OFFICE OF THE EXECUTIVE ENGINEER BUILDINGS-III

WORKS AND SERVICES DEPARTMENT KARACHI

VOUME-II: BILL OF QUANTITIES

(SINGLE STAGE ONE ENVELOPE METHOD)

(Along with eligibility & minimum qualification criteria *Method of Procurement)

NAME OF WORK **:- IMPROVEMENT / REHABILITATION OF ROADS & SEWERAGE LINE ALONG WITH BLOCK-P & Q, NORTH NAZIMABAD, KARACHI**

1.	Estimated Cost	Rs. 19.700 Million
2.	Bid Security	2% of Bid Amount
3.	Tender Cost	Rs. 3000/-

EXECUTIVE ENGINNER
BUILDING-III,W&S DEPARTMENT
KARACHI

Issued to M/S _____ P.O/D.R. No. _____

_____ Dated. _____

_____

Signature & Stamp of issuing Authority.

WORKA & SERVICES DEPARTMENT GOVERNMENT OF SINDH

ENGINEERING DEPARTMENT

IMPROVEMENT / REHABILITATION OF ROAD & SEWERAGE LINE ALONG BLOCK-P & Q, NORTH NAZIMABAD, KARACHI

SCHEDULE...B.....

SR. #	Description	Unit	Quantity	Rate	Amount (Rs)
	PART-A (Items Based on Schedule Rates)				
1	Earth work excavation undressed lead upto a single throw of Kassi, Phawran or Shovel in Ordinary Soil **(Vol-III, Part-II, Chap-1, Pg-1, Sr. 1-b)**	%oCft	24,400.00	Rs. 1,361.25	Rs. 33,215.00
2	Dismantling of Cement Concrete Plain Ratio 1:2:4 etc complete **(Vol-III, Part-II, Chap-2, Pg-10, Sr. 19-c)**	% Cft	2,160.00	Rs. 3,327.50	Rs. 71,874.00
3	Dismantling and Removing Road Metalling etc complete **(Vol-III, Part-II, Chap-2, Pg-13, Sr. 51)**	% Cft	51,310.00	Rs. 605.00	Rs. 310,426.00
4	Cleaning/Desilting of existing manhole/inspection chamber i/c cleaning and rodding of connected sewers (average 50'-0" per manhole removing sewage and solid waste and throwing out side KMC Limits. **(Vol-III, Part-II, Chap-18, Pg-109, Sr. 96)**	P.Mnhl	50.00	Rs. 474.83	Rs. 23,742.00
5	Excavation for Pipe line in Trenches and pits in Soft rock by Hammering and chiselling where blasting is not practicable or prohibited i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade,cutting joint holes and disposal of surplus earth within a one chain as per directed by engineer incharge,Providing frence guards,light flags and temporary crossing for non-vehicular traffic where ever requaired lift upto 5ft(1.52m) and lead upto one chain (30.5m) **(Vol-IV, Part-VI, Ch-2, Pg-60, Sr. 1)**	%oCft	137,000.00	Rs. 10,770.00	Rs. 1,475,490.00
6	P/L RCC Pipe of ASTM C-76-62 TIC 7670,class II wall B and fixing in trench i/c cutting fitting and jointing with rubber ring i/c testing with water to specified presure.				
	12" Dia RCC Pipe Line	P.Rft	500.00	Rs. 412.00	Rs. 206,000.00
	15" Dia RCC Pipe Line	P.Rft	1,000.00	Rs. 515.00	Rs. 515,000.00
	(Vol-IV, Part-VI, Ch-2, Pg-17, Sr. 1-a, b)				
7	Constructing manhole or inspection chamber for the required diameter of circular sewer and 3'-6" (1067 mm) depth with walls of B.B in cement sand mortar 1:3 cement plastered 1:3, 1/2" thick, inside of walls and 1" (25 mm) thick over benching and channel i/c fixing C.I manhole cover with frame of clear opening 1-1/2' x1-1/2' (457x457 mm) of 1.75 cwt. (88.9 kg) embaded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6" (150 mm) wide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C/C duly painted etc. Complete as per standard specification and drawing. **(Vol-IV, Part-VI, Chap-2, Pg-46, Sr. 1)**	Each	99.00	Rs. 14,748.00	Rs. 1,460,052.00

