



**Ravi Urban Development Authority
Government of the Punjab**



No. RUDA/ENGG-CON/2026/128

Dated: 14/09/2026

**INFRASTRUCTURE DEVELOPMENT OF 5.5KM RIGHT-SIDE
PROMENADE (RD 29+500 TO RD 47+500)**

ADDENDUM NO. 01

TO

BIDDING DOCUMENTS

Enclosed herewith, please find Addendum No. 01 which forms part of the Bidding Documents for the above-cited contract package. This addendum shall become an integral part of the Bidding Documents.

It is to be notified that following the issuance of this addendum, it is understood that the information contained therein shall be considered by you in your bid.

Nevertheless, the bidders are required to immediately acknowledge the receipt of an addendum in writing to the Employer.

Executive Director Engineering
Ravi Urban Development Authority (RUDA)

Encl: As stated

Copy To:

- 1- Director Engineering Procurement & Contracts, RUDA
- 2- Mr. Jamshaid Faisal Janjua, Project Manager, M/s NESPAK
- 3- Office File



Address: 5-C Muslim Town, Facing Canal Road, Lahore



Ravi Urban Development Authority
Government of the Punjab



INFRASTRUCTURE DEVELOPMENT OF 5.5KM RIGHT-SIDE
PROMENADE (RD 29+500 TO RD 47+500)

ADDENDUM NO. 01

TO

BIDDING DOCUMENTS

The Bidding Documents for the above cited contract package are amended by revising and replacing the following pages. The bidders shall replace these pages in their copy of the Bidding Documents and shall acknowledge receipt of this addendum.

Pages to be replaced:

Document Page No. (to be replaced)	Replacement Page No.	Document Description	Volume No.
EQ&QUF-35	EQ&QUF-35 (R1)	Past Performance & Current Commitments	I
EQ&QUF-36	EQ&QUF-36 (R1)	Past Performance & Current Commitments	I
5	5 (R1)	Part-A (Contract Data)	I
1	1 (R1)	Part-B (Special Provisions – Particular Conditions)	I
3	3 (R1)	Part-B (Special Provisions – Particular Conditions)	I
4	4 (R1)	Part-B (Special Provisions – Particular Conditions)	I
5	5 (R1)	Part-B (Special Provisions – Particular Conditions)	I
19	19 (R1)	Part-B (Special Provisions – Particular Conditions)	I
20	20 (R1)	Part-B (Special Provisions – Particular Conditions)	I
All Pages of Vol-II (BOQ)	Revised all Pages of Vol-II (BOQ)	Bill of Quantities	II



Address: 5-C Muslim Town, Facing Canal Road, Lahore



L - 1
Schedule - L to Bid

PAST PERFORMANCE, CURRENT COMMITMENT, EQUIPMENT & PERSONNEL QUALIFICATION AND EXPERIENCE

1. PAST PERFORMANCE AND CURRENT COMMITMENTS

Sr. No.	Description	Marks	Remarks
1.	Past Projects of Similar Nature and Complexity completed over last 10 years: - Embankments for Roads of value PKR 1000 million or above (4 marks): 4 marks for two or more projects 2.6 marks for one project - Road Works of value PKR 2000 million or above (8 marks): 8 marks for two or more projects 5.2 marks for one project - Electrical Works of value 500 million or above (4 marks): 4 marks for two or more projects 2.66 marks for one project - Drainage Works of value 400 million or above (4 marks): 4 marks for two or more projects 2.66 marks for one project	20	- Only projects of similar nature and complexity shall be entertained for evaluation (i.e infrastructure development, Motorway projects etc.) - No marks shall be given if the taking-over / substantial completion / performance certificate is not attached - Certificates as mentioned in para b) must include completion date, value of work, description of work duly signed by authorized rep. of the Employer. - Cost of relevant categories should be clearly mentioned and highlighted in the summary page of priced BOQ issued by the Employer.
2.	In-Hand Projects of Similar Nature and Complexity commenced in last 5 years: - Embankments for Roads of value PKR 1200 million or above (3 marks): 3 marks for two or more projects 1.95 marks for one project - Road Works of value PKR 2500 million or above (8 marks): 8 marks for two or more projects 5.2 marks for one project - Electrical Works of value 700 million or above (2 marks): 2 marks for two or more projects 1.3 marks for one project - Drainage Works of value 600 million or above (2 marks): 2 marks for two or more projects 1.3 marks for one project	15	- Only projects of similar nature and complexity shall be entertained for evaluation (i.e infrastructure development, Motorway projects etc.) - No marks shall be given if the Award / Acceptance Letter / Work Order and valid Extension of Time (EOT) are not attached - Letters as mentioned in para b) must include award date, value of work awarded, description of work awarded duly signed by authorized rep. of the Employer. - Cost of relevant categories should be clearly mentioned and highlighted in the summary page of priced BOQ issued by the Employer.
	Total of Category-B	35	

Note:

- For qualification of the Bidder (Single Entity/JV/Consortium), Minimum 65% marks are necessary in each category and Minimum 70% overall marks are necessary for qualification requirement as per criteria given in Schedules - K & L to Bid.





- *In case of JV/Consortium, the lead member must secure at least 50% marks in each category. If Lead partner fails to achieve the minimum 50% passing marks in any category of Schedules – K & L to Bid, the JV / Consortium will not be evaluated further and will be considered as technically non-responsive overall.*

For the purpose of evaluation of project experience, including the assessment of the required project value and component values under the qualification criteria, only the value of the works actually executed, as reflected in the respective Bill of Quantities (BOQ) or final IPC, shall be considered. Any price adjustments, escalation or indexation, currency fluctuations, or other post-award cost adjustments of any sorts shall not be taken into account for qualification and evaluation purposes.

Where the completion date is not specified in the Letter of Acceptance (LOA), the bidder shall submit any other documentary evidence issued by the Client establishing the contractual completion date. In case the stipulated completion date has expired, the bidder shall provide a valid Extension of Time (EOT) duly granted by the Client to be considered as on-going project. Where the EOT is still under process, the bidder shall submit a letter or other documentary evidence from the Client confirming that the EOT request has been formally initiated and is under consideration.



