 | 500 | 7,500 | 2,059 | 30,885 | 3,000 | 45,000 | 3,000 | 45,000 |
| SUB TOTAL | | | | | 319,500 | | 956,362 | | 525,000 | | 885,000 |
| Add percent adjustment for Contractor's overhead, profit, etc. | | | | 25% | 79,875 | 25% | 239,091 | 30% | 157,500 | 40% | 354,000 |
| Total for Day work: Construction Plant: (Carried forward to Day work Summary) | | | | | 399,375 | | 1,195,453 | | 682,500 | | 1,239,000 |






PROVIDING AND LAYING OF 1500 mm dia RCC PIPE LINE AND OTHER ALLIED WORKS
 ALONG LYARI RIVER
 FROM SABA CINEMA TO SURJANI (LS - 1)
 ENGINEER'S ESTIMATE
 SCHEDULE OF DAY WORK RATES

Summary (Day-Work)

| Number | Description | ENGINEER'S ESTIMATE | | | |
|---|--|---------------------|---------------------|-------------------------|------------------------------|
| | | AMOUNT | NLC SOUTH AMOUNT | HAJI SYED MIR AMOUNT | CRESCENT CONS. CO. AMOUNT |
| 1 | Total for Day-work: Labour | 26,563 | 46,750 | 37,050 | 54,075 |
| 2 | Total for Day-work: Material | 964,113 | 1,187,411 | 994,500 | 1,253,700 |
| 3 | Total for Day-work: Construction Plant | 399,375 | 1,195,453 | 682,500 | 1,239,000 |
| Total for Day work : (Carried forward to Summary of cost) | | 1,390,051 | 2,429,614 | 1,714,050 | 2,546,775 |
| | | % BELOW/ABOVE | 74.78596109 | 23.30842537 | 83.21450076 |

DW-1

(Amin Wagan)

(Riaz Khan)

(Shafiq Hussain)

(Muhammad Sajid)

(Hassan)



KARACHI WATER & SEWERAGE BOARD

Annexure-F

BID EVALUATION REPORT

| | | |
|-----|--|--|
| 1. | Name of Procuring Agency | Karachi Water & Sewerage Board |
| 2. | Tender Reference No. | Serial No. 37819 |
| 3. | Tender Description/ Name of Work | Contract Package LS-02: "Construction of New RCC Conduit, Interceptors and other Allied Works along Lyari River(From Metrovill to Saba Cinema)" |
| 4. | Method of Procurement | Single Stage one Envelop |
| 5. | Tender Published | In accordance with clause 28 (c) of SPPRA Rules 2010, (Amended 2017) NIT issued to prequalified contractors on 9 th October, 2018 for bidding in above mentioned tender. Please refer letter No. PD/S-III/KW&SB/2018/1402 Dated: 9-10-2018 communicated to SPPRA. |
| 6. | Totals bid Document Sold | 13 Nos. (Thirteen) |
| 7. | Total Bids Received | 02 Nos. (Two) |
| 8. | Technical Bid opening Date (if applicable) | Not applicable |
| 9. | No. of Bid Technically Qualified (if applicable) | Not applicable |
| 10. | Bid (s) Rejected | Nil |
| 11. | Financial Bid Opening Date | 29.10.2018 |

(Hasean Ejaz
Kazmi)

(Navaz
Jabbor)

(Amin Wazir)

(Gagji)

(Raz Khan)

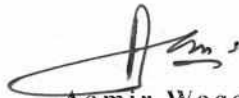
(M. Rashid)

(Imtiazuddin)

(Shehzad
Hussain)

12. Bid Evaluation Report

| S. No | NAME OF FIRM/BIDDER | CORRECT COST OFFERED BY THE BIDDER | RANKING IN TERM OF COST | COMPARISON WITH ESTIMATED COST | REASON FOR ACCEPTANCE / REJECTION | REMARKS |
|-------|-------------------------------|------------------------------------|-------------------------|--------------------------------|-----------------------------------|---------|
| 1. | M/s Haji Syed Ameer & Broths. | Rs.. 1024,841,889 | 1 st Lowest | -3.7% | Accepted being responsive | - |
| 2. | M/s NLC South | Rs.. 1355,386,603 | 2 nd Lowest | +27.35 | Accepted being responsive | - |


Aamir Waqar
 DPM S-III
 Secretary/Member

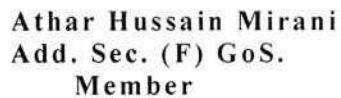

Shafqat Manghan
 AEE S-III
 Member

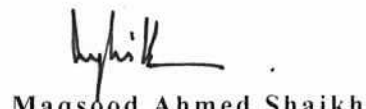

Ganji DPM
 (E&M) KW&SB
 Member


Naveed Jabbar
 A.O S-III
 Member


Riaz Khan Ghori,
 EE(Civil), KW&SB
 Member


Mr. Imtiazuddin
 S.E(Civil) PMU.PHED, GoS
 Member


Athar Hussain Mirani
 Add. Sec. (F) GoS.
 Member


Maqsood Ahmed Shaikh
 Se (KMC),
 Member


M. Rasheed
 M/s TCI
 Co-Opt Member



Hasan Ejaz Kazmi.
 SE (E&M) KW&SB
 Convener.

CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER

**FROM METROVIL TO SABA CINEMA (LS - 2)
ENGINEER'S ESTIMATE
SUMMARY OF BID COST**

| BILL NR | TITLE | ENGINEER'S ESTIMATE | HAJI SYED MIR | NLC SOUTH |
|--|------------------------------|---------------------|---------------|---------------|
| 1 | RCC CONDUIT AND ALLIED WORKS | 976,544,887 | 926,552,900 | 1,247,825,781 |
| 2 | GENERAL WORKS | 65,451,000 | 76,480,000 | 78,555,000 |
| 3 | DAY WORKS | 1,390,051 | 1,714,050 | 2,429,614 |
| SUB TOTAL 1 TO 3 | | 1,043,385,938 | 1,004,746,950 | 1,328,810,395 |
| 2% PHYSICAL CONTINGENCIES FOR VARIATION/ EXTRA WORK INSTRUCTED BY THE ENGINEER. | | 20,867,719 | 20,094,939 | 26,576,208 |
| GRAND TOTAL | | 1,064,253,657 | 1,024,841,889 | 1,355,386,603 |
| | | % BELOW /ABOVE | -3.703230686 | 27.3555974 |








**CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG
LYARI RIVER**

**FROM METROVIL TO SABA CINEMA (LS - 2)
ENGINEER'S ESTIMATE**

BILL NO- 1 - RCC CONDUIT AND ALLIED WORKS

| S.No. | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | HAJI SYED MIR | | NLC SOUTH | | | | | | |
|-----------------------|---|------|----------|---------------------|-------------|---------------|-------------|------------------|---------|-------------|------------------|--|--|--|
| | | | | RATE | AMOUNT | RATE | AMOUNT | % BELOW OR ABOVE | RATE | AMOUNT | % BELOW OR ABOVE | | | |
| 1/1 | Excavation for RCC Conduit / Pipe / Manhole / Structures in all kinds of soils / material (except hard rock) and road pavements / foot paths including all operations of site clearing, grubbing, dewatering of sub soil water, surface water, sewage and other sources. Leveling, dressing and ramming the excavated surface and disposal of excavated surplus material to designated disposal areas within 25 Km including Backfilling around and top of the conduit with selected excavated material from any site location including breaking clods, dressing, watering, compacted in layer not Exceeding 150 mm thickness, all complete as per drawings, specifications and as directed by the Engineer. | | | | | | | | | | | | | |
| | i) Up to 5 meter Depth | cu.m | 113,750 | 385 | 43,793,750 | 1000 | 113,750,000 | 160 | 1769,78 | 201,312,475 | 360 | | | |
| | ii) Depth above 5.01 meter | cu.m | 1,063 | 424 | 450,712 | 2000 | 2,126,000 | 372 | 2036,34 | 2,164,629 | 380 | | | |
| 1/2 | Extra over Excavation for Breaking out Rock at any depth as per specification and as directed by the Engineer. (Provisional Quantity) | cu.m | 60,322 | 1,000 | 60,322,000 | 200 | 12,064,400 | (80) | 1515 | 91,387,830 | 52 | | | |
| 1/3 | Providing and laying Selected Material from approved source for backfilling / bedding complete with breaking clods and compacted to 90 % AASHTO dry density complete as per drawings, specifications and as directed by the Engineer. (Provisional Quantity) | cu.m | 54,491 | 700 | 38,143,700 | 300 | 16,347,300 | (57) | 1640,97 | 89,418,096 | 134 | | | |
| CARRIED TO COLLECTION | | | | | 142,710,162 | | 144,287,700 | 1 | | 384,283,031 | 169 | | | |

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**CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG
LYARI RIVER**


**FROM METROVIL TO SABA CINEMA (LS - 2)
ENGINEER'S ESTIMATE**

BILL NO-1 :- RCC CONDUIT AND ALLIED WORKS

| S.No | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | HAJI SYED MIR | | | NLC SOUTH | | |
|-----------------------|---|------|----------|---------------------|-------------|---------------|-------------|------------------|-----------|-------------|------------------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | % BELOW OR ABOVE | RATE | AMOUNT | % BELOW OR ABOVE |
| 1/4 | Providing and laying Granular fill (Granular Bedding) material from approved source for backfilling / bedding complete with breaking clods and compacted to 90 % AASHTO dry density complete as per drawings, specifications and as directed by the Engineer. (Provisional Quantity) | cum | 1,500 | 1,740 | 2,610,000 | 800 | 1,200,000 | (54) | 2318.76 | 3,478,140 | 33 |
| 1/5 | Providing, laying and compacting Stone Soling / Pitching / filling in trench for bedding or where ever required including leveling, rolling, grading and compacting complete as per drawings, specifications and as directed by the Engineer. (Provisional Quantity) | cum | 1,925 | 2,550 | 4,908,750 | 500 | 962,500 | (80) | 2318.76 | 4,463,613 | (9) |
| 1/6 | Providing and laying plain cement concrete Class 10/20, using sulphate resisting cement in situ concrete including formwork, mixing, pouring, leveling, compacting, vibrating and curing complete as per drawings, specifications and as directed by the Engineer. | cum | 1,550 | 9,025 | 13,988,750 | 10000 | 15,500,000 | 11 | 7676 | 11,897,800 | (15) |
| 1/7 | Providing and laying cast in situ R.C.C Class C-35A using ordinary Portland cement in Conduit to required level including formwork, mixing, pouring, leveling, compacting, vibrating and curing, complete as per drawings, specification and as directed by the Engineer. (Excluding the cost of Steel reinforcement.) | cum | 6,425 | 13,150 | 84,488,750 | 16000 | 102,800,000 | 22 | 18685 | 120,051,125 | 42 |
| | ii) In Walls and Top Slab | cum | 7,860 | 16,900 | 132,834,000 | 16000 | 125,760,000 | (5) | 18685 | 146,864,100 | 11 |
| CARRIED TO COLLECTION | | | | | 238,830,250 | | 246,222,500 | 3 | | 286,754,778 | 20 |







**CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG
LYARI RIVER**

**FROM METROVIL TO SABA CINEMA (LS - 2)
ENGINEER'S ESTIMATE**

BILL NO - 1 : - RCC CONDUIT AND ALLIED WORKS

| S.No. | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | HAJI SYED MIR | | NLC SOUTH | | |
|-----------------------|--|-------|----------|---------------------|-------------|---------------|-------------|-----------|-------------|------------------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | RATE | AMOUNT | % BELOW OR ABOVE |
| 1/8 | Providing and laying cast in situ R.C.C Class C-35A using ordinary Portland cement in Manhole (Circular / Rectangular) to required level including formwork, mixing, pouring, leveling, compacting, vibrating and curing, complete as per drawings, specification and as directed by the Engineer. (Excluding the cost of Steel reinforcement.) | cu.m | 50 | 14,670 | 733,500 | 8000 | 400,000 | 18685 | 934,250 | 27 |
| | i) In Base Slab | cu.m | 1,085 | 16,965 | 18,407,025 | 12000 | 13,020,000 | 18685 | 20,273,225 | 10 |
| | ii) In Walls | cu.m | 60 | 15,625 | 937,500 | 16000 | 960,000 | 18685 | 1,121,100 | 20 |
| 1/9 | Providing and laying in situ R.C.C Class C-35A using ordinary Portland cement in Preliminary treatment structure including formwork, mixing, pouring, leveling, compacting, vibrating and curing, complete as per drawings, specification and as directed by the Engineer. (Excluding the cost of Steel reinforcement) | cu.m | 16 | 14,670 | 234,720 | 16000 | 256,000 | 18685 | 298,960 | 27 |
| | i) In Footing and Base Slab | cu.m | 37 | 16,965 | 627,705 | 16000 | 592,000 | 18685 | 691,345 | 10 |
| | ii) In Walls | cu.m | | | | | | | | |
| 1/10 | Providing, Placing and fixing in position Deformed steel reinforcement bars, conforming to BS 4449 or ASTM A-615 with minimum Yield strength of 420 N/mm ² including cutting, bending, binding, straightening, wastage, overlaps, chairs and tying with binding wire complete, at any height and any floor as per design, drawings, specifications and as directed by the Engineer. | tonne | 1,864 | 155,000 | 288,920,000 | 155000 | 288,920,000 | 151500 | 282,396,000 | (2) |
| CARRIED TO COLLECTION | | | | | 309,860,450 | | 304,148,000 | | 305,714,880 | (1) |