SR. #	Description	Unit	Quantity	Rate	Amount (Rs)
8	Manufacturing and supply RCC manhole cover cast in 1:2:4 concrete ratio 3 inch deep at center rainforced with 3/8" dia tor steel bars at 4" c.c welded to 1/8" thick 2.5 inch deep M.S plate i/c curing stacking and transportation with in 10 miles.				
	21" Dia	Each	20.00	Rs. 913.63	Rs. 18,273.00
	24" Dia	Each	10.00	Rs. 1,051.25	Rs. 10,513.00
	(Vol-III, Part-V-B, Chap-16, Pg-31, Sr. 1-a,b)				
9	Full hire charges of the pumping set per day inclusive of wage of driver and assistant fuel or electric energy plate form required for placing pump etc at lower depth with suction and delivery pipe for pumping out water found at various depth from trenches i/c the cost of erection and dismantling after completion of the job. Higher charge of pumping set of into 10 HP (but not less than 5 HP) pumping out water from 10' deep trench **(Vol-IV/Part-VI-Pg-77,Itm- 23(iv)**	P.Day	51.00	Rs. 1,500.00	Rs. 76,500.00
10	Refilling the excavated stuff in trenches 6" thick layer i/c watering ramming to full compaction etc. complete.	%oCft	120,662.00	Rs. 2,760.00	Rs. 333,027.00
11	Cartage of 100 CFT / 5 tons of all material likes one aggregate, spawl, coal, lime, surkhi etc. B.G. Rait fastenings points & crossing Bridges Girders, Pipes, Sheets Raits, M.S. Bars etc. or 1000 Nos brinks, 10' x 5' x 3' or 1000 manuds of fuel wood by trucks or any other means owned by the contractors (Lead upto 15 Miles etc). **(Vol-I, Part-I, Chap-1, Pg-1, Sr. 1)**	% Cft	77,870.00	Rs. 1,065.04	Rs. 829,347.00
12	Preparing Sub-Base by supplying and spreading well graded pit or bed run gravel having a liquit limt not greater than 25 and plasticity index not greater than 6 in proper camber and grade including watering rolling and compacting in layers, thickness of each compacted layer not exceeding 6" compacted upto 98-100% density as per modified AASHO density (Rate i/c all cost of materials T&P and carriage upto 3 chanins). **(Vol-III (Highways) Chap-2, Pg-4, Sr. 11c)**	% Cft	81,650.00	Rs. 3,341.71	Rs. 2,728,506.00
13	Providing and laying Aggregate base course in proper grade and camber having CBR 80% as per AASHTO standard specifications i/c spreading and compacting by approved mechanical menas (Motor grader, Vibratory roller and Smooth wheel roller etc) watering to maintain the moisture content the compaction of each layer shall 100 percent to the max dry density (Rate i/c all cost of materials T&P and carriage upto 3 chains). **(Vol-III (Highways) Chap-2, Pg-5, Sr. 13b)**	% Cft	24,400.00	Rs. 5,542.24	Rs. 1,352,307.00