**Part A - Contract Data**

Sub-Clause	Data to be Given	Data
14.2.3	percentage deductions for the repayment of the Advance Payment	Deduction shall be made at the amortization rate of 10 % of the value of the Works executed of each IPC as provided in paragraph (i) of Sub-Clause GCC 14.3, starting from 2nd IPC provided that the advance payment shall be completely repaid prior to the time when 90% of the Accepted Contract Amount Less Provisional Sums has been certified for payment. It may be more than 10% in the last instalment to ensure full repayment.
14.3	period of payment	28 Days
14.3(b)	number of additional paper copies of Statements	03 Nos.
14.3 (iii)	percentage of retention	Not Applicable
14.3 (iii)	Limit of retention money (as a percentage of the Contract Price.	Not Applicable
14.5(b)(i)	Plant and Materials for payment when shipped	N/A
14.5(c)(i)	Plant and Materials for payment when delivered to the Site	N/A
14.6.2	minimum amount of Interim Payment Certificate (IPC)	Rs 800 million
14.7(a)	period of payment of Advance Payment to the Contractor	10 days → R1
14.7b(i)	period to make interim payments to the Contractor under Sub-Clause 14.6 [Interim Payment]	10 days. → R1
14.7b(ii)	period for the Employer to make interim payments to the Contractor under Sub-Clause 14.13 (Final Payment)	28 days.
14.7(c)	period for the Employer to make final payment to the Contractor	56 days
14.8	financing charges for delayed payment	Fixed All-In Financing Rate (Y), without compounding, as stated in the accepted Letter of Price Bid
14.11.1(b)	number of additional paper copies of draft Final Statements	05
14.15	currencies of payment of Contract Price	Pak Rupees





PART B - SPECIAL PROVISIONS

1.1 DEFINITIONS

- 1.1.31 The Employer is, Ravi Urban Development Authority (RUDA), Engineering Wing of RUDA, 5-C Muslim Town, Facing Canal, Near Punjab Group of Colleges, Lahore., represented by:
Chief Executive Officer, RUDA
151-Abu Bakar Block, Garden Town, Lahore
- 1.1.35 The Engineer is a competent person appointed by the Managing Director, NESPAK to act as the Engineer on behalf of National Engineering Services Pakistan (Pvt.) Limited, NESPAK House, 1-C, Block N – Model town Extension, Lahore or any other person appointed by the Employer, and notified to the Contractor, to act in replacement of the Engineer. Provided always that except in cases of professional misconduct, the outgoing Engineer is to formulate his clarifications / recommendations in relation to all outstanding matters, disputes and claims relating to the execution of the Works during his tenure.
- 1.1.76 “Specifications”
Following is added at the end: “and consists of two parts i.e.,
(i) “Part A – Specific Provisions”; and
(ii) “Part B – Technical Provisions”.”

Following definitions are added after Sub-Clause 1.1.88:

- 1.1.89 ‘Fixed All-In Financing Rate’ or ‘Y’ means the fixed annual percentage rate stated in the accepted Letter of Price Bid and used under Sub-Clause 14.18. Y remains fixed, includes all routine financing costs borne by the Contractor, is not linked to KIBOR or any other benchmark, and is used as a decimal fraction in calculations.
- 1.1.90 ‘Certified Payment Amount’ means, for a Payment Certificate issued under Sub-Clause 14.6, the amount certified as payable for the Works after applying the measurement, valuation, Advance Payment recovery **Retention Money** and other additions or deductions required by the Contract, but excluding Punjab Sales Tax (PST) and Financing Charges. Its determination does not amend the measurement, valuation, statement or certification procedure under Clauses 12, 13 or 14.
- 1.1.91 ‘Current Payment Amount’ means fifty percent (50%) of the Certified Payment Amount, payable under Sub-Clause 14.7.
- 1.1.92 ‘Deferred-Eligible Amount’ means the remaining fifty percent (50%) of the Certified Payment Amount, administered under Sub-Clause 14.18.
- 1.1.93 ‘Settlement Reference Date’ means, for each Deferred-Eligible Amount, the date on which the Engineer issues the corresponding Payment Certificate under Sub-Clause 14.6. Each Payment Certificate has its own Settlement Reference Date.

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informed and independent parties without compulsion; land or plots are valued as Serviced Land.

1.1.109 'Settlement Value' means the amount of a monetary obligation discharged by an In-Kind Settlement, determined under Sub-Clause 14.18.8 without remeasuring or repricing the Works.

1.1.110 'Prepayment' means voluntary settlement of Outstanding Deferred Principal before its scheduled Repayment Date.

1.1.111 'Contractor Financing' means financial resources arranged and maintained by the Contractor at its own cost and risk to execute the Works and support the deferred-payment mechanism.

1.1.112 'Financing Evidence' means the evidence required under the Bidding Documents and Sub-Clause 4.24 demonstrating the Contractor's financing capacity.

1.1.113 'Financing Longstop Date' means ten (10) calendar days before the intended Commencement Date.

1.1.114 'Nomination Date' means the date stated in the Employer's valid in-kind settlement notice on which specified Eligible In-Kind Consideration is irrevocably identified and allocated to the relevant settlement, subject to Sub-Clause 14.18.9.

1.1.115 'Administrative Completion Period' means sixty (60) calendar days after the Nomination Date for completing valuation, documentation, approvals, transfer, allotment, registration, vesting or other perfection of an In-Kind Settlement.

1.1.116 'Independent Valuer' means a suitably qualified and experienced valuation professional or firm independent of the Parties and selected from the pre-approved panel under Sub-Clause 14.18.8.

1.1.117 'Authority Undertaking' means Form AU-1 issued by the Employer as Payment Support under Sub-Clause 2.7.

1.2 INTERPRETATION

"and" is deleted from the end of sub-paragraph (i) and added at the end of sub-paragraph (j).

Sub-paragraph (k) is added:

"(k) The word "tender" is synonymous with "bid" the word tenderer with "bidder", the words "tender documents" with "bidding documents" and "Schedule of Prices" with "Bill of Quantities", as applicable."