 B.O.O - Page No - 4

**CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG
LYARI RIVER**

**FROM METROVIL TO SABA CINEMA (LS-2)
ENGINEER'S ESTIMATE**

BILL NO-1 :- RCC CONDUIT AND ALLIED WORKS

| S.No. | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | HAJI SYED MIR | | N.I.C SOUTH | | | |
|-----------------------|---|------|----------|---------------------|-------------|---------------|-------------|------------------|-------|------------|------------------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | % BELOW OR ABOVE | RATE | AMOUNT | % BELOW OR ABOVE |
| 1/11 | Providing and laying in plain cement concrete Class C-30/20 using sulphate resisting cement in Encasement of pipe / Benching of Circular manhole / treatment structures or where ever required including formwork, mixing, pouring, leveling, compacting, vibrating and curing, complete as per drawings, specification and as directed by the Engineer | cu.m | 375 | 10,230 | 3,836,250 | 6000 | 2,250,000 | (41) | 14140 | 5,302,500 | 38 |
| 1/12 | Providing and applying 2 coats of hot bitumen (or Approved equal) at contraction joint and to the exterior surface of the concrete structure in contact with the earth as recommended by the manufacturer and as directed by the Engineer. | sq.m | 42,100 | 440 | 18,524,000 | 1250 | 52,625,000 | 184 | 1818 | 7,653,780 | (59) |
| 1/13 | Restoration of Causeway including compaction where ever required, complete as per drawing, specification and as directed by the Engineer. (Provisional Quantity) | sq.m | 450 | 3,500 | 1,575,000 | 1500 | 675,000 | (57) | 1818 | 818,100 | (48) |
| 1/14 | Providing and fixing approved quality corrosive resistant PVC Sheet with mechanical keys as internal lining to conduit structure and manhole shafts including all welding and sealing and PVC joint strip at expansion joint, Complete as per Drawings, specifications and as directed by the Engineer. | sq.m | 22,850 | 4,000 | 91,400,000 | 2600 | 59,410,000 | (35) | 2525 | 57,696,250 | (37) |
| CARRIED TO COLLECTION | | | | | 115,335,250 | | 114,960,000 | (0) | | 71,470,630 | (38) |






CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG






LYARI RIVER

FROM METROVIL TO SABA CINEMA (LS - 2)

ENGINEER'S ESTIMATE

BILL NO- 1: - RCC CONDUIT AND ALLIED WORKS

| S No. | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | HAJI SYED MIR | | NLC SOUTH | | | |
|-----------------------|---|------|----------|---------------------|------------|---------------|------------|------------------|------|------------|------------------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | % BELOW OR ABOVE | RATE | AMOUNT | % BELOW OR ABOVE |
| 1/15 | Providing, laying and Filling Elastomeric joint sealant compound 25mm X 20 mm including board protection and approved joint filler where ever required, Complete as per specifications, drawings and as directed by the Engineer. | Rm | 11,560 | 590 | 6,879,400 | 1000 | 11,560,000 | 69 | 1212 | 14,131,920 | 105 |
| | | | | 590 | 109,150 | 1000 | 185,000 | 69 | 1212 | 224,220 | 105 |
| | | | | 590 | 386,450 | 1000 | 655,000 | 69 | 1212 | 793,860 | 105 |
| | | | | 590 | 109,150 | 1000 | 185,000 | 69 | 1212 | 224,220 | 105 |
| 1/16 | Providing and Fixing 250 mm wide type PVC Water Stopper for Expansion joint, in RCC Conduit complete as per specifications, drawings and as directed by the Engineer. | Rm | 185 | 1,300 | 240,500 | 2000 | 370,000 | 54 | 1111 | 205,535 | (15) |
| | | | | 1,300 | 426,400 | 2000 | 656,000 | 54 | 1111 | 364,408 | (15) |
| | | | | 1,300 | 240,500 | 2000 | 370,000 | 54 | 1111 | 205,535 | (15) |
| 1/17 | Providing and Fixing expansion joint, in RCC Conduit, including 20 mm dia steel bar Provided 500mm centre to centre and encase with 25 mm dia uPVC pipe with compressible filler. Complete as per specifications, drawings and as directed by the Engineer. | Rm | 185 | 3,600 | 666,000 | 2,000 | 370,000 | (44) | 1515 | 280,275 | (56) |
| CARRIED TO COLLECTION | | | | 9,057,550 | 14,451,000 | 60 | 16,429,973 | 81 | | | |

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CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG

LYARI RIVER

FROM METROVIL TO SABA CINEMA (LS - 2)
ENGINEER'S ESTIMATE

BILL NO- 1 :- RCC CONDUIT AND ALLIED WORKS

| S.No | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | HAJ SYED MIR | | % BELOW OR ABOVE | N.L.C SOUTH | | % BELOW OR ABOVE | | | |
|---|---|------|----------|-----------------------------------|------------|--------------|------------|------------------|-------------|------------|------------------|----------|------------|------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | | RATE | AMOUNT | | | | |
| 1/18 | Providing laying and jointing of various internal dia R.C.C pipes with Spigot Socket Joint including, manufactured in accordance with A.S.T.M C-76, class II wall B including cost of sockets and rubber ring including external bituminous coating and internally PVC lining etc. complete as per specifications, drawings and as directed by the Engineer. | | | 200 | 10,800 | 2,160,000 | 7000 | 1,400,000 | (35) | 3412.79 | 682,558 | (68) | | |
| | | | | i) 300mm internal dia | Rm | 200 | 15,650 | 3,130,000 | 9000 | 1,800,000 | (42) | 5637.82 | 1,127,564 | (64) |
| | | | | ii) 450mm internal dia | Rm | 1,000 | 20,300 | 20,300,000 | 13000 | 13,000,000 | (36) | 8651.66 | 8,651,660 | (57) |
| | | | | iii) 600mm internal dia | Rm | 250 | 20,300 | 5,075,000 | 15000 | 3,750,000 | (26) | 8651.66 | 2,162,915 | (57) |
| | | | | iv) 800mm internal dia | Rm | 500 | 44,600 | 22,300,000 | 18000 | 9,000,000 | (60) | 19774.79 | 9,887,395 | (56) |
| | | | | v) 900mm internal dia | Rm | 750 | 71,870 | 53,902,500 | 20000 | 15,000,000 | (72) | 40009.13 | 30,006,848 | (44) |
| | | | | vi) 1200mm internal dia | Rm | 250 | 100,000 | 25,000,000 | 30000 | 7,500,000 | (70) | 60014.2 | 15,003,550 | (40) |
| | | | | vii) 1500mm internal dia | Rm | 40 | 2,500 | 100,000 | 10000 | 400,000 | 300 | 12625 | 505,000 | 405 |
| | | | | i) In Rectangular Shape | No | 20 | 2,500 | 50,000 | 10000 | 200,000 | 300 | 18180 | 363,600 | 627 |
| | | | | ii) In Circular Shape 750 mm dia | No | 45 | 2,200 | 99,000 | 10000 | 450,000 | 355 | 15150 | 681,750 | 589 |
| | | | | iii) In Circular Shape 600 mm dia | No | 19 | 4,500 | 85,500 | 10000 | 190,000 | 122 | 4040 | 76,760 | (10) |
| iv) In Preliminary treatment structure (Precast Planks) | No | | | | | | | | | | | | | |
| 1/19 | Providing, laying and jointing Pre cast Slab / Manhole cover of R.C.C Class C-35/20 including Galvanized lifting handle and Pvc lining, formwork, mixing, pouring, leveling, compacting, vibrating, curing, transporting, placing and jointing, complete as per drawings, specification and as directed by the Engineer (Including the cost of Steel reinforcement.) | | | | | | | | | | | | | |
| | | | | 132,202,000 | 52,690,000 | (60) | 69,149,600 | (48) | | | | | | |
| CARRIED TO COLLECTION | | | | | | | | | | | | | | |

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CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG

LYARI RIVER

FROM METROVIL TO SABA CINEMA (LS - 2)
ENGINEER'S ESTIMATE

BILL NO- 1 :- RCC CONDUIT AND ALLIED WORKS

| S.No. | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | HAJ SYED MIR | | N.C SOUTH | | | | |
|-------|---|------|----------|---------------------|-----------|--------------|-----------|------------------|---------|-----------|------------------|-------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | % BELOW OR ABOVE | RATE | AMOUNT | % BELOW OR ABOVE | |
| 1/20 | Providing and Fixing Stain less Steel Screen for Preliminary treatment structure complete as per Drawings, specifications and as directed by the Engineer. | | | | | | | | | | | |
| 1/21 | Providing and fixing 20 mm dia Galvanized iron rungs for Foot steps at every 300 mm centre to centre complete as per drawings, specifications & as directed by the Engineer. | No. | 1 | 13,500 | 13,500 | 500000 | 500,000 | 3,604 | 149,480 | 1,007 | 1,007 | 1,007 |
| | i) Size 1400mm X 1000mm | No. | 2 | 18,800 | 37,600 | 500000 | 1,000,000 | 2,560 | 159,580 | 749 | 749 | 749 |
| | ii) Size 2000mm X 1000mm | No. | | | | | | | | | | |
| 1/22 | Providing and fixing 200 mm dia Vent (MS) pipe including cowl and flange complete as per drawings, specifications and as directed by the Engineer. | No. | 40 | 25,000 | 1,000,000 | 20000 | 800,000 | (20) | 30249.5 | 1,209,980 | 21 | 21 |
| 1/23 | Cutting into existing conduit manholes for connecting various dia sewer lines making good to existing conduit wall, pipe and rendering etc. Complete as directed by the Engineer. | No. | 12 | 5,000 | 60,000 | 50000 | 600,000 | 900 | 25250 | 303,000 | 405 | 405 |
| 1/24 | Diversion of Sewage Flows in drains for construction of pre treatment Structures and on completion of structures re-direct in the flows as per drawings and as directed by the Engineer. | Job. | 3 | 70,000 | 210,000 | 500000 | 1,500,000 | 614 | 252500 | 757,500 | 261 | 261 |
| 1/25 | Extra over Item No - 1/1 for continued dewatering after excavation and during construction of RCC Conduit / laying of pipe and any other structures including bedding, placing reinforcement, Concrete and back filling complete as directed by the Engineer. | | | | | | | | | | | |
| | i) In R.C.C Conduit 1.50 X 1.50 Meier | Rm | 2,787 | 1,600 | 4,459,200 | 1,000 | 2,787,000 | (38) | 1010 | 2,814,870 | (37) | (37) |
| | | | | | 6,927,300 | | 8,737,000 | 26 | | 6,884,665 | (1) | (1) |
| | CARRIED TO COLLECTION | | | | | | | | | | | |





 B.O.D Page No - 8









CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG

LYARI RIVER

FROM METROVIL TO SABA CINEMA (LS - 2)