SR. #	Description	Unit	Quantity	Rate	Amount (Rs)
14	Laying to Proper line and grade plant mixed Asphalt concrete paver finished (Hydraulic / Electronic control) Prepared to specified fomula according to job mix formula approved by Engineer incharge including rolling and finishing to Properline, grade level and camber etc: (Machinery with POLs cost of material carriage). 2" (50 mm) Thick Asphalt Concrete Wearing Course Plant Mix **(Vol-III (Highways) Chap-7, Pg-11, Sr. 31)**	% Sft	48,800.00	Rs. 8,274.73	Rs. 4,038,068.00
15	Making connection with the existing manhole i/c the cost of cutting hole in wall making them good in CC 1:2:4 and making requaired channel etc complete. **(Vol-III, Part-V-B, Chap-16, Pg-31, Sr. 3)**	Each	80.00	Rs. 180.00	Rs. 14,400.00
16	Cleaning inside sewerage lines completely restoring original silt free space/Diameter of pipe lines by Labour and equiqment (Mechanically / Electrically Driver) i/c accessaries like wise pulley's steel rope buckets and draggers sizing from 12" to 48" Dia their to and fro pulling action (No of [asses shall be as required) would be undertaken in two phases (first phase entire length from downstream to upstream) bringing down peak hours sewerage to flow inside pipe line (as free flow and other protection like sefety barriers traffic comes ensuring no damaged to pipe line alongwith ensuring safety to labour and other public property / lies and removal of silts/solids during de-silting and cleaning of site etc complete as per full satisfaction of site incharge.				
	12" Dia RCC Pipe Line	P.Rft	3,000.00	Rs. 80.50	Rs. 241,500.00
	15" Dia RCC Pipe Line	P.Rft	6,000.00	Rs. 96.60	Rs. 579,600.00
	(Vol-III/Part-VB-Chp:16 Pg-30,Itm- 1(iii)				
17	Providing and laying reinforced cement concrete having 4000 PSI cylindrical strength (ready mixed concrete) including all kinds of formwork, hoisting, placing, placing compacting, finishing, curing complete in all respect as shown on the drawing.	% Cft	3,750.00	Rs. 28,814.60	Rs. 1,080,548.00
				TOTAL AMOUNT OF SCHEDULE ITEMS	**Rs. 15,398,388.00**

PART-B (Items Based on Non Schedule Rates)

1	Desilting of Nallah i/c disposal of surplus material	P.Cft	180,000.00		
2	Repair of leakages RCC pipe line under the roadway as directed by the Engineer Incharage.(A.R)				
	15" Dia	Each	4.00		
	18" Dia	Each	4.00		
	24" Dia	Each	4.00		
3	Repair of Water leakages in MS pipe line under the roadway as directed by the Engineer Incharage.(A.R)				
	15" Dia	Each	4.00		
	18" Dia	Each	4.00		

SR. #	Description	Unit	Quantity	Rate	Amount (Rs)
4	Raising of existing sewerage manholes/ service chamber cement concrete 1:2:4 upto 2' height i/c fixing of manhole cover with RCC ring slab etc.complete (A/R)	Each	25.00		
5	Construction of CC Catch Pits size 2'x2' inside dimension & 3.5' deep for rainy water drain i/c the cost of excavation, 4" Thick 1:4:8 bed, 2" thick CC floor, 1/2" thick 1:4 cement plaster inside the chamber, 1:2:4 CC Walls 6" Thick etc complete	Each	5.00		

TOTAL AMOUNT OF NON SCHEDULE ITEMS

OFFICE OF THE EXECUTIVE ENGINEER BUILDINGS-III

WORKS AND SERVICES DEPARTMENT KARACHI

QUOTED BID (SUMMARY)

NAME OF WORK **:- IMPROVEMENT / REHABILITATION OF ROADS & SEWERAGE LINE ALONG WITH BLOCK-P & Q, NORTH NAZIMABAD, KARACHI**

Date of Issuance from Publication to	02-09-2016
Date of Dropping Tender.	20-09-2016 Upto 2:00 P.M
Date of Opening.	20-09-2016 at 2:30 P.M

I/We hereby quoted as follows.

	In figures	**In words.**
PART-A **Civil Works Schedule Items** **@_____%** Above / Below on S.R Items		
PAR-B **Items Based on Non Schedule Items**		
G R A N D T O T A L (A + B)		

The total amount is Rs._____ (Rupees _____
(In figures) (In words)

_____ for the complete job for all schedule of rate, approved rate & other rates

(whichever is included in the BOQ)

I / We have attach a Bid Security amount to Rs._____ as per NIT in shape of pay order bearing

No._____ dated _____ issued from _____
(Bank)

Time Limit - -Months

Validity 90+30 Days as SPP Rules 2010.

NOTE:

Tender must be quoted in figure & in word both otherwise liable to be cancelled. All over writing & correction if any must be initialed & stamped by the bidder.

For office use.

Verified BOQ by

Signature of the contractor with stamp

Address._____