1.5 PRIORITY OF DOCUMENTS

The documents listed in Sub-Clause 1.5 of the General Conditions are deleted and substituted with the following order of priority:

- a) the Contract Agreement;
- b) the Letter of Acceptance;
- c) the Letter of Technical Bid and Letter of Price Bid;
- d) the Particular Conditions Part A – Contract Data;
- e) the Particular Conditions Part B – Special Provisions;





- f) the Authority Undertaking issued as Payment Support;
- g) the General Conditions of Contract;
- h) the Bill of Quantities – Schedule B to Bid;
- i) the Schedule of Adjustment Data – Schedule A to Bid;
- j) the completed Schedules to Bid forming part of the Contract;
- k) the Specifications Part A – Specific Provisions;
- l) the Specifications Part B – Technical Provisions;
- m) the Drawings;
- n) the IV / Consortium Agreement or Undertaking, where applicable;
- o) ~~the Authority Undertaking~~ R1;
- p) the Environmental Management Plan, where expressly incorporated; and
- q) any other document expressly stated in the Contract Agreement or Letter of Acceptance to form part of the Contract.

Addenda and Corrigenda shall be deemed incorporated at the appropriate place in the document they amend. The Instructions to Bidders, Bidding Data, Evaluation Criteria, qualification methodology and Employer evaluation calculations do not form part of the Contract unless expressly incorporated. If the Authority Undertaking conflicts with the Particular Conditions concerning liability, timing, valuation or calculation, the Particular Conditions shall prevail.

1.6 CONTRACT AGREEMENT

In the first line of the first paragraph, the text “35 days” is replaced with “14 days”.

In the last line of the first paragraph, the text “shall be borne by the Employer” is substituted by “shall be borne by the Contractor”.

1.7 ASSIGNMENT

The following is added at the end of this Sub-Clause:

The Contractor shall not assign, charge, pledge, securitize or otherwise transfer any right to Deferred Payment Principal, Financing Charges or the Deferred Payment Account. Contractor Financing creates no direct right, security interest or recourse against the Employer for a lender or financier, and no Direct Agreement is required.

2.4 EMPLOYER’S FINANCIAL ARRANGEMENTS

The following is added at the end of this Sub-Clause:

The Employer’s financial arrangements shall address Current Payment Amounts and obligations under Sub-Clause 14.18. Evidence under this Sub-Clause does not alter Sub-Clause 14.18. Payment Support is limited to the instrument stated in the Contract Data.

2.7 PAYMENT SUPPORT

The following new Sub-Clause 2.7 is added after Sub-Clause 2.6:

The Employer shall issue the Authority Undertaking identified in the Contract Data. It is a continuing contractual undertaking, may not be unilaterally withdrawn while a covered obligation remains outstanding, and survives completion, final certification, expiry and termination to the extent Deferred Payment Principal or Financing Charges survive. It is





3.1 THE ENGINEER

In sub-paragraph (a) the text “as defined in the Pakistan Engineering Council Act, 1975 (Act No. V of 1976)” are added after the words “professional engineer”.

3.2 ENGINEER'S DUTIES AND AUTHORITY

The Engineer shall obtain the consent in writing of the Employer before acting under the following Sub-Clauses of these Conditions:

- (a) Consenting to the subcontracting of any part of the Works under Sub-Clause 5.1 (Subcontractors);
- (b) Any action under Sub-Clauses 8.9 [Employer's Suspension] and 8.12 [Prolonged Suspension];
- (c) Issuance of “Taking Over Certificate” under Sub-Clause 10.1 [Taking Over the Works and Sections];
- (d) Issuing the “Performance Certificate” under Sub-Clause 11.9 [Performance Certificate];
- (e) Sub-Clause 13.1 [Right to Vary]: instructing a Variation, except;
 - (i) in an emergency situation as determined by the Engineer, or
 - (ii) if such a Variation would increase the Accepted Contract Amount by less than the percentage specified in the Contract Data.
- (f) Sub-Clause 13.3 [Variation Procedure]: approving a proposal for Variation submitted by the Contractor in accordance with Sub-Clause 13.3.2 [Variation by Request for Proposal] or 13.2 [Value Engineering];

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~~(g) Certifying release of second half of the Retention Money under Sub-Clause 14.9 [Release of Retention Money];~~

- (h) Issuing Final Payment Certificate under Sub-Clause 14.13 [Issue of FPC].

Notwithstanding the obligation, as set out above, to obtain approval, if, in the opinion of the Engineer, an emergency occurs affecting the safety of life or of the Works or of adjoining property, he may, without relieving the Contractor of any of his duties and responsibility under the Contract, instruct the Contractor to execute all such work or to do all such things as may, in the opinion of the Engineer, be necessary to abate or reduce the risk. The Contractor shall forthwith comply, despite the absence of approval of the Employer, with any such instruction of the Engineer. The Engineer shall determine an addition to the Contract Price, in respect of such instruction, in accordance with Clause 13 and shall notify the Contractor accordingly, with a copy to the Employer.

Following is added after the words “the Employer's consent is required” in 4th paragraph:
“Stating that the Employer's consent has been obtained for that specified authority”

4.1 CONTRACTOR'S GENERAL OBLIGATIONS

The following paragraphs are added at the end of this Sub-Clause:





- i. submission of the Performance Security, in the form and issued by an entity in accordance with Sub-Clause 4.2.1 [Contractor's Obligations];
- ii. signing of the Contract Agreement between the Parties in accordance with Sub-Clause 1.6 [Contract Agreement];
- iii. the Advance Payment Guarantee for the Total Amount of the Advance Payment, in the form and issued by an entity in accordance with Sub-Clause 14.2.1 [Advance Payment Guarantee];
- iv. submission of initial programme under Sub-Clause 8.3 [Programme];

The word "and" at the end of the sub-paragraph (a) is deleted.