ENGINEER'S ESTIMATE

BILL NO- 1 :- RCC CONDUIT AND ALLIED WORKS

| S.No. | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | HAJ SYED MIR | | NLC SOUTH | | | |
|-----------------------|--|------|----------|---------------------|------------|--------------|------------|------------------|-------|-------------|------------------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | % BELOW OR ABOVE | RATE | AMOUNT | % BELOW OR ABOVE |
| 1/26 | ii) In R.C.C Conduit 1.50 X 2.00 Meter | Rm | 3,043 | 1,600 | 4,868,800 | 1000 | 3,043,000 | (38) | 1010 | 3,073,430 | (37) |
| | iii) In R.C.C Pipe upto 500 mm dia | Rm | 1,400 | 600 | 840,000 | 100 | 140,000 | (83) | 1010 | 1,414,000 | 68 |
| | iv) In R.C.C Pipe Above 500 mm dia (Either Twin or single both) | Rm | 1,750 | 600 | 1,050,000 | 100 | 175,000 | (83) | 1010 | 1,767,500 | 68 |
| 1/26 | Excavate, Construct and Maintain diversion of river including disposal of excavated material instructed by the Engineer for the safe construction of R.C.C conduit and other allied works till the completion of works in all respect and restoration in original condition, complete as per drawing and as directed by the engineer. The excavated material may used for temporary bunds to prevent surface water flowing into permanent works. On completion of works the temporary bunds shall be removed and disposed as directed by the Engineer. | Rm | 5,830 | 800 | 4,664,000 | 2000 | 11,660,000 | 150 | 15150 | 88,324,500 | 1,794 |
| 1/27 | Construct and maintain the Access track (Eight meter wide) in river including any temporary culverts and crossing of drains etc. for transportation of materials, plants and equipment's including the movement of all kinds of traffic. The track shall be maintained and kept traffic worthy up to the end of defects liability period. | Rm | 5,830 | 1,000 | 5,830,000 | 4000 | 23,320,000 | 300 | 1515 | 8,832,450 | 52 |
| 1/28 | Extra over for using S.R cement in Class C-35/20 concrete. (cast in situ and Precast both) - (Provisional Quantity) | culm | 7,767 | 375 | 2,912,625 | 100 | 776,700 | (73) | 353.5 | 2,745,635 | (6) |
| 1/29 | Extra over for providing and using 25% G.G.B.S cement blended with Portland cement in specified proportion in Class C-35/20 concrete and as specified in specification (cast in situ and Precast both) - (Provisional Quantity) | culm | 3,884 | 375 | 1,456,500 | 500 | 1,942,000 | 33 | 252.5 | 980,710 | (33) |
| CARRIED TO COLLECTION | | | | | 21,521,925 | | 41,056,700 | 90 | | 107,138,225 | 396 |

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**CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG
LYARI RIVER**

**FROM METROVIL TO SABA CINEMA (LS - 2)
ENGINEER'S ESTIMATE**

BILL NO- 1 :- RCC CONDUIT AND ALLIED WORKS

| S.No | PAGE NO | ENGINEERS | HAJI SYED MIR | NLC SOUTH |
|--------------------|------------------|-----------------|---------------|---------------|
| | | AMOUNT | AMOUNT | AMOUNT |
| 1 | B.O.Q PAGE NO- 2 | 142,710,162 | 144,287,700 | 384,283,031 |
| 2 | B.O.Q PAGE NO- 3 | 238,830,250 | 246,222,500 | 286,754,778 |
| 3 | B.O.Q PAGE NO- 4 | 309,860,450 | 304,148,000 | 305,714,880 |
| 4 | B.O.Q PAGE NO- 5 | 115,335,250 | 114,960,000 | 71,470,630 |
| 5 | B.O.Q PAGE NO- 6 | 9,057,550 | 14,451,000 | 16,429,973 |
| 6 | B.O.Q PAGE NO- 7 | 132,202,000 | 52,690,000 | 69,149,600 |
| 7 | B.O.Q PAGE NO- 8 | 6,927,300 | 8,737,000 | 6,884,665 |
| 8 | B.O.Q PAGE NO- 9 | 21,621,925 | 41,056,700 | 107,138,225 |
| CARRIED TO SUMMARY | | 976,544,887 | 926,552,900 | 1,247,825,781 |
| | | % BELOW / ABOVE | -5.119271799 | 27.7796854 |

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**CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER
FROM METROYIL TO SABA CINEMA (LS - 2)
ENGINEER'S ESTIMATE**

BILL NO. - 2 - GENERAL WORKS

| S.No | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | HALI SYED NUR | | NLC SOUTH | | |
|-----------------------|---|----------|----------|---------------------|------------|---------------|------------|-----------|------------|------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | RATE | AMOUNT | |
| 2/1 | Providing and maintain Temporary Site Office (Area minimum 100 sq.m) with the provision of Electricity, telephone, Gas, water and drainage system including the payment of all taxes and utility bills, with separate toilet facility, all as specified or as directed by the Engineer. | month | 36 | 74,500 | 2,662,000 | 300,000 | 10,800,000 | 150,000 | 5,400,000 | 101 |
| 2/2 | Provide furniture, fixtures and equipment, all as specified or as directed by the Engineer, for Temporary Site Office. (The furniture, fixtures and equipment shall become property of the Employer after completion of the project). | Lump Sum | Job | | 1,975,000 | 2,000,000 | 2,000,000 | 6,000,000 | 6,000,000 | 204 |
| 2/3 | Maintain all specified furniture, fixtures and office equipment alongwith regular supplies of office stationary and consumables including janitorial services of Temporary Site Office. | month | 36 | 100,000 | 3,600,000 | 200,000 | 7,200,000 | 150,000 | 5,400,000 | 50 |
| 2/4 | Provide Assistance to Engineer's, Support Staff as specified: 1) Site Office Support Staff 2) Survey Staff with equipment and transport. 3) Laboratory Staff with transport. | month | 36 | 170,000 | 6,120,000 | 200,000 | 7,200,000 | 200,000 | 7,200,000 | 18 |
| 2/5 | Maintenance of Employer provided vehicles including comprehensive Insurance, Driver and P.O.L as specified: (a) Suzuki (Cultus) Model 2013 petrol engine (b) Wagon R (Cultus) Model 2015 petrol engine (c) Honda City Aspire Model 2014 petrol engine | month | 36 | 365,000 | 13,140,000 | 250,000 | 9,000,000 | 280,000 | 9,360,000 | (29) |
| | | month | 36 | 330,000 | 11,880,000 | 250,000 | 9,000,000 | 400,000 | 14,400,000 | 21 |
| | | month | 36 | 78,000 | 2,808,000 | 70,000 | 2,520,000 | 95,000 | 3,420,000 | 22 |
| | | month | 36 | 78,000 | 2,808,000 | 70,000 | 2,520,000 | 95,000 | 3,420,000 | 22 |
| | | month | 36 | 90,000 | 3,240,000 | 70,000 | 2,520,000 | 95,000 | 3,420,000 | 6 |
| CARRIED TO COLLECTION | | | | | 48,253,000 | | 52,760,000 | | 58,020,000 | 9 |

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CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER

FROM METROVIL TO SABAA CINEMA (L.S - 2)

ENGINEER'S ESTIMATE

BILL NO. 2 - GENERAL WORKS

| S.No | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | HAAL SYED NUR | | NLC SOUTH | | | |
|-----------------------|---|-----------------|----------|---------------------|------------|---------------|------------|-----------|-----------|------------------|------------------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | RATE | AMOUNT | % BELOW OR ABOVE | % BELOW OR ABOVE |
| 2/6 | Providing, and making available at all times vehicles, including comprehensive insurance and registration etc. for use of the Engineer and his staff and employer in accordance with the specifications and as directed by the Engineer. (The vehicle shall become property of the Employer after completion of the project). | No. | 1 | 3,290,000 | 3,290,000 | 4,000,000 | 4,000,000 | 2,600,000 | 2,600,000 | 22 | (21) |
| | (a) Suzuki Jimmy JLDX M/T petrol engine with Latest AC Model or equivalent; | No. | 1 | 3,290,000 | 3,290,000 | 4,000,000 | 4,000,000 | 2,600,000 | 2,600,000 | 22 | (21) |
| | (b) Suzuki (Cultus) 1000 cc petrol engine with AC Latest Model or equivalent; | No. | 1 | 1,937,000 | 1,937,000 | 2,500,000 | 2,500,000 | 1,800,000 | 1,800,000 | 29 | (7) |
| | (c) Suzuki (High Roof) Bolan 800 cc petrol engine with AC Latest Model or equivalent; | No. | 1 | 1,115,000 | 1,115,000 | 1,500,000 | 1,500,000 | 955,000 | 955,000 | 35 | (14) |
| 2/7 | Maintenance of vehicles including Driver, P.O.L. and comprehensive insurance provided under item No-2/6). | month | 36 | 90,000 | 3,240,000 | 90,000 | 3,240,000 | 85,000 | 3,060,000 | - | (6) |
| | Item No-2/6 (a) | month | 36 | 78,000 | 2,808,000 | 90,000 | 3,240,000 | 85,000 | 3,060,000 | 15 | 9 |
| | Item No-2/6 (b) | month | 36 | 78,000 | 2,808,000 | 90,000 | 3,240,000 | 85,000 | 3,060,000 | 15 | 9 |
| | Item No-2/6 (c) | month | 36 | 78,000 | 2,808,000 | 90,000 | 3,240,000 | 85,000 | 3,060,000 | 15 | 9 |
| 2/8 | Location and protection of all public utility services encountered with in the works during the contract period including Telephone Cables, Water supply Lines, Sewers, Drains, Gas pipe lines, Oil refinery lines and Power Cables. | Job | Lump-Sum | | 1,000,000 | 5000000 | 5,000,000 | 5,000,000 | 5,000,000 | 400 | 400 |
| 2/9 | Provisional Sum for payment to Utility Agencies for Re-location and / or their supervision charges where Required. | Provisional-Sum | | | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | - | - |
| CARRIED TO COLLECTION | | | | | 17,198,000 | 23,720,000 | 20,535,000 | | | 38 | 19 |

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**CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER
FROM METROVIL TO SABA CINEMA (LS - 2)
ENGINEER'S ESTIMATE**

BILL NO - 2 : - GENERAL WORKS

| S No | PAGE NO | ENGINEER'S ESTIMATE | | |
|--------------------|--------------------|---------------------|-------------------------|---------------------|
| | | AMOUNT | HAJI SYED MIR AMOUNT | NLC SOUTH AMOUNT |
| 1 | B.O.Q PAGE NO - 9 | 48,253,000 | 52,760,000 | 58,020,000 |
| 2 | B.O.Q PAGE NO - 10 | 17,198,000 | 23,720,000 | 20,535,000 |
| CARRIED TO SUMMARY | | 65,451,000 | 76,480,000 | 78,555,000 |
| | | % BELOW / ABOVE | 16.85077386 | 20.02108448 |

CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER

FROM METROVIL TO SABA CINEMA (LS - 2)

ENGINEER'S ESTIMATE

SCHEDULE OF DAY WORK RATES

1) LABOUR

| Item No. | Description | Unit | Nominal Quantity | ENGINEER'S ESTIMATE | | NLC SOUTH | | HAJI SYED MIR | |
|---|--|------|------------------|---------------------|--------------|------------|--------------|---------------|--------------|
| | | | | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) |
| D101 | Ganger (Foreman) | Hr | 15 | 125 | 1,875 | 195 | 2,925 | 200 | 3,000 |
| D102 | Labourer | Hr | 25 | 100 | 2,500 | 110 | 2,750 | 120 | 3,000 |
| D103 | Plumber | Hr | 15 | 125 | 1,875 | 165 | 2,475 | 200 | 3,000 |
| D104 | Mason | Hr | 15 | 125 | 1,875 | 330 | 4,950 | 200 | 3,000 |
| D105 | Carpenter | Hr | 15 | 125 | 1,875 | 300 | 4,500 | 200 | 3,000 |
| D106 | Steel Work Erector | Hr | 15 | 125 | 1,875 | 300 | 4,500 | 200 | 3,000 |
| D107 | Surveyor | Hr | 15 | 125 | 1,875 | 250 | 3,750 | 200 | 3,000 |
| D108 | Driver for vehicle up to 10 tons | Hr | 15 | 125 | 1,875 | 150 | 2,250 | 100 | 1,500 |
| D109 | Operator for Excavator, Dragline, shovel or crane | Hr | 15 | 125 | 1,875 | 200 | 3,000 | 100 | 1,500 |
| D110 | Operator for tractor, (tracked) with dozer blade or ripper | Hr | 15 | 125 | 1,875 | 170 | 2,550 | 100 | 1,500 |
| D111 | Welder | Hr | 15 | 125 | 1,875 | 250 | 3,750 | 200 | 3,000 |
| SUB TOTAL | | | | | 21,250 | | 37,400 | | 28,500 |
| Add percent adjustment for Contractor's overhead, profit, etc. | | | | 25% | 5,313 | 25% | 9,350 | 30% | 8,550 |
| Total for Day work: Labour: (Carried forward to Day work Summary) | | | | | 26,563 | | 46,750 | | 37,050 |

DW-1

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CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER

FROM METROVIL TO SABA CINEMA (LS - 2)

ENGINEER'S ESTIMATE

SCHEDULE OF DAY WORK RATES

II) MATERIAL

| Item No. | Description | Unit | Nominal Quantity | ENGINEER'S ESTIMATE | | NLC SOUTH | | HAJI SYED MIR | |
|--|--|-------|------------------|---------------------|--------------|------------|--------------|---------------|--------------|
| | | | | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) |
| D201 | Cement, ordinary Portland or equivalent in bags | M.Ton | 2 | 11,600 | 23,200 | 12,805 | 25,610 | 12,000 | 24,000 |
| D202 | Sulphate resisting cement | M.Ton | 2 | 12,000 | 24,000 | 12,935 | 25,870 | 12,500 | 25,000 |
| D203 | Mild Steel reinforcing bar upto 16mm diameter to BS 4449 or equivalent | M.Ton | 2 | 95,000 | 190,000 | 119,600 | 239,200 | 105,000 | 210,000 |
| D204 | Fine aggregate for concrete | Cu.m | 100 | 777 | 77,700 | 1,435 | 143,488 | 1,200 | 120,000 |
| D205 | Coarse aggregate | Cu.m | 100 | 1,130 | 113,000 | 1,435 | 143,488 | 1,200 | 120,000 |
| D206 | Gabion with stone fill. | Cu.m | 50 | 4,238 | 211,900 | 2,826 | 141,280 | 1,800 | 90,000 |
| D207 | M.S. Plate upto 10mm thick grade x 42, API | M.Ton | 1 | 105,000 | 105,000 | 200,000 | 200,000 | 140,000 | 140,000 |
| D208 | Granular Sub base | Cu.m | 30 | 883 | 26,490 | 1,033 | 30,993 | 1,200 | 36,000 |
| SUB TOTAL | | | | | 771,290 | | 949,929 | | 765,000 |
| Add percent adjustment for Contractor's overhead, profit, etc. | | | | 25% | 192,823 | 25% | 237,482 | 30% | 229,500 |
| Total for Day work: Construction Plant (Carried forward to Day work Summary) | | | | | 964,113 | | 1,187,411 | | 994,500 |

DW-2

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CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LVARI RIVER

FROM METROVIL TO SABA CINEMA (LS - 2)

ENGINEER'S ESTIMATE

SCHEDULE OF DAY WORK RATES

(III) Constructional Plant

| Item No. | Description | Unit | Nominal Quantity | ENGINEER'S ESTIMATE | | NLC SOUTH | | HAJI SYED MIR | |
|---|---|------|------------------|---------------------|--------------|------------|--------------|---------------|--------------|
| | | | | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) |
| D301 | Excavator and Back Hoes (with or without hammer) 1. JCB-III or equivalent. 2. CAT 225 or equivalent | Hr | 15 | 2,000 | 30,000 | 2,875 | 43,125 | 3,000 | 45,000 |
| | | Hr | 15 | 2,200 | 33,000 | 2,875 | 43,125 | 3,000 | 45,000 |
| D302 | Tractor (tracked) including bull or angle dozer: 1. Up-to and including 150HP 2. Over 150 to 200 HP 3. Over 200 to 250 HP | Hr | 15 | 800 | 12,000 | 2,300 | 34,500 | 1,000 | 15,000 |
| | | Hr | 15 | 1,000 | 15,000 | 2,530 | 37,950 | 1,000 | 15,000 |
| | | Hr | 15 | 1,200 | 18,000 | 2,875 | 43,125 | 1,000 | 15,000 |
| D303 | Tractor with ripper: 1. Up-to and including 200HP 2. Over 200 to 250 HP | Hr | 15 | 1,500 | 22,500 | 4,025 | 60,375 | 1,000 | 15,000 |
| | | Hr | 15 | 1,800 | 27,000 | 5,175 | 77,625 | 1,000 | 15,000 |
| D304 | Wheel loader upto 3m ³ | Hr | 15 | 2,200 | 33,000 | 4,258 | 63,870 | 2,000 | 30,000 |
| D305 | Dump Truck | Hr | 15 | 1,500 | 22,500 | 1,910 | 28,650 | 2,000 | 30,000 |
| D306 | Water Tanker | Hr | 15 | 1,000 | 15,000 | 1,522 | 22,830 | 2,000 | 30,000 |
| D307 | Hand Compactor | Hr | 15 | 500 | 7,500 | 2,619 | 39,285 | 1,000 | 15,000 |
| D308 | Batching Plant | Hr | 15 | 1,500 | 22,500 | 10,590 | 158,850 | 5,000 | 75,000 |
| D309 | Welding Plant | Hr | 15 | 1,000 | 15,000 | 3,450 | 51,750 | 2,000 | 30,000 |
| D310 | Generator upto 55 KVA | Hr | 15 | 1,000 | 15,000 | 1,725 | 25,875 | 2,000 | 30,000 |
| D311 | Dewatering Pumps | Hr | 15 | 800 | 12,000 | 7,475 | 112,125 | 2,000 | 30,000 |
| D312 | Jack Hammer | Hr | 15 | 800 | 12,000 | 5,494 | 82,417 | 3,000 | 45,000 |
| D313 | Compressor | Hr | 15 | 500 | 7,500 | 2,059 | 30,885 | 3,000 | 45,000 |
| SUB TOTAL | | | | | 319,500 | | 956,362 | | 525,000 |
| Add percent adjustment for Contractor's overhead, profit, etc. | | | | 25% | 79,875 | | 239,091 | | 157,500 |
| Total for Day work: Construction Plant. (Carried forward to Day work Summary) | | | | | 399,375 | | 1,195,453 | 30% | 682,500 |

DW-1

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CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER

FROM METROVIL TO SABA CINEMA (LS - 2)

ENGINEER'S ESTIMATE

SCHEDULE OF DAY WORK RATES

Summary (Day-Work)

| Number | Description | ENGINEER'S ESTIMATE | | |
|--|--|---------------------|----------------------|------------------|
| | | AMOUNT | HAJI SYED MIR AMOUNT | NLC SOUTH AMOUNT |
| 1 | Total for Day-work: Labour | 26,563 | 37,050 | 46,750 |
| 2 | Total for Day-work: Material | 964,113 | 994,500 | 1,187,411 |
| 3 | Total for Day-work: Construction Plant | 399,375 | 682,500 | 1,195,453 |
| Total for Day work: (Carried forward to Summary of cost) | | 1,390,051 | 1,714,050 | 2,429,614 |
| | | % BELOW / ABOVE | 23,30842537 | 74,78596109 |

 (Ahsan Iqbal)
 (M. Rashid)
 DW-1
 (Rizwan)
 (H. Ejaz)
 (Naveed)
 (Asif)



KARACHI WATER & SEWERAGE BOARD

Annexure-F

BID EVALUATION REPORT


| | | |
|-----|--|--|
| 1. | Name of Procuring Agency | Karachi Water & Sewerage Board |
| 2. | Tender Reference No. | Serial No. 37819 |
| 3. | Tender Description/ Name of Work | Contract Package LS-03: "Construction of New RCC Conduit, Interceptors and other Allied Works along Lyari River (From Gulshan Yaseenabad to Metrovill)" |
| 4. | Method of Procurement | Single Stage one Envelop |
| 5. | Tender Published | In accordance with clause 28 (c) of SPPRA Rules 2010, (Amended 2017) NIT issued to prequalified contractors on 9 th October, 2018 for bidding in above mentioned tender. Please refer letter No. PD/S-III/KW&SB/2018/1402 Dated: 9-10-2018 communicated to SPPRA. |
| 6. | Totals bid Document Sold | 12 Nos. (Twelve) |
| 7. | Total Bids Received | 05 Nos. (Five) |
| 8. | Technical Bid opening Date (if applicable) | Not applicable |
| 9. | No. of Bid Technically Qualified (if applicable) | Not applicable |
| 10. | Bid (s) Rejected | Nil |
| 11. | Financial Bid Opening Date | 29.10.2018 |

12. Bid Evaluation Report

| S. No. | NAME OF FIRM/BIDDER | CORRECT COST OFFERED BY THE BIDDER | RANKING IN TERM OF COST | COMPARIS ON WITH ESTIMATE D COST | REASON FOR ACCEPTANCE/ REJECTION | REMARKS |
|--------|--------------------------------|------------------------------------|-------------------------|----------------------------------|----------------------------------|---------|
| 1. | M/s Haji Syed Ameer & Brothers | Rs..631,546,005 | 1 st Lowest | -6.70 % | Accepted being responsive | - |
| 2. | M/s NLC South | Rs.. 825,832,125 | 4 th Lowest | +21.994% | Accepted being responsive | - |

(Riaz Khan) (Naveed Subhan) (Gajji) (M. Rashed) (Amir nayan) (H. Ejaz Khan) (Mansoor Sialkot) (Mansoor Sialkot)

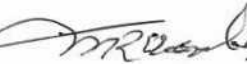
| | | | | | | |
|----|------------------------------------|------------------|------------------------|----------|---------------------------|---|
| 3. | M/s Incessmen & Corporation | Rs.. 831,118,788 | 5 th Lowest | +22.77% | Accepted being responsive | - |
| 4. | M/s AA. Quality Builders (Pvt) Ltd | Rs.. 752464642 | 3 rd Lowest | +11.156% | Accepted being responsive | - |
| 5. | M/s Sherjan Mosakhail & Sons. | Rs..646,148,518 | 2 nd Lowest | -4.54% | Accepted being responsive | - |


Aamir Waqar
DPM S-III
Secretary/Member



Shafqat Manghan
AEE S-III
Member

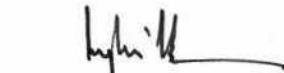

Ganji
(E&M) KW&SB
Member


Naveed Jabbar
A.O S-III
Member


Riaz Khan Ghori,
EE(Civil), KW&SB
Member


Mr. Imtiazuddin
S.E(Civil) PMU.PHED, GoS
Member


Athar Hussain Mirani
Add. Sec. (F) GoS.
Member


Maqsood Ahmed Shaikh
Se (KMC),
Member


M. Rashid
M/s TCI
Co-Opt Member


Hasan Ejaz Kazmi.
SE (E&M) KW&SB
Convener.

CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER

FROM GULSHAN YASEENABAD TO METROVIL (LS - 3)
ENGINEER'S ESTIMATE
SUMMARY OF BID COST

| BILL NR | TITLE | ENGINEER'S ESTIMATE | | AA QUALITY B. | HAJI SYED A. | INDUSMEN CORP. | NLC SOUTH | SHERJAN MOSAKHAIL |
|--|------------------------------|---------------------|-------------|---------------|--------------|----------------|--------------|-------------------|
| | | AMOUNT | AMOUNT | AMOUNT | AMOUNT | AMOUNT | AMOUNT | AMOUNT |
| 1 | RCC CONDUIT AND ALLIED WORKS | 599,201,940 | 646,440,959 | 543,488,700 | 723,471,498 | 732,074,724 | 569,606,620 | |
| 2 | GENERAL WORKS | 63,075,000 | 88,480,000 | 73,960,000 | 89,906,900 | 75,135,000 | 62,227,600 | |
| 3 | DAY WORKS | 1,390,051 | 2,789,474 | 1,714,050 | 1,443,943 | 2,429,614 | 1,644,719 | |
| SUB TOTAL 1 TO 3 | | 663,666,991 | 737,710,433 | 619,162,750 | 814,822,341 | 809,639,338 | 633,478,939 | |
| 2% PHYSICAL CONTINGENCIES FOR VARIATION/ EXTRA WORK INSTRUCTED BY THE ENGINEER. | | 13,273,340 | 14,754,209 | 12,383,255 | 16,296,447 | 16,192,787 | 12,669,579 | |
| GRAND TOTAL | | 676,940,331 | 752,464,642 | 631,546,005 | 831,118,788 | 825,832,125 | 646,148,518 | |
| | | % BELOW/ABOVE | 11.15671612 | -6.705809053 | 22.77578237 | 21.99481803 | -4.548674616 | |

 (Azeem Ullah)
 (M. Nadeem)
 (M. Nadeem)
 (M. Nadeem)
 (M. Nadeem)

CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER

FROM GULSHAN YASEENABAD TO METROVIL (LS - 3)