The character "." at the end of sub-paragraph (b) is deleted and replaced with the character ","

Following sub-paragraphs (c) & (d) are added after sub-paragraph (b):

- (c) A further sum equal to five percent (05%) of the Accepted Contract Amount shall be paid to the Contractor upon the Engineer certifying that mobilization is complete in the following respects and the Contractor is ready to commence the Works:
 - i. Approval of initial programme under Sub-Clause 8.3 [Programme];
 - ii. Provision of machinery and equipment at the Site, as instructed by the Engineer.
 - iii. Submission of a statement indicating status / plan / commitment for mobilization / hiring / purchase of remaining machinery.
 - iv. Completion of facilities to be provided to the Engineer or the Engineer's Representative as per Contract Document.
 - v. Submission of all guarantees as required by the Contract.
 - vi. Establishment of Employer's, Engineer's and Contractor's site office.
 - vii. Deployment of Contractor's technical as well as managerial staff as per requirement of site.
 - viii. Proper taking over of the site.
 - ix. Installation of project boards at all ends.
 - x. Completion of safety arrangements for the traffic and public in general.
 - xi. The Advance Payment shall not be subject to retention; and
- (d) the Engineer has received a copy of the Contractor's application for the second tranche of advance payment under Sub-Clause 14.2.1 [Advance Payment Guarantee].

14.6 ISSUE OF IPC

14.6.1 The IPC

In the first line of the 1st paragraph the words "28 days" are substituted by "10 days"

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14.7 PAYMENT

The words "or through crossed cheque in favour of the Contractor or JV partners. The Payment to JV partners shall be made at the request of the Joint Ventures in the ratio of their shares specified by them" are added at the end of the Sub-Clause.





Certified Payment Amount, shall be dealt with separately under applicable Law against a valid tax invoice and shall not form Deferred Payment Principal or attract Financing Charge.

14.8 DELAYED PAYMENT

The text of this Sub-Clause is deleted and replaced with the following:

Contractual deferment under Sub-Clause 14.18 is not delayed payment. If a Current Payment Amount or scheduled Deferred Payment Principal is not paid when contractually due, Financing Charge at Y shall accrue on the overdue monetary principal from its due date until payment. A due but unpaid Financing Charge shall not be capitalized or itself attract Financing Charge. The Contractor's remedies remain subject to Clauses 16, 20 and 21.

14.9 RELEASE OF RETENTION MONEY

This sub clause is deleted in its entirety.

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The following text is added at the end of this sub-clause

Retention Money shall continue to be deducted and released under this Sub-Clause and reflected in the amount certified under Sub-Clause 14.6 before the Certified Payment Amount is allocated under Sub-Clause 14.18. When due for release, Retention Money shall be paid as a Current Payment and shall not be deferred again.

The following new Sub-Clauses 14.16, 14.17 & 14.18 are added after Sub-Clause 14.15:

14.16 SECURED ADVANCE ON MATERIALS

- (a) The Contractor shall be entitled to receive from the Employer, Secured Advance against an indemnity bond acceptable to the Employer of such sum as the Engineer may consider proper in respect of non-perishable materials brought at the Site but not yet incorporated in the Permanent Works provided that:
 - (i) The materials are in accordance with the Specifications for the Permanent Works;
 - (ii) Such materials have been delivered to the Site and are properly stored and protected against loss or damage or deterioration to the satisfaction of the Engineer but at the risk and cost of the Contractor;
 - (iii) The Contractor's records of the supplies, orders, receipts and use of materials are kept in a proper format and such records shall be available for inspection by the Engineer;
 - (iv) The Contractor shall submit with his monthly statement the estimated value of the materials on Site together with such documents as may be required by the Engineer for the purpose of valuation of materials and providing evidence of ownership and payment therefore;
 - (v) Ownership of such materials shall be deemed to vest in the Employer and these materials shall not be removed from the Site or otherwise disposed of without written permission of the Employer; and

The sum payable for such materials on Site shall not exceed 75 % of the (i) landed cost of imported materials, or (ii) ex-factory / ex-warehouse price of locally manufactured





BILL OF QUANTITIES (BOQ)

PREAMBLE

1. The Bill of Quantities shall be read in conjunction with the Conditions of Contract, Specifications and Drawings.
2. The quantities given in BOQ are estimated and provisional and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work executed and measured by the contractor and verified by the Engineer and valued at the rates entered in the BOQ and price finalized in the Contract, where applicable, and otherwise at such rates and prices as the Engineer may fix as per Contract.
3. The rates and prices entered in the Bill of Quantities shall, except insofar as it is otherwise provided under the Contract include all the cost of Contractor's plant, labor, supervision, material, execution, insurance, profit, taxes and duties, together with all general risk, liabilities and obligations set out or implied in the contract. Furthermore, all duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, as on the month during which the last date of submission of bids falls, shall be included in the rates & prices and the total Bid price submitted by the Bidder.

4. The Bidder shall quote an individual Bid Percentage for each BOQ item, being either a percentage Above (+) the respective Base BOQ Rate, a percentage Below (-) the respective Base BOQ Rate, or At Par (0.00%). The Bid Percentage shall be entered against each applicable BOQ item in the Price Schedule/BOQ. The Bidder may quote different percentages for different BOQ items.

The Bidder's quoted percentage shall be applied to the corresponding Base BOQ Rate of each item to determine the Bidder's Rate for that item, as follows:

$$\text{Bidder's Rate} = \text{Base BOQ Rate} \times (1 + \text{Bid Percentage} / 100)$$

Accordingly, a positive percentage shall result in a rate above the Base BOQ Rate, a negative percentage shall result in a rate below the Base BOQ Rate, and a percentage of 0.00% shall result in the Bidder's Rate being equal to the Base BOQ Rate.

The amount for each BOQ item shall be calculated by multiplying the applicable quantity by the Bidder's Rate. The Total Bid Price shall be the aggregate of the amounts of all BOQ items.

5. The whole cost of complying with the Contract shall be deemed to be covered by the applicable Bidder's Rates derived through application of the quoted and accepted Bid Percentage to the respective Base BOQ Rates and Prices, together with any other amounts expressly payable under the Contract.