ENGINEER'S ESTIMATE

BILL NO- 1 :- RCC CONDUIT AND ALLIED WORKS

| S.No. | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | AA QUALITY BUILDERS | | HAJI SYED A. | | | |
|-----------------------|---|------|----------|---------------------|------------|---------------------|-------------|-----------------|------|-------------|-----------------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE |
| 1/1 | Excavation for RCC Conduit / Pipe / Manhole / Structures in all kinds of soils / material (except hard rock) and road pavements / foot paths including all operations of site cleaning, grubbing, dewatering of sub soil water, surface water, sewage and other sources. Leveling, dressing and ramming the excavated surface and disposal of excavated surplus material to designated disposal areas within 25 Km including Backfilling around and top of the conduit with selected excavated material from any site location including breaking clods, dressing, watering, compacted in layer not Exceeding 150 mm thickness, all complete as per drawings, specifications and as directed by the Engineer. | cu.m | 66,191 | 385 | 25,483,535 | 650 | 43,024,150 | 69 | 1100 | 72,810,100 | 186 |
| | i) Up to 5 meter Depth | cu.m | 5,606 | 424 | 2,376,944 | 750 | 4,204,500 | 77 | 1800 | 10,090,800 | 325 |
| | ii) 5.01 meter Depth To 6.0 meter Depth | cu.m | 1,381 | 466 | 643,546 | 850 | 1,173,890 | 82 | 3600 | 4,833,500 | 651 |
| | iii) 6.01 meter Depth To 7.0 meter Depth | cu.m | 360 | 513 | 184,680 | 950 | 342,000 | 85 | 4000 | 1,440,000 | 680 |
| | iv) Depth above 7.01 meter | cu.m | | | | | | | | | |
| 1/2 | Extra over Excavation for Breaking out Rock at any depth as per specification and as directed by the Engineer. (Provisional Quantity) | cu.m | 38,064 | 1,000 | 38,064,000 | 1125 | 42,822,000 | 13 | 200 | 7,612,800 | (80) |
| 1/3 | Providing and laying Selected Material from approved source for backfilling / bedding complete with breaking clods and compacted to 90 % AASHTO dry density complete as per drawings, specifications and as directed by the Engineer. (Provisional Quantity) | cu.m | 20,000 | 700 | 14,000,000 | 1888 | 39,760,000 | 184 | 300 | 6,000,000 | (57) |
| CARRIED TO COLLECTION | | | | | 80,752,705 | | 131,328,500 | 63 | | 102,787,200 | 27 |

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| INDUSMEN CORP. | | | NLC SOUTH | | | SHERJAN MOSAKHAIL | | |
|----------------|-------------|-----------------|-----------|-------------|-----------------|-------------------|-------------|-----------------|
| RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE |
| 800 | 52,952,800 | 108 | 1789.78 | 117,143,508 | 380 | 600 | 39,714,800 | 56 |
| 850 | 4,795,100 | 100 | 2036.34 | 11,415,722 | 380 | 630 | 3,531,780 | 49 |
| 920 | 1,270,520 | 97 | 2302.91 | 3,180,319 | 394 | 650 | 897,650 | 39 |
| 1500 | 540,000 | 192 | 2569.47 | 925,009 | 401 | 690 | 248,400 | 35 |
| 1,600 | 60,902,400 | 60 | 1,515 | 57,666,980 | 52 | 1,210 | 48,057,440 | 21 |
| 880 | 17,600,000 | 26 | 1,641 | 32,819,400 | 134 | 780 | 15,600,000 | 11 |
| | 139,030,820 | 71 | | 223,150,918 | 176 | | 106,049,870 | 31 |






CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER

FROM GULSHAN YASEENABAD TO METROVIL (LS - 3)

ENGINEER'S ESTIMATE

BILL NO-1 :- RCC CONDUIT AND ALLIED WORKS

| S.No. | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | AA QUALITY BUILDERS | | HAJI SYED A | | | |
|-----------------------|---|------|----------|---------------------|-------------|---------------------|-------------|-------------|-------------|-----------------|-----|
| | | | | RATE | AMOUNT | RATE | AMOUNT | RATE | AMOUNT | % BELOW / ABOVE | |
| 1/4 | Providing and laying Granular fill (Granular Bedding) material from approved source for backfilling / bedding complete with breaking clods and compacted to 90 % AASHTO dry density complete as per drawings, specifications and as directed by the Engineer. (Provisional Quantity) | cu m | 1,500 | 1,750 | 2,625,000 | 1,563 | 2,344,500 | 800 | 1,200,000 | (54) | |
| 1/5 | Providing, laying and compacting Stone Soling / Pitching / filling in trench for bedding or where ever required including leveling, rolling, grading and compacting complete as per drawings, specifications and as directed by the Engineer. (Provisional Quantity) | cu m | 988 | 2,550 | 2,519,400 | 3,975 | 3,927,300 | 500 | 494,000 | (80) | |
| 1/6 | Providing and laying plain cement concrete Class 10/20, using sulphate resisting cement in situ concrete including formwork, mixing, pouring, leveling, compacting, vibrating and curing complete as per drawings, specifications and as directed by the Engineer. | cu m | 800 | 9,025 | 7,220,000 | 9,250 | 7,400,000 | 10,000 | 8,000,000 | 11 | |
| 1/7 | Providing and laying cast in situ R.C.C Class C-35A using ordinary Portland cement in Conduit to required level including formwork, mixing, pouring, leveling, compacting, vibrating and curing, complete as per drawings, specification and as directed by the Engineer. (Excluding the cost of Steel reinforcement.) | cu m | 3,150 | 13,150 | 41,422,500 | 16,188 | 50,992,200 | 15,000 | 47,250,000 | 14 | |
| | (i) In Base Slab with kicker | cu m | 4,710 | 16,900 | 79,599,000 | 16,188 | 76,245,480 | 16,000 | 75,350,000 | (5) | |
| | (ii) In Walls and Top Slab | | | | 133,385,900 | | 140,909,480 | | 132,304,000 | (1) | |
| CARRIED TO COLLECTION | | | | | | 133,385,900 | | 140,909,480 | | 132,304,000 | (1) |

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MS.

| INDUSMEN CORP. | | | NIC SOUTH | | | SHERJAN MOSAFAHIL | | |
|----------------|-------------|-----------------|-----------|-------------|-----------------|-------------------|-------------|-----------------|
| RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE |
| 1,500 | 2,250,000 | (14) | 2,319 | 3,478,140 | 33 | 1,385 | 2,077,500 | (21) |
| 3,000 | 2,964,000 | 18 | 2,319 | 2,290,935 | (9) | 3,100 | 3,062,800 | 22 |
| 9,500 | 7,600,000 | 5 | 7,676 | 6,140,800 | (15) | 10,360 | 8,288,000 | 15 |
| 15,000 | 47,250,000 | 14 | 18885 | 58,857,750 | 42 | 15,100 | 47,565,000 | 15 |
| 16,000 | 76,960,000 | (5) | 18885 | 88,006,350 | 11 | 15,400 | 72,534,000 | (9) |
| | 135,424,000 | 2 | | 158,773,975 | 19 | | 133,527,300 | 0 |






CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER

**FROM GULSHAN YASEENABAD TO METROYIL (LS - 3)
ENGINEER'S ESTIMATE**

BILL NO- 1 :- RCC CONDUIT AND ALLIED WORKS

| S.No | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | AA QUALITY BUILDERS | | HAJI SYED A | | |
|-----------------------|--|-------|----------|---------------------|-------------|---------------------|-------------|-------------|-------------|-----------------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | RATE | AMOUNT | % BELOW / ABOVE |
| 1/8 | Providing and laying cast in situ R.C.C Class C-35A using ordinary Portland cement in Manhole (Circular / Rectangular) to required level including formwork, mixing, pouring, leveling, compacting, vibrating and curing, complete as per drawings, specification and as directed by the Engineer. (Excluding the cost of Steel reinforcement.) | cu.m | 150 | 14,670 | 2,200,500 | 16683 | 2,494,450 | 6000 | 900,000 | (59) |
| | i) In Base Slab | cu.m | 1,100 | 16,965 | 18,661,500 | 16683 | 18,219,300 | 12000 | 13,200,000 | (29) |
| | ii) In Walls | cu.m | 120 | 15,625 | 1,875,000 | 16683 | 1,987,560 | 16800 | 1,920,000 | 2 |
| | iii) In Top Slab | cu.m | 1,108 | 155,000 | 171,740,000 | 150,000 | 166,200,000 | 6,000 | 171,740,000 | (41) |
| 1/9 | Providing, Placing and fixing in position Deformed steel reinforcement bars, conforming to BS 4449 or ASTM A-615 with minimum Yield strength of 420 N/mm ² including cutting, bending, binding, straightening, wastage, overlaps, chairs and tying with binding wire complete, at any height and any floor as per design, drawings, specifications and as directed by the Engineer. | tonne | 1,108 | 155,000 | 171,740,000 | 150,000 | 166,200,000 | 6,000 | 171,740,000 | (41) |
| 1/10 | Providing and laying in plain cement concrete Class C-30/20 using sulphate resisting cement in Encasement of pipe / Banching of Circular manhole / treatment structures or where ever required including formwork, mixing, pouring, leveling, compacting, vibrating and curing, complete as per drawings, specification and as directed by the Engineer. | cu.m | 150 | 10,230 | 1,534,500 | 14,315 | 2,147,250 | 6,000 | 900,000 | (41) |
| CARRIED TO COLLECTION | | | | | 196,011,500 | | 191,038,560 | | 188,660,000 | (3) |

(Handwritten signatures and initials)

| INDUSMEN CORP | | | N.L.C SOUTH | | | SHERJAN MOSAKHAIL | | |
|---------------|-------------|-----------------|-------------|-------------|-----------------|-------------------|-------------|-----------------|
| RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE |
| 15000 | 2,250,000 | | 16655 | 2,802,750 | 27 | 16500 | 2,475,000 | 12.47443763 |
| 16000 | 17,600,000 | | 16685 | 20,553,500 | 10 | 16000 | 17,600,000 | -5.68818155 |
| 16000 | 1,920,000 | | 16685 | 2,242,200 | 20 | 16500 | 1,980,000 | 5.6 |
| 162,808 | 180,391,264 | | 151,500 | 167,862,000 | (2) | 148,500 | 164,538,000 | -4.193548387 |
| 13,500 | 2,025,000 | | 14,140 | 2,121,000 | 38 | 18,200 | 2,730,000 | 77.90811339 |
| | 204,186,264 | | | 195,581,450 | (0) | | 189,323,000 | -3.41229789 |





CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER

FROM GULSHAN YASEENABAD TO METROVIL (LS - 3)

ENGINEER'S ESTIMATE


BILL NO. 1 :- RCC CONDUIT AND ALLIED WORKS

| S.No. | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | AA QUALITY BUILDERS | | HAU SYED A | | | |
|-----------------------|---|------|----------|---------------------|------------|---------------------|------------|-----------------|-------|------------|-----------------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE |
| 1/11 | Providing and applying 2 coats of hot bitumen (or Approved equal) at contraction joint and to the exterior surface of the concrete structure in contact with the earth as recommended by the manufacturer and as directed by the Engineer. | Sq.m | 24,800 | 440 | 10,912,000 | 95 | 2,396,000 | (78) | 250 | 6,200,000 | (43) |
| 1/12 | Providing and fixing approved quality corrosive resistant PVC Sheet with mechanical keys as internal lining to conduit structure and manhole shafts including all welding and sealing and PVC joint strip at expansion joint, Complete as per Drawings, specifications and as directed by the Engineer. | Sq.m | 15,400 | 4,000 | 61,600,000 | 3,288 | 50,635,200 | (18) | 2,600 | 40,040,000 | (35) |
| 1/13 | Providing, laying and Filling Elastomeric joint sealant compound 25mm X 20 mm including board protection and approved joint filler where ever required, Complete as per specifications, drawings and as directed by the Engineer. | Rm | 5,192 | 590 | 3,063,280 | 1,650 | 8,566,800 | 180 | 1000 | 5,192,000 | 69 |
| | i) Between wall and Kicker | Rm | 93 | 590 | 54,870 | 1,650 | 153,450 | 180 | 1000 | 93,000 | 69 |
| | ii) In Bad Slab | Rm | 341 | 590 | 201,190 | 1,650 | 562,650 | 180 | 1000 | 341,000 | 69 |
| | iii) In Walls | Rm | 93 | 590 | 54,870 | 1,650 | 153,450 | 180 | 1000 | 93,000 | 69 |
| 1/14 | Providing and Fixing 250 mm wide type PVC Water Stopper for Expansion joint, in RCC Conduit complete as per specifications, drawings and as directed by the Engineer. | Rm | 93 | 1,300 | 120,900 | 950 | 88,350 | (27) | 2000 | 186,000 | 54 |
| | i) In Bad Slab | Rm | 171 | 1,300 | 222,300 | 950 | 162,450 | (27) | 2000 | 342,000 | 54 |
| | ii) In Walls | Rm | 93 | 1,300 | 120,900 | 950 | 88,350 | (27) | 2000 | 186,000 | 54 |
| | iii) In Roof Slab | Rm | 93 | 1,300 | 120,900 | 950 | 88,350 | (27) | 2000 | 186,000 | 54 |
| CARRIED TO COLLECTION | | | | | 76,350,310 | 62,766,700 | (18) | 52,673,000 | (31) | | |






| INDUSMEN CORP. | | | NLC SOUTH | | | SHERJAN MOSAKHAIL | | |
|----------------|------------|-----------------|-----------|------------|-----------------|-------------------|------------|-----------------|
| RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE |
| 400 | 9,920,000 | (9) | 182 | 4,508,640 | (59) | 380 | 9,424,000 | -13,638,954 |
| 3,500 | 53,900,000 | (13) | 2,525 | 38,885,000 | (37) | 1,800 | 24,640,000 | -60 |
| 2100 | 10,903,200 | 256 | 1212 | 6,292,704 | 105 | 680 | 3,530,560 | 15,254,2729 |
| 2100 | 195,300 | 256 | 1212 | 112,716 | 105 | 680 | 63,240 | 15,254,2729 |
| 2100 | 716,100 | 256 | 1212 | 413,292 | 105 | 750 | 255,750 | 27,11864,407 |
| 2100 | 195,300 | 256 | 1212 | 112,716 | 105 | 750 | 69,750 | 27,11864,407 |
| 2200 | 204,600 | 69 | 1111 | 103,323 | (15) | 3000 | 279,000 | 130,7692,308 |
| 2200 | 376,200 | 69 | 1111 | 189,981 | (15) | 3000 | 513,000 | 130,7692,308 |
| 2200 | 204,600 | 69 | 1111 | 103,323 | (15) | 3000 | 279,000 | 130,7692,308 |
| | 76,615,300 | 0 | | 50,721,695 | (34) | | 39,054,300 | -48,848,53775 |





CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER

FROM GULSHAN YASEENABAD TO METROYIL (LS - 3)

ENGINEER'S ESTIMATE

BILL NO- 1 :- RCC CONDUIT AND ALLIED WORKS

| S.No | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | AA QUALITY BUILDERS | | HAUL STED A | | | |
|------|---|------|----------|---------------------|------------|---------------------|------------|-----------------|-------|------------|-----------------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE |
| 1/15 | Providing and Fixing expansion joint, in RCC Conduit, including 20 mm dia steel bar Provided 500mm centre to centre and encase with 25 mm dia uPVC pipe with compressible filler. Complete as per specifications, drawings and as directed by the Engineer. | Rm | 93 | 3,600 | 334,800 | 1,500 | 139,500 | (58) | 5,000 | 465,000 | 39 |
| 1/16 | Providing laying and jointing of various internal dia R C C pipes with Spigot Socket Joint including manufactured in accordance with A.S.T.M C-76, class II wall B including cost of sockets and rubber ring including external bituminous coating and internally PVC lining etc. complete as per specifications, drawings and as directed by the Engineer. | Rm | 150 | 10,800 | 1,620,000 | 4000 | 600,000 | (63) | 5000 | 750,000 | (54) |
| | i) 300mm internal dia | Rm | 1,600 | 15,650 | 25,040,000 | 6625 | 10,600,000 | (58) | 6000 | 9,600,000 | (62) |
| | ii) 450mm internal dia | Rm | 700 | 20,300 | 14,210,000 | 8125 | 5,687,500 | (60) | 7000 | 4,900,000 | (66) |
| | iii) 600mm internal dia | Rm | 100 | 20,300 | 2,030,000 | 9250 | 925,000 | (54) | 18000 | 1,800,000 | (11) |
| | iv) 600mm internal dia | Rm | 1,000 | 31,375 | 31,375,000 | 17500 | 17,500,000 | (44) | 15000 | 15,000,000 | (52) |
| | v) 750mm internal dia | Rm | 500 | 44,600 | 22,300,000 | 21008 | 10,504,000 | (53) | 18000 | 9,000,000 | (60) |
| 1/17 | Providing, laying and jointing Pre cast Slab / Manhole cover of R C C Class C-35/20 including Galvanized lifting handle and PVC lining, formwork, mixing, pouring, leveling, compacting, vibrating, curing, transporting, placing and jointing, complete as per drawings, specification and as directed by the Engineer (including the cost of Steel reinforcement.) | No | 22 | 2,500 | 55,000 | 15750 | 346,500 | 530 | 8000 | 176,000 | 220 |
| | i) In Rectangular Shape | No | 34 | 2,500 | 85,000 | 9750 | 331,500 | 290 | 8000 | 272,000 | 220 |
| | ii) In Circular Shape 750 mm dia | No | 50 | 2,200 | 110,000 | 8750 | 437,500 | 298 | 8000 | 400,000 | 264 |
| | iii) In Circular Shape 600 mm dia | No | | | | | | | | | |
| | CARRIED TO COLLECTION | | | | 97,159,800 | | 47,071,500 | (52) | | 42,363,000 | (56) |

| INDUSMEN CORP. | | | NLC SOUTH | | | SHERJAN MOSAKHAIL | | |
|----------------|-------------|-----------------|-----------|------------|-----------------|-------------------|------------|-----------------|
| RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE |
| 3 600 | 334,800 | - | 1,515 | 140,895 | 42 | 1,700 | 158,100 | -52.7777778 |
| 18000 | 2,700,000 | 67 | 3,412.79 | 511,919 | 32 | 6765 | 1,014,750 | -37.26111111 |
| 24000 | 38,400,000 | 53 | 5637.82 | 9,020,512 | 36 | 7850 | 12,560,000 | -48.84025559 |
| 28000 | 19,600,000 | 38 | 8651.66 | 6,056,162 | 43 | 9692 | 6,794,400 | -52.25615794 |
| 28000 | 2,800,000 | 38 | 8651.66 | 865,166 | 43 | 12100 | 1,210,000 | -40.39408667 |
| 35000 | 35,000,000 | 12 | 15294.43 | 15,294,430 | 49 | 1800 | 1,800,000 | -94.26294621 |
| 60000 | 30,000,000 | 35 | 32120.02 | 16,060,010 | 72 | 2400 | 1,200,000 | -94.67883408 |
| 8000 | 176,000 | 220 | 12626 | 277,750 | 505 | 16000 | 352,000 | 540 |
| 7000 | 238,000 | 180 | 18180 | 618,120 | 727 | 16000 | 544,000 | 540 |
| 4000 | 200,000 | 82 | 15150 | 757,500 | 689 | 15500 | 775,000 | 601.5454545 |
| | 129,448,800 | 33 | | 49,602,464 | (49) | | 26,398,250 | -72.83006564 |





CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI

RIVER

FROM GULSHAN YASEENABAD TO METROVIL (LS - 3)

ENGINEER'S ESTIMATE

BILL NO-1 :- RCC CONDUIT AND ALLIED WORKS

| S No. | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | AA QUALITY BUILDERS | | % BELOW / ABOVE | HAJ SYEDA | | % BELOW / ABOVE |
|-----------------------|---|------|----------|---------------------|-----------|---------------------|------------|-----------------|-----------|-----------|-----------------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | | RATE | AMOUNT | |
| 1/18 | Providing and fixing 20 mm dia Galvanized iron rungs for Foot steps at every 300 mm centre to centre complete as per drawings, specifications & as directed by the Engineer. | No. | 1,500 | 740 | 1,110,000 | 3,000 | 4,500,000 | 305 | 1,000 | 1,500,000 | 35 |
| 1/19 | Providing and fixing 200 mm dia Vent (MS) pipe including cowel and flange complete as per drawings, specifications and as directed by the Engineer. | No. | 22 | 25,000 | 550,000 | 20,000 | 440,000 | (20) | 20,000 | 440,000 | (20) |
| 1/20 | Cutting into existing conduit manholes for connecting various dia sewer lines making good to existing conduit wall, pipe and rendering etc. Complete as directed by the Engineer. | No. | 8 | 5,000 | 40,000 | 62,500 | 500,000 | 1,150 | 50,000 | 400,000 | 900 |
| 1/21 | Extra over Item No - 1/1 for continued dewatering after excavation and during construction of RCC Conduit / laying of pipe and any other structures including bedding, placing reinforcement, Concrete and back filling complete as directed by the Engineer. | Rm | 1,326 | 1,600 | 2,121,600 | 1000 | 1,326,000 | (38) | 1,000 | 1,326,000 | (38) |
| | i) In R.C.C Conduit 2.00 X 1.50 Meter | Rm | 1,270 | 1,600 | 2,032,000 | 1000 | 1,270,000 | (38) | 1,000 | 1,270,000 | (38) |
| | ii) In R.C.C Conduit 2.50 X 2.00 Meter | Rm | 2,450 | 600 | 1,470,000 | 1000 | 2,450,000 | 67 | 1,000 | 2,450,000 | 67 |
| | iii) In R.C.C Pipe upto 500 mm dia | Rm | 1,600 | 600 | 960,000 | 1000 | 1,600,000 | 67 | 100 | 160,000 | (83) |
| | iv) In R.C.C Pipe Above 500 mm dia | Rm | | | | | | | | | |
| CARRIED TO COLLECTION | | | | | 8,283,600 | | 12,086,000 | 46 | | 7,546,000 | (9) |

[Handwritten Signature]

| INDUSMIEN CORP. | | | N.L.C SOUTH | | | SHERJAN MOSAKKHAIL | | % BELOW / ABOVE |
|-----------------|------------|-----------------|-------------|-----------|-----------------|--------------------|------------|-----------------|
| RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | |
| 1,600 | 2,400,000 | 116 | 859 | 1,287,750 | 16 | 1,920 | 2,880,000 | 159,459,4595 |
| 35,000 | 770,000 | 40 | 30,250 | 665,489 | 21 | 25,000 | 550,000 | 0 |
| 50,000 | 400,000 | 900 | 25,250 | 202,000 | 405 | 200,000 | 1,600,000 | 3900 |
| 8000 | 10,608,000 | 400 | 1,010 | 1,339,280 | (37) | 6500 | 8,619,000 | 306.25 |
| 8000 | 10,160,000 | 400 | 1,010 | 1,282,700 | (37) | 7000 | 8,890,000 | 337.5 |
| 3000 | 7,350,000 | 400 | 1,010 | 2,474,500 | 68 | 3000 | 7,350,000 | 400 |
| 3,000 | 4,800,000 | 400 | 1,010 | 1,616,000 | 68 | 3,300 | 5,280,000 | 450 |
| | 36,488,000 | 340 | | 8,867,699 | 7 | | 35,169,000 | 324,5617847 |

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CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER

FROM GULSHAN YASEENABAD TO METROYIL (LS - 3)

ENGINEER'S ESTIMATE

BILL NO - 1 :- RCC CONDUIT AND ALLIED WORKS

| S.No | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | AA QUALITY BUILDERS | | HAJI SYED A | | | |
|-----------------------|---|------|----------|---------------------|-----------|---------------------|------------|-----------------|-------|------------|-----------------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE |
| 1/22 | Excavate, Construct and Maintain diversion of river including disposal of excavated material instructed by the Engineer for the safe construction of R.C.C conduit and other allied works till the completion of works in all respect and restoration in original condition, complete as per drawing and as directed by the engineer. The excavated material may be used for temporary bunds to prevent surface water flowing into permanent works. On completion of works the temporary bunds shall be removed and disposed as directed by the Engineer. | Rm | 2,590 | 800 | 2,072,000 | 6,975 | 18,065,250 | 772 | 2,000 | 5,180,000 | 150 |
| 1/23 | Construct and maintain the Access track (Eight meter wide) in river including any temporary culverts and crossing of drains etc. for transportation of materials, plants and equipment's including the movement of all kinds of traffic. The track shall be maintained and kept traffic worthy up to the end of defects liability period. | Rm | 2,590 | 1,000 | 2,590,000 | 15,000 | 38,850,000 | 1,400 | 4,000 | 10,360,000 | 300 |
| 1/24 | Extra over for using S.R cement in Class C-35/20 concrete. (cast in situ and Precast both) - (Provisional Quantity) | cum | 4,615 | 375 | 1,730,625 | 531 | 2,450,565 | 42 | 100 | 461,500 | (73) |
| 1/25 | Extra over for providing and using 25% G.G.B.S cement blended with Portland cement in specified proportion in Class C-35/20 concrete and as specified in specification (cast in situ and Precast both) - (Provisional Quantity) | cum | 2,308 | 375 | 865,500 | 813 | 1,876,404 | 117 | 500 | 1,154,000 | 33 |
| CARRIED TO COLLECTION | | | | | 7,258,125 | | 61,242,219 | 744 | | 17,155,500 | 136 |









| INDUSMEN CORP. | | | | NLC SOUTH | | | | SHERJAN MOSAFAHIL | | | |
|----------------|-------------|-----------------|--------|------------|-----------------|-------|------------|-------------------|--|--|--|
| RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE | | | |
| 12,000 | 31,080,000 | 1,400 | 15,150 | 39,238,500 | 1,794 | 6,000 | 15,540,000 | 650 | | | |
| 15,500 | 40,145,000 | 1,450 | 1,515 | 3,923,850 | 52 | 5,200 | 13,468,000 | 420 | | | |
| 950 | 4,394,250 | 153 | 354 | 1,631,403 | (6) | 1,500 | 6,922,500 | 300 | | | |
| 15,500 | 35,774,000 | 4,033 | 253 | 582,770 | (33) | 1,800 | 4,154,400 | 380 | | | |
| | 111,383,250 | 1,435 | | 45,376,523 | 525 | | 40,094,900 | 452,276,421 | | | |







CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER

**FROM GULSHAN YASEENABAD TO METROVIL (LS - 3)
ENGINEER'S ESTIMATE**

BILL NO - 1 :- RCC CONDUIT AND ALLIED WORKS

| S.No | PAGE NO | ENGINEER'S ESTIMATE | | | | | |
|--------------------|-------------------|---------------------|---------------------|-------------|----------------|-------------|-------------------|
| | | AMOUNT | AA QUALITY BUILDERS | HAJI SYED A | INDUSMEN CORP. | NLC SOUTH | SHERJAN MOSAKHAIL |
| 1 | B.O.Q PAGE NO - 2 | 80,752,705 | 131,326,500 | 102,787,200 | 138,030,820 | 223,150,918 | 106,049,870 |
| 2 | B.O.Q PAGE NO - 3 | 133,385,900 | 140,909,480 | 132,304,000 | 135,424,000 | 158,773,975 | 133,527,300 |
| 3 | B.O.Q PAGE NO - 4 | 196,011,500 | 191,038,560 | 188,660,000 | 204,186,264 | 195,581,450 | 189,323,000 |
| 4 | B.O.Q PAGE NO - 5 | 76,350,310 | 62,766,700 | 52,673,000 | 76,615,300 | 50,721,695 | 39,054,300 |
| 5 | B.O.Q PAGE NO - 6 | 97,159,800 | 47,071,500 | 42,363,000 | 129,448,800 | 49,602,464 | 26,398,250 |
| 6 | B.O.Q PAGE NO - 7 | 8,283,600 | 12,086,000 | 7,546,000 | 36,488,000 | 8,867,699 | 35,169,000 |
| 7 | B.O.Q PAGE NO - 8 | 7,258,125 | 61,242,219 | 17,155,500 | 111,383,250 | 45,376,523 | 40,084,900 |
| CARRIED TO SUMMARY | | 599,201,940 | 646,440,959 | 543,488,700 | 723,471,498 | 732,074,724 | 569,606,620 |

Handwritten signatures and initials

| | | | | | |
|-----------------|-------------|---------------|-------------|-------------|--------------|
| % BELOW / ABOVE | 7.883655884 | REBATE OF 13% | 723471497.6 | 22.17495891 | -4.939122861 |
| | | | | | |

CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLED WORKS ALONG LYARI RIVER
FROM GULSHAN YASEENABAD TO METROVIL (LS - 3)
ENGINEER'S ESTIMATE

BILL NO - 2 - GENERAL WORKS

| S.No. | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | AA QUALITY BUILDERS | | % BELOW / ABOVE | HAJI SYED MIR | | |
|-----------------------|--|----------|----------|---------------------|------------|---------------------|------------|-----------------|---------------|------------|-----------------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | | RATE | AMOUNT | % BELOW / ABOVE |
| 2/1 | Providing and maintain Temporary Site Office (Area minimum 100 sqm) with the provision of Electricity, telephone, Gas, water and drainage system including the payment of all taxes and utility bills, with separate toilet facility, all as specified or as directed by the Engineer. | month | 36 | 74,500 | 2,682,000 | 500,000 | 18,000,000 | 571 | 300,000 | 10,800,000 | 303 |
| 2/2 | Provide furniture, fixtures and equipment, all as specified or as directed by the Engineer, for Temporary Site Office. (The furniture, fixtures and equipment shall become property of the Employer after completion of the project). | Lump Sum | Job | | 1,975,000 | 2,000,000 | 2,000,000 | 1 | 2,000,000 | 2,000,000 | 1 |
| 2/3 | Maintain all specified furniture, fixtures and office equipment alongwith regular supplies of office stationary and consumables including janitorial services of Temporary Site Office. | month | 36 | 100,000 | 3,600,000 | 200,000 | 7,200,000 | 100 | 200,000 | 7,200,000 | 100 |
| 2/4 | Provide Assistance to Engineer's, Support Staff as specified: | | | | | | | | | | |
| | 1) Site Office Support Staff | month | 36 | 170,000 | 6,120,000 | 125,000 | 4,500,000 | (28) | 200,000 | 7,200,000 | 18 |
| | 2) Survey Staff with equipment and transport. | month | 36 | 365,000 | 13,140,000 | 325,000 | 11,700,000 | (11) | 250,000 | 9,000,000 | (32) |
| | 3) Laboratory Staff with transport. | month | 36 | 330,000 | 11,880,000 | 300,000 | 10,800,000 | (9) | 250,000 | 9,000,000 | (24) |
| 2/5 | Maintenance of Employer provided vehicles including comprehensive insurance, Driver and P.O.L as specified. | | | | | | | | | | |
| | (a) Suzuki (Swift) Model 2015 petrol engine | month | 36 | 90,000 | 3,240,000 | 200,000 | 7,200,000 | 122 | 70,000 | 2,520,000 | (22) |
| | (b) Honda City Aspire Model 2013 petrol engine | month | 36 | 90,000 | 3,240,000 | 200,000 | 7,200,000 | 122 | 70,000 | 2,520,000 | (22) |
| CARRIED TO COLLECTION | | | | | 45,877,000 | | 68,800,000 | 50 | | 50,240,000 | 10 |

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MS.

M. Zahid

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MS

CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER
 FROM GULSHAN YASEENABAD TO METROVIL (L.S - 3)
 ENGINEER'S ESTIMATE
 BILL NO-2 - GENERAL WORKS

| S.No | ITEMS OF WORKS | UNIT | QUANTITY | ENGINEER'S ESTIMATE | | MA QUALITY BUILDERS | | % BELOW / ABOVE | HAUL SYED NAR | | % BELOW / ABOVE |
|-----------------------|--|-----------------|-----------------|---------------------|------------|---------------------|------------|-----------------|---------------|-----------|-----------------|
| | | | | RATE | AMOUNT | RATE | AMOUNT | | RATE | AMOUNT | |
| 2/6 | Providing and making available at all times vehicles, including comprehensive insurance and registration etc. for use of the Engineer and his staff and employer in accordance with the specifications and as directed by the Engineer. (The vehicle shall become property of the Employer after completion of the project). (a) Suzuki Jimmy JLDX MT petrol engine with Latest AC Model or equivalent; (b) Suzuki (Cultus) 1000 cc petrol engine with AC Latest Model or equivalent. (c) Suzuki (High Roof) Bolan 800 cc petrol engine with AC Latest Model or equivalent. | No. | 1 | 3,290,000 | 3,290,000 | 3,680,000 | 3,680,000 | 12 | 4,000,000 | 4,000,000 | 22 |
| | | No. | 1 | 1,937,000 | 1,937,000 | 1,800,000 | 1,800,000 | (7) | 2,500,000 | 2,500,000 | 29 |
| | | No. | 1 | 1,115,000 | 1,115,000 | 1,200,000 | 1,200,000 | 8 | 1,500,000 | 1,500,000 | 35 |
| 2/7 | Maintenance of vehicles including Driver, P.O.L and comprehensive insurance provided under item No-2/6). | month | 36 | 90,000 | 3,240,000 | 80,000 | 2,880,000 | (11) | 90,000 | 3,240,000 | - |
| | | month | 36 | 78,000 | 2,808,000 | 60,000 | 2,160,000 | (23) | 90,000 | 3,240,000 | 15 |
| | | month | 36 | 78,000 | 2,808,000 | 60,000 | 2,160,000 | (23) | 90,000 | 3,240,000 | 15 |
| 2/8 | Location and protection of all public utility services encountered with in the works during the contract period including Telephone Cables, Water supply Lines, Sewers, Drains, Gas pipe lines, Oil refinery lines and Power Cables. | Job | Lump-Sum | 1,000,000 | 1,000,000 | 5,000,000 | 5,000,000 | 400 | 5,000,000 | 5,000,000 | 400 |
| | | Provisional Sum | Provisional Sum | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | - | 1,000,000 | 1,000,000 | - |
| 2/9 | Provisional Sum for payment to Utility Agencies for Re-location and / or their supervision charges where Required. | | | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | - | 1,000,000 | 1,000,000 | - |
| CARRIED TO COLLECTION | | | | 17,198,000 | 19,880,000 | 16 | 23,720,000 | 38 | | | |

15. *[Signature]*

[Signature]

CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER
FROM GULSHAN YASEENABAD TO METROVIL (LS - 3)
ENGINEER'S ESTIMATE
BILL NO - 2 - GENERAL WORKS

| S.No | PAGE NO | ENGINEER'S ESTIMATE | | | | | |
|--------------------|--------------------|---------------------|----------------------------|----------------------|----------------------|------------------|-------------------------|
| | | AMOUNT | AA QUALITY BUILDERS AMOUNT | HAJI SYED MIR AMOUNT | INDUSMEN CORP AMOUNT | NLC SOUTH AMOUNT | SHERJAN MOSAKHAL AMOUNT |
| 1 | B.O.Q PAGE NO - 10 | 45,877,000 | 68,600,000 | 50,240,000 | 59,147,400 | 54,600,000 | 40,463,600 |
| 2 | B.O.Q PAGE NO - 11 | 17,198,000 | 19,880,000 | 23,720,000 | 30,759,500 | 20,535,000 | 21,764,000 |
| CARRIED TO SUMMARY | | 63,075,000 | 88,480,000 | 73,960,000 | 89,906,900 | 75,135,000 | 62,227,600 |
| | | | 40,277,447.48 | 17,257,233.45 | 42,596,749.9 | 19,120,951.2 | -1,343,798.4 |

M. Yaseen


| INDUSMEN CORP | | | M.C SOUTH | | | SHERJAN MOSAKHAL | | |
|---------------|------------|-----------------|-----------|------------|-----------------|------------------|------------|-----------------|
| RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE | RATE | AMOUNT | % BELOW / ABOVE |
| 3,104,000 | 3,104,000 | (6) | 2,600,000 | 2,600,000 | (21) | 3,144,000 | 3,144,000 | -4,43768997 |
| 2,038,500 | 2,038,500 | 5 | 1,800,000 | 1,800,000 | (7) | 2,410,000 | 2,410,000 | 24,41920496 |
| 1,193,000 | 1,193,000 | 7 | 955,000 | 955,000 | (14) | 1,452,000 | 1,452,000 | 30,22421525 |
| 93,300 | 3,358,800 | 4 | 85000 | 3,060,000 | (6) | 90000 | 3,240,000 | 0 |
| 73,000 | 2,628,000 | (6) | 85000 | 3,060,000 | 9 | 81000 | 2,916,000 | 3,846153846 |
| 67,700 | 2,437,200 | (13) | 85000 | 3,060,000 | 9 | 82000 | 2,952,000 | 5,128205128 |
| 15,000,000 | 15,000,000 | 1,400 | 5,000,000 | 5,000,000 | 400 | 4,650,000 | 4,650,000 | 365 |
| 1,000,000 | 1,000,000 | - | 1,000,000 | 1,000,000 | - | 1,000,000 | 1,000,000 | 0 |
| | 30,759,500 | 79 | | 20,535,000 | 19 | | 21,764,000 | 26,54959879 |

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CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER
 FROM GULSHAN YASEENABAD TO METROVIL (LS - 3)
 ENGINEER'S ESTIMATE
 SCHEDULE OF DAY WORK RATES

1) LABOUR

| Item No. | Description | Unit | Nominal Quantity | ENGINEER'S ESTIMATE | | AA QUALITY B | | HAUL STED MHR | | INDUSMEN CORP. | | NLC SOUTH | | SHERJAN MOSAVAL | |
|---|--|------|------------------|---------------------|--------------|--------------|--------------|---------------|--------------|----------------|--------------|------------|--------------|-----------------|--------------|
| | | | | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) |
| D101 | Ganger (Foreman) | Hr | 15 | 125 | 1,875 | 325 | 4,875 | 200 | 3,000 | 75 | 1,125 | 195 | 2,925 | 125 | 1,875 |
| D102 | Labourer | Hr | 25 | 100 | 2,500 | 250 | 6,250 | 120 | 3,000 | 60 | 1,500 | 110 | 2,750 | 100 | 2,500 |
| D103 | Plumber | Hr | 15 | 125 | 1,875 | 325 | 4,875 | 200 | 3,000 | 100 | 1,500 | 165 | 2,475 | 120 | 1,800 |
| D104 | Mason | Hr | 15 | 125 | 1,875 | 325 | 4,875 | 200 | 3,000 | 100 | 1,500 | 330 | 4,950 | 130 | 1,950 |
| D105 | Carpenter | Hr | 15 | 125 | 1,875 | 325 | 4,875 | 200 | 3,000 | 100 | 1,500 | 300 | 4,500 | 135 | 2,025 |
| D106 | Steel Work Erector | Hr | 15 | 125 | 1,875 | 325 | 4,875 | 200 | 3,000 | 100 | 1,500 | 300 | 4,500 | 120 | 1,800 |
| D107 | Surveyor | Hr | 15 | 125 | 1,875 | 325 | 4,875 | 200 | 3,000 | 150 | 2,250 | 250 | 3,750 | 125 | 1,875 |
| D108 | Driver for vehicle up to 10 tons | Hr | 15 | 125 | 1,875 | 325 | 4,875 | 100 | 1,500 | 90 | 1,350 | 150 | 2,250 | 135 | 2,025 |
| D109 | Operator for Excavator, Dragline, shovel or crane | Hr | 15 | 125 | 1,875 | 325 | 4,875 | 100 | 1,500 | 85 | 1,275 | 200 | 3,000 | 135 | 2,025 |
| D110 | Operator for tractor, (tracked) with dozer blade or ripper | Hr | 15 | 125 | 1,875 | 325 | 4,875 | 100 | 1,500 | 100 | 1,500 | 170 | 2,550 | 120 | 1,800 |
| D111 | Welder | Hr | 15 | 125 | 1,875 | 250 | 3,750 | 200 | 3,000 | 100 | 1,500 | 250 | 3,750 | 120 | 1,800 |
| SUB TOTAL | | | | | 21,250 | | 53,875 | | 28,500 | | 12,263 | | 37,400 | | 21,475 |
| Add percent adjustment for Contractor's overhead, profit, etc. | | | | 25% | 5,313 | 45% | 24,244 | 30% | 8,550 | 75% | 12,263 | 25% | 9,350 | 25% | 5,369 |
| Total for Day work: Labour: (Carried forward to Day work Summary) | | | | | 26,563 | | 78,119 | | 37,050 | | 28,813 | | 46,750 | | 26,844 |

[Handwritten signatures and initials]

CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER
 FROM GULSHAN YASEENABAD TO METROVIL (LS - 3)
 ENGINEER'S ESTIMATE
 SCHEDULE OF DAY WORK RATES

B) MATERIAL

| Item No. | Description | Unit | Nominal Quantity | ENGINEER'S ESTIMATE | | AA QUALITY B | | HAUL/STVED M/R | | INDUISMENT CORP. | | NLC SOUTH | | SHERMAN MOSAMMAD | | | |
|---|--|-------|------------------|---------------------|--------------|--------------|--------------|----------------|--------------|------------------|--------------|------------|--------------|------------------|--------------|---------|---------|
| | | | | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) | | |
| D201 | Cement, ordinary Portland or equivalent in bags | M.Ton | 2 | 11,600 | 23,200 | 11,600 | 23,200 | 12,000 | 24,000 | 12,000 | 24,000 | 12,000 | 24,000 | 12,805 | 25,610 | 11,400 | 22,800 |
| D202 | Sulphate resisting cement | M.Ton | 2 | 12,000 | 24,000 | 12,000 | 24,000 | 12,500 | 25,000 | 13,200 | 26,400 | 12,935 | 25,870 | 12,000 | 24,000 | 12,000 | 24,000 |
| D203 | Mild Steel reinforcing bar upto 16mm diameter to BS 4449 or equivalent | M.Ton | 2 | 95,000 | 190,000 | 110,000 | 220,000 | 105,000 | 210,000 | 110,000 | 220,000 | 110,000 | 220,000 | 118,600 | 239,200 | 101,000 | 202,000 |
| D204 | Fine aggregate for concrete | Cum | 100 | 777 | 77,700 | 920 | 92,000 | 1,200 | 120,000 | 700 | 70,000 | 1,435 | 143,488 | 1,400 | 140,000 | 1,400 | 140,000 |
| D205 | Coarse aggregate | Cum | 100 | 1,130 | 113,000 | 1,235 | 123,500 | 1,200 | 120,000 | 800 | 80,000 | 1,435 | 143,488 | 1,600 | 160,000 | 1,600 | 160,000 |
| D206 | Gabion with stone fill | Cum | 50 | 4,238 | 211,900 | 1,600 | 80,000 | 1,800 | 90,000 | 1,200 | 60,000 | 2,826 | 141,280 | 1,800 | 90,000 | 1,800 | 90,000 |
| D207 | M.S. Plate upto 10mm thick grade x 42 API | M.Ton | 1 | 105,000 | 105,000 | 220,000 | 220,000 | 140,000 | 140,000 | 130,000 | 130,000 | 200,000 | 200,000 | 105,000 | 105,000 | 105,000 | 105,000 |
| D208 | Granular sub base | Cum | 30 | 883 | 26,490 | 990 | 29,700 | 1,200 | 36,000 | 700 | 21,000 | 1,033 | 30,993 | 800 | 24,000 | 800 | 24,000 |
| SUB TOTAL | | | | | 771,290 | | 812,400 | | 765,000 | | 631,400 | | 949,929 | | 767,800 | | 767,800 |
| Add percent adjustment for Contractor's overhead, profit, etc. | | | | 23% | 192,823 | 45% | 365,580 | 30% | 229,500 | 43% | 284,130 | 25% | 237,482 | 25% | 191,950 | | 191,950 |
| Total for Day work Material (Carried forward to Day work Summary) | | | | | 964,113 | | 1,177,980 | | 994,500 | | 915,530 | | 1,187,411 | | 959,750 | | 959,750 |

[Handwritten signatures and initials]

CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLEED WORKS ALONG LVARI RIVER
 FROM GULSHAN YASEENABAD TO METROVIL (LS - 3)
 ENGINEER'S ESTIMATE
 SCHEDULE OF DAY WORK RATES

| Item No. | Description | Unit | Nominal Quantity | ENGINEER'S ESTIMATE | | AA QUALITY B | | HAAL SYED AHR | | INDUSMEN CORP. | | N.C SOUTH | | SHERJAN KOSARHAI | |
|---|---|------|------------------|---------------------|--------------|--------------|--------------|---------------|--------------|----------------|--------------|------------|--------------|------------------|--------------|
| | | | | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) | RATE (Rs.) | AMOUNT (Rs.) |
| D301 | Excavator and Back Hoos (with or with out hammer) 1. JCB-III or equivalent. 2. CAT 225 or equivalent | Hr | 15 | 2,000 | 30,000 | 5,000 | 75,000 | 3,000 | 45,000 | 1,800 | 27,000 | 2,875 | 43,125 | 2,500 | 37,500 |
| D302 | Tractor (track) including bull or angle door: 1. Up-to and including 150HP 2. Over 150 to 200 HP 3. Over 200 to 250 HP | Hr | 15 | 800 | 12,000 | 3,000 | 45,000 | 1,000 | 15,000 | 1,200 | 18,000 | 2,300 | 34,500 | 2,500 | 37,500 |
| D303 | Tractor with ripper: 1. Up-to and including 200HP 2. Over 200 to 250 HP | Hr | 15 | 1,500 | 22,500 | 2,000 | 30,000 | 1,000 | 15,000 | 1,400 | 21,000 | 4,025 | 60,375 | 2,000 | 30,000 |
| D304 | Wheel loader upto 3m ³ | Hr | 15 | 1,800 | 27,000 | 2,500 | 37,500 | 1,000 | 15,000 | 1,500 | 22,500 | 5,175 | 77,625 | 2,000 | 30,000 |
| D305 | Dump Truck | Hr | 15 | 1,500 | 22,500 | 2,500 | 37,500 | 2,000 | 30,000 | 1,600 | 24,000 | 4,258 | 63,870 | 2,500 | 37,500 |
| D306 | Water Tanker | Hr | 15 | 1,000 | 15,000 | 2,000 | 30,000 | 2,000 | 30,000 | 1,500 | 22,500 | 1,910 | 28,650 | 2,000 | 30,000 |
| D307 | Hand Compactor | Hr | 15 | 500 | 7,500 | 2,000 | 30,000 | 1,000 | 15,000 | 600 | 9,000 | 2,619 | 39,285 | 1,000 | 15,000 |
| D308 | Batching Plant | Hr | 15 | 1,500 | 22,500 | 15,000 | 225,000 | 5,000 | 75,000 | 3,000 | 45,000 | 10,590 | 158,850 | 6,000 | 90,000 |
| D309 | Welding Plant | Hr | 15 | 1,000 | 15,000 | 3,000 | 45,000 | 2,000 | 30,000 | 800 | 12,000 | 3,450 | 51,750 | 500 | 7,500 |
| D310 | Generator upto 55 KVA | Hr | 15 | 1,000 | 15,000 | 5,000 | 75,000 | 2,000 | 30,000 | 2,000 | 30,000 | 1,725 | 25,875 | 2,500 | 37,500 |
| D311 | Dewatering Pumps | Hr | 15 | 800 | 12,000 | 4,000 | 60,000 | 2,000 | 30,000 | 1,500 | 22,500 | 7,475 | 112,125 | 1,500 | 22,500 |
| D312 | Jack Hammer | Hr | 15 | 800 | 12,000 | 5,000 | 75,000 | 3,000 | 45,000 | 800 | 12,000 | 5,494 | 82,417 | 300 | 4,500 |
| D313 | Compressor | Hr | 15 | 500 | 7,500 | 3,000 | 45,000 | 3,000 | 45,000 | 1,000 | 15,000 | 2,059 | 30,885 | 300 | 4,500 |
| SUB TOTAL | | | | 319,500 | 1,057,500 | | 1,057,500 | | 525,000 | | 357,000 | | 956,362 | | 526,500 |
| Add percent adjustment for Contractor's overhead, profit, etc. | | | | 25% | 79,875 | 45% | 475,875 | 30% | 157,500 | 40% | 142,800 | 25% | 239,091 | 25% | 131,625 |
| Total for Day work Construction Plant (Carried forward to Day work Summary) | | | | | 399,375 | | 1,533,375 | | 682,500 | | 499,800 | | 1,195,453 | | 658,125 |

[Handwritten signatures and initials]

**CONSTRUCTION OF NEW RCC CONDUIT AND OTHER ALLIED WORKS ALONG LYARI RIVER
FROM GULSHAN YASEENABAD TO METROVIL (LS - 3)**

**ENGINEER'S ESTIMATE
SCHEDULE OF DAY WORK RATES**

Summary (Day-Work)

| Number | Description | ENGINEER'S ESTIMATE | | | | | |
|--|--|---------------------|----------------------|----------------------|-----------------------|------------------|--------------------------|
| | | AMOUNT | AA QUALITY B. AMOUNT | HAJI SYED MIR AMOUNT | INDUSMEN CORP. AMOUNT | NLC SOUTH AMOUNT | SHERJAN MOSAKHAIL AMOUNT |
| 1 | Total for Day-work: Labour | 26,563 | 78,119 | 37,050 | 28,613 | 46,750 | 26,844 |
| 2 | Total for Day-work: Material | 964,113 | 1,177,980 | 994,500 | 915,530 | 1,187,411 | 959,750 |
| 3 | Total for Day-work: Construction Plant | 399,375 | 1,533,375 | 682,500 | 499,800 | 1,195,453 | 658,125 |
| Total for Day work: (Carried forward to Summary of cost) | | 1,390,051 | 2,789,474 | 1,714,050 | 1,443,943 | 2,429,614 | 1,844,719 |
| | | % BELOW / ABOVE | 100.6742199 | 23.30842537 | 3.876980053 | 74.78596109 | 18.32076685 |

 (Akmal Haseeb)
 (H. Farid)
 (M. Farid)
 (M. Farid)
 (M. Farid)
 (M. Farid)
 (M. Farid)