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6. The Bidder shall be responsible for checking the Base BOQ Rates, quantities, units and calculations before submission of the Bid. Any discrepancy between the Bid Percentage stated in figures and words, or any arithmetical discrepancy arising from the application of the quoted Bid Percentage to the Base BOQ Rate or from the calculation of the item amount, shall be dealt with in accordance with the arithmetic correction and bid evaluation provisions of the Bidding Documents.
7. The Bidder shall not alter, withdraw or substitute any quoted item-wise Bid Percentage after submission of the Bid, except as expressly permitted under the Bidding Documents. The item-wise Bid Percentages accepted by the Employer shall form the basis for determination of the applicable Contract Rates for measurement and valuation of the Works, except where the Contract expressly provides otherwise.
8. Where the Contract provides for a new rate, substituted rate, variation, or any other rate to be determined separately, such rate shall be determined in accordance with the relevant provisions of the Contract and shall not automatically be subject to the item-wise Bid Percentage unless expressly provided otherwise in the Contract.
9. The total Bid Price, inclusive of applicable Punjab Sales Tax (PST), shall not exceed the Technically Sanctioned Cost by more than 4.5%. Any Bid exceeding this limit may not be accepted by the Employer/Authority, in accordance with the *Punjab Delegation of Financial Powers Rules, 2016*, as amended from time to time.
10. In accordance with *PEC SBD, ITB/IB 30.1 (Abnormally Low Bids)*, any Bid Price more than 25% below the applicable benchmark shall be liable to rejection. The Employer shall deal with abnormally low Bids in accordance with the said provision and the Bidding Documents.

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RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

MAIN SUMMARY

Sr. No	Description of Item	Amount (Rs.)
1	UPPER PROMENADE WORKS COST	
2	LOWER PROMENADE WORKS COST	
3	BRIDGES STRUCTURES	
4	TOTAL CONSTRUCTION COST (X)	
5	Add PST of Construction Cost	
6	FINAL QUOTED BID PRICE (4+5)	
7	Provisional Sum for Price Adjustment	852,750,300
8	Specified Premium to be Quoted by the Bidder in % (Y)	
9	Provisional Sum for Variations	1,827,322,071

Note:

1) The total Bid Price, inclusive of applicable Punjab Sales Tax (PST), shall not exceed the Technically Sanctioned Cost by more than 4.5%. Any Bid exceeding this limit may not be accepted by the Employer/Authority, in accordance with the *Punjab Delegation of Financial Powers Rules, 2016, as amended from time to time*.

2) In accordance with *PEC SBD, ITB/IB 30.1 (Abnormally Low Bids)*, any Bid Price more than 25% below the applicable benchmark shall be liable to rejection. The Employer shall deal with abnormally low Bids in accordance with the said provision and the Bidding Documents.



UPPER PROMENADE



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including interchange at
Lahore Eastern Bypass (RD 29+500 to RD 47+500)

SUB SUMMARY

Sr. No.	Item Description	Amount (Rs.)
	UPPER PROMENADE	
1	Earthwork and Allied Activities	
2	Sub-base & Base Course	
3	Surface Courses & Pavement	
4	Ancillary Works	
5	Lining works	
6	Railing works	
7	Electrical Solar Lights	
8	Drainage Works	
9	Cross Culverts for Existing Nalas	
	LOWER PROMENADE	
10	Stone Apron	
11	Soft scaping and hard scaping at lower Promenade	
12	Railing	
13	Walkways	
14	Cycle Track	
15	Bolard and Decorative lights	
	FLY OVERS	
16	Main Bridges	
17	Ramps of Flyover	



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including interchange at
Lahore Eastern Bypass (RD 29+500 to RD 47+500)

SUB SUMMARY

Sr. No.	Item Description	Amount (Rs.)
	SLIPS AT LSM	
18	Elevated slips (4Nos)	
	WIDENINGS OF LSM BRIDGE	
19	Widening of Bridges	
	TOTAL CONSTRUCTION COST	



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.6 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Ref. 2nd No.	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
Bill No. 1		Earthwork and Allied Activities						
1	3/54	Compaction of Natural ground						
		i) 90% to 100% maximum modified AASHTO dry density.	1000 Sft	5,778.00	3,479.60			
2	3/1	Earthwork excavation undressed lead upto a single throw of Kassl, phacrah or shovel:-						
		b) In ordinary soil.	1000 Cft	540.00	7,308.60			
3	3/5, 3/17	Earthwork in ordinary soil for embankments (A-2-4) Material with all lead and Lift, including ploughing, mixing and compaction by Mechanical Means at optimum moisture content and dressing to designed section, complete in all respects:						
		i) 95% to 100% maximum modified AASHTO dry density	1000Cft	24,352.02	18,942.90			
		ii) With 90% Compaction of AASHTO dry density.	1000Cft	10,436.58	18,538.35			
4	3/5, 3/17	Earthwork in ordinary soil for embankments From Borrow (A-4) Material with all lead and Lift, including ploughing, mixing and compaction by Mechanical Means at optimum moisture content and dressing to designed section, complete in all respects:						
		With 95% to 100% Compaction of AASHTO dry density.	1000Cft	16,989.59	22,976.43			
		With 90% Compaction of AASHTO dry density.	1000 Cft	7,281.25	22,571.88			
5	3/32	Turfing slopes of banks or lawns with grass sods including ploughing, laying, setting and watering (Turf got from within a distance of 5 miles (8 Km.) and maintenance for 15 days).	100 Sft	21,393.30	2,706.90			
TOTAL BILL No. 1								



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Ref. 2nd 2026	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
Bill No. 2		Sub-base & Base Course						
1	18/3 1/1	Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel and aggregate.						
		ii) Crushed stone aggregate.	100Cr	9,999.00	27,825.45			
2	18/4, 1/1	Providing and laying WBM of crushed stone aggregate of approved quality and grade, and supply and spreading of stone screening, including placing, mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density, including carriage of all materials to site of work except gravel and aggregate.	100Crft	14,256.00	35,436.62			
TOTAL BILL No. 2								



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Ref. 2nd 2026	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
Bill No.3		Surface Courses & Pavement						
1	18/6	Providing and laying bituminous priming coat, using 10 lbs. kerosene oil and 10 lbs. binder per 100 Sft. or 0.5 Kg kerosene and 0.5 Kg binder per square metre.	100 Sft	1,425,600.00	2,568.50			
2	18/10 (iii), 1/1	(Asphaltic Base Course) Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density. iii) 4% Bitumen	Cft	712,800.00	1,029.04			
3	18/7	Providing and laying bituminous tack coat, using 10 lbs. of bitumen per 100 Sft (0.49 Kg of bitumen per sq.m.)	100 Sft	2,851,200.00	856.40			
2	18/10 (iv), 1/1	(Asphaltic Wearing Course) Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density. iv) 4.5% Bitumen	Cft	237,600.00	1,003.99			
TOTAL BILL No. 3								



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 6.6 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Ref. 2nd 2025	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
Bill No. 4 Ancillary Works								
1	10/42	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion & grouting with sand in joints & finishing to require slope. complete in all respect (50% Grey / 50% Coloured)						
		a) 50-mm thick	Sft	99,000.00	187.80			
2	13/36	Painting Traffic Lane Marking of specified width (1.5mm thick), with Thermoplastic (TP) Paint including Glass Beads, complete in all respect, as approved and directed by Engineer incharge. ii) (6" wide)	Rft	167,976.00	57.00			
3	13/36'2	Painting Arrows & Zebra crossings (1.5mm thick), with the Thermoplastic (TP) Paint including Glass Beads, complete in all respect.	Sft	8,398.80	114.00			
4	18/28	Providing & fixing Cat Eyes of size 4" x 4" x 3/4" duly casted with specified material having plastic strip containing mini retro-reflective glass beads of color white/ red/ yellow having specified reflections, quality & shape & the cost of self built in 12mm dia x 120mm long steel zinc plated nail, fixing to road with epoxy/ hammering with separate nail complete. a) Acrylic material (2) Uni-Directional (ii) 43 Glass beads a side	Nos	15,840.00	514.60			
5	18/29	Providing & fixing Road Studs of aluminium alloy (raised profile) of specified size with Diamond grade reflectors on both sides etc complete. b) Dual- Directional (ii) 6" x 4" x 1.75"	Nos	792.00	1,021.00			
6	6/53 -b-ii	Providing and fixing precast Edge Kerb Stone (100mm to 150mm thick), of 3500 PSI Compressive Strength, embedded in PCC 1:2:4 over lean concrete 1:4:8 etc. Complete in all respect. b) With Painting (iii) (300x150x450mm high)	Rft	113,400.00	708.30			
7	18/25	Providing, fabrication and fixing pole mounted Direction Board / road delineator of any shape and size, with specified Sheet and thickness, supported with G.I Channel, (excluding the cost of vertical post and painting) etc complete in all respect. (A) G.I Sheet 14 SWG i) CIRCULAR/TRIANGULAR						
		a) 3-4 ft size	Sft	744.00	996.40			
8	18/25	Providing, fabrication and fixing pole mounted Direction Board / road delineator of any shape and size, with specified Sheet and thickness, supported with G.I Channel, (excluding the cost of vertical post and painting) etc complete in all respect. ii) RECTANGULAR SHAPE						
		(a) 12 -48 sft	Sft	84.00	911.90			
		(b) 54 -120 sft	Sft	251.00	812.75			
9	Remarks 18/25	If 3mm thick Aluminium sheet is used instead of G.I Sheet, following composite rates shall be added.						
		a) 3-4 ft size	Sft	744.00	425.65			
		(a) 12 -48 sft	Sft	84.00	380.00			
		(b) 54 -120 sft	Sft	251.00	360.80			
10	18/27	Providing, fabrication and fixing Vertical Post comprising of medium quality G.I Pipe of specified diameter, including the cost of clamping arrangements, top cover, hold fasts, PCC 1:2:4 footing of specified depth and excavation etc complete in all respect, as approved and directed by the engineer incharge						
		(b) 3 inch diameter (footing 1.5'x1.5'x5')	Rft	369.11	1,726.45			
		(c) 4 inch diameter (footing 1.5'x1.5'x6')	Rft	369.11	2,241.95			
		(d) 5 inch diameter (footing 1.5'x1.5'x8')	Rft	590.58	3,035.45			
		(e) 6 inch diameter (footing 2.0'x2.0'x9')	Rft	590.58	3,694.75			
11	13/42	Lettering and printing of signage/ direction boards/ road delineators of any colour by machine & cost of Digital Lettering, Lamination & pasting etc. Complete in all respect. b) Diamond Grade Tape	Sft	1,079.00	1,631.85			
TOTAL BILL No. 4								
Bill No. 5 Lining Works								
1	14/5b	Cement plaster 1 1/2" (40 mm) thick ratio 1:6, b) on slope (Ch-14, item 5b)	100 Sft	484,665.00	7,775.45			
2	06/09C	(c) Substructure (Foundations, Pile Cap, Raft, Strip and Footing Beams) (iv) 4000 PSI	Cft	323,332.00	817.40			
3	06/12bii	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):	100 Kg	9,155.66	30,780.85			
TOTAL BILL No. 5								



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No	MRS 2nd 2026	Description of Item	Unit	Qty	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
Bill No. 6		Guard Railing Works						
	18/35	Providing & Fixing W-Beam Guard Rail made of 1/8" thick galvanized sheet, fixed on vertical posts of galvanized channel of (13.40 Kg P.Meter) @ 6.25 ft c/c duly embedded in P.C.C (1:2:4) of specified depth i/c the cost of hardware, Reflectors, boxing glove end, fish tail end and double face reflectors etc complete in all respect. 1) Single Face	RFt	36,000.00	5,186.46			
TOTAL COST OF 1 SIDE								



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Ref. 2nd 2026	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
Bill No. 7		Electrical Solar Lights						
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m)						
		2) a) By Excavator ii) in ordinary soil.	1000 Cft	61.04	11,147.40			
2	6/5 1/1	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate); (i) Ratio 1: 4: 8	100Cft	21.92	51,981.46			
3	6/9 1/1	Placing, compacting, finishing and curing of concrete using Ordinary Portland Cement/ Sulphate resisting cement/ Slag cement as maybe required; including screening, washing of aggregates and mixing of constituents using batching plant, Transportation by transitmixer, pouring with pump in the required proportions to achieve a nominal cylindrical strength in the field as per ACI214, with the specified consistency. i/c the cost of shuttering, compaction with Vibrator, excluding the cost of Admixture, as approved and directed by the Engineer Incharge						
		(c) Substructure (Foundations, Raft, Strip and Footing Beams)						
		(vi) 3000 PSI	Cft	29,285.00	713.52			
4	6/12	Fabrication of mild steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100kg	829.25	30,780.85			
5	13/9	Bitumen coating to plastered or cement concrete surface:- i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	489.09	2,797.10			
6	25/9,11	Small Iron work, such as gusset plates, knees, bends, stirrups, straps, rings, etc. including cutting, drilling, riveting, handling, assembling and fixing, including erection in position.	100 Kg	104.86	41,444.45			
7	24/69	STREET LIGHTING POLES DOUBLE ARM 12-Meter-High Octagonal Pole Hot Dip Galvanized Specification: Base Dia :300mm, Top Dia : 126mm Thickness :5mm, Shaft "L" : 11,500mm Pole "H" : 12,000mm, Arm Dia :60mm x4.0mm Thk Arm Length : 1000mm., Base Plate = 550 x 550 x 25mm Thk Stiffener = 100 x 350 x 20mm Thk	Each	366.00	337,500.00			
8	N.S	Solar LED Light & Drive WATTAGE: 120W SOLAR LED STREET LIGHT MINIMUM 10KV SURGE PROTECTION RATING MINIMUM IP66 RATED LED TYPE: SMD 3030-2D OR BETTER WITH LUMINOUS EFFICACY > 190 LM/W FRONT COVER: TEMPERED GLASS TESTED & CERTIFIED: IEC 60598, IEC 62471, IEC 61347, CE-EMC, CE-LVD, IK-09, LM-79, LM-82, SALT SPRAY, SAND & DUST, VIBRATION, UL-1598, RoHS	Each	732.00	360,624.00			
Total Cost								



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Ref. 2nd 2026	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
Bill No. 8 Drainage chutes Works								
1	3/43	Earth work excavation in open cutting for water supply lines, sewers and manholes including backfilling, shuttering of wooden vertical planks, struts and beams, dressing to correct section and dimension according to templates and levels and removing surface water i/c back filling in all types of soil except shingle, gravel and rock, complete in all respect.						
		2) By Mechanical Means a) 0 ft. to 7.0 ft. (0 to 2.10 m) depth ii) Ordinary soil.	1000 Cft	38,387.00	10,163.40			
2	6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft	3,214.00	61,981.46			
3	6/9 1/1	Placing, compacting, finishing and curing of concrete using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; including screening, washing of aggregates and mixing of constituents using batching plant, Transportation by transit mixer, pouring with pump in the required proportions to achieve a nominal cylindrical strength in the field as per ACI214, with the specified consistency, i/c the cost of shuttering, compaction with Vibrator, excluding the cost of Admixture, as approved and directed by the Engineer Incharge.						
		(c) Substructure (Foundations, Raft, Strip and Footing Beams) (iv) 4000 PSI	Cft	6,533.00	817.40			
4		(b) Retaining / Shear walls laid in situ or precast laid in position, or prestressed members cast (Formwork on both sides) (iv) 4000 PSI (i) Upto 9' thick	Cft	27,722.00	878.35			
5		(a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (iv) 4000 PSI	Cft	6,533.00	981.20			
6		Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working pressure pipe conforming to standard ISO 4427, DIN 8074 / 8075, PS 3580, Beta/ Dadox / Popular/ ILL or approved equivalent manufacturer, including the cost of specials, intrenches, as approved & directed by the Engineer incharge, complete in all respects. b) PN-8 (SDR-21) (225 mm)	Rft	51,298.00	1,838.65			
7		Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (c) Ratio 1: 1½: 3	100 Cft	279,871.00	71,238.24			
TOTAL BILL No. 8								



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Ref. 2nd 2026	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
Bill No. 9		Cross Culvert						
1	3/21	Excavation in foundation of building, bridges and other structures including degbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m). Depth upto 5ft (1.5m) b) By Excavator ii) Ordinary soil	1000 Cft.	221.57	11,147.40			
		2) a) Depth from 5.1 ft (1.5m) to 15 ft (4.5 m):						
		ii) Ordinary soil	1000 Cft.	204.40	13,528.00			
		b) Depth above 15.1 ft (4.5 m):						
		ii) Ordinary soil	1000 Cft.	1,160.03	15,827.80			
2	3/25	Compaction of earthwork with power road roller, including ploughing, mixing, moistening earth to optimum moisture content in layers, etc. complete: ii) 95% maximum modified AASHTO dry density.	1000 Cft	21.81	2,011.25			
3	10/3	Supplying and filling sand under floor; or plugging in wells.	100 Cft.	1,652.04	3,556.70			
5	6/5 1/1	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft.	110.54	51,981.46			
6	6/9 1/1	Placing, compacting, finishing and curing of concrete using Ordinary Portland Cement/ Sulphate resisting cement/ Slag cement as maybe required; including screening, washing of aggregates and mixing of constituents using batching plant, Transportation by transit mixer, pouring with pump in the required proportions to achieve a nominal cylindrical strength in the field as per ACI214, with the specified consistency, i/c the cost of shuttering, compaction with Vibrator, excluding the cost of Admixture, as approved and directed by the Engineer Incharge (a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (iv) 4000 PSI (b) Retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast (Formwork on both sides) (iv) 4000 PSI (i) More than 9" thick (c) Substructure (Foundations, Raft, Strip and Footing Beams) (iv) 4000 PSI	Cft	64,167.36	961.20			
			Cft	83,696.55	847.50			
			Cft	48,134.35	817.40			
7	6/12	Fabrication of mild steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- Deformed bars (Grade-60)	100 Kg	7,780.00	30,780.85			
8	6/32	Providing and embedding 10" (250mm) wide PVC water stopper in expansion joints of RCC structures (Retaining walls, water tanks, Slabs) complete in all respect. ii) 10" wide 10 mm thick	Rft	4,252.18	814.35			
9	13/9	Bitumen coating to plastered or cement concrete surface: i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	976.04	2,797.10			
10	13/45	Preparing surface and painting with Matt/Glossy high chemical resistant/hard wearing Polyurethane paint (Epoxy Paint) by sprayer/Brush i/c the cost of Primer coat , all material and labour complete in all respects as approved and directed by the Engineer Incharge. (i) Priming Coat (ii) Each and subsequent Coat	sft	83,659.00	36.85			
				83,659.00	26.55			
TOTAL COST								



LOWER PROMENADE



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Ref. 2nd 2026	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
BIII No. 10 Stone Apron on Lower Promenade								
1	16/15a	Supply and dumping at site, without boat, including handling of materials within three chains (90 m)	100 Cft	4,500.00	6,456.80			
2	,01/01	Carraige,loading and Unloading of all stone at site complete in all respect	100Cft	4,500.00	14,236.00			
TOTAL BILL No. 10								



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Ref. 2nd 2026	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
Bill No. 11		Soft scaping and hard scaping at lower Promenade						
1		Providing Soft & Hard Scaping at Lower Promenade	PS	1.00	308,000,000.00			
TOTAL BILL No. 11								



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Ref. 2nd 2026	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
Bill No. 12		Railing Works						
1	25/10,11	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, re-vitting, handling, assembling and fixing, including erection in position.	100 Kg	4,536.00	37,851.85			
2	13/5 (d)	Painting new surface:- Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work:-						
		i) priming coat.	100	756.00	1,263.90			
		ii) each subsequent coat of paint (Two coats)	100	756.00	856.00			
TOTAL BILL No. 12								



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Ref. 2nd 2026	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
BILL No. 13 Walk ways on Lower Promenade								
1	18/3 1/1	Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site.						
		ii) Crushed stone aggregate.	100 Cft	750.00	27,825.45			
2	10/42	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion 1/2" grouting with sand in joints 1/2" finishing to require slope . complete in all respect (50% Grey / 50% Coloured)	Sft	180,000.00	187.80			
		a) 50-mm thick						
3	06/53	Providing and fixing precast Edge Kerb Stone (100mm to 150mm thick) of 3500 PSI Compressive Strength, embedded in PCC 1:2:4 over lean concrete 1:4:8 et c. Complete in all respect . b) With Painting d) (300x150x300mm high)	Rft	36,000.00	685.45			
TOTAL BILL No. 13								



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Ref. 2nd 2026	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
Bill No. 14 Cycle Track on Lower Promenade								
1	18/3 1/1	Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site.						
		ii) Crushed stone aggregate.	100CR	1,080.00	27,825.45			
2	18/4, 1/1	Providing and laying WBM of crushed stone aggregate of approved quality and grade, and supply and spreading of stone screening, including placing, mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density, including carriage of all materials to site of work	100 CR	720.00	35,436.62			
3	18/6	Providing and laying bituminous priming coat, using 10 lbs. kerosene oil and 10 lbs. binder per 100 Sft. or 0.5 Kg kerosene and 0.5 Kg binder per square metre.	100 Sft	2,160.00	2,568.50			
4	18/10 (iv), 1/1	(Asphaltic Wearing Course) Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density. iv) 4.5% Bitumen	Cft	36,000.00	1,093.99			
5	06/53	Providing and fixing precast Edge Kerb Stone (100mm to 150mm thick) of 3500 PSI Compressive Strength, embedded in PCC 1:2:4 over lean concrete 1:4:8 at c. Complete in all respect. b) With Painting i) (300x150x300mm high)	Rft	36,000.00	685.45			
6	13/36	Painting Traffic Lane Marking of specified width (1.5mm thick), with Thermoplastic (TP) Paint including Glass Beads, complete in all respect, as approved and directed by Engineer incharge. ii) 6" wide	Rft	36,000.00	57.00			
TOTAL BILL No. 14								
Bill No. 15 Bolard and Decorative lights								
1		Providing and Installation of Bolard and Decorative lights complete in all respect at lower promenade	PS	1.00	44,000,000.00			
TOTAL BILL No. 11								



FLYOVER AND SLIPS



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Rate Ref	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
Bill No 16		Main Bridges						
1	6/8 1/1	Providing and casting in situ bored premixed reinforced concrete piles with specified type of premixed concrete using coarse sand, including all labour and materials, boring, rig machine, crane, excavator, welding plant, batching plant, transit mixer, t-Land etc (except the cost of steel reinforcement, its labor for bending and laying in position and boat platform etc) which will be paid separately, including screening & washing of shingle and curing as approved by Engineer Incharge:- In Ordinary Soil. (b) (4000 Psi Cylindrical Strength)						
		(vi) 1.22 m / 48 inch	Rft	5,519.00	12,067.23			
2	6/12	Fabrication of mild steel reinforcement deformed bar cage of specified yield strength for R.C.C bored piles including cutting bending, lowering of cage with crane in position, welding and fastening, including the cost of binding wire, Crane machine (also includes removal of rust from the bars) as approved and directed by the Engineer Incharge ii) Deformed Bars Grade-60	100kg	2,377.87	28,980.90			
3	6/51	Extra for kentledge and loading arrangements for test pile to ensure structural and GeoTechnical soundness of pile upto a maximum test load applying in stages i/c the hiring of machinery required for complete job and furnishing a report in this regard by a qualified / authorized GeoTechnical Engineering by studying the data of at least seven days as approved and directed by the Engineer Incharge. Pile Load Test (upto 2.5 Times the design load)	Per M. Ton	1,000.00	570.35			
4	3/21	Excavation in foundation of building, bridges and other structures, including daggelling, dressing in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) depth upto 5 ft (1.5m). 2) a) By Excavator ii) Ordinary soil	1000 Cft	188.97	11,147.40			
5	6/6 1/1	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft	91.11	51,981.46			
	6/9	Placing, compacting, finishing and curing of concrete using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; including screening, washing of aggregates and mixing of constituents using batching plant, Transportation by transit mixer, pouring with pump in the required proportions to achieve a nominal cylindrical strength in the field as per ACI214, with the specified consistency, i/c the cost of shuttering, compaction with Vibrator, excluding the cost of Admixture, as approved and directed by the Engineer Incharge.						
6		(c) Substructure (Foundations, Raft, Strip and Footing Beams) (iv) 4000 Psi	Cft	4,442.00	817.40			
7		(b) Retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast (Formwork on both sides) (iv) 4000 Psi (ii) More Than 9" Thick	Cft	22,213.14	847.50			
8		(a) Superstructure (Slabs, Beams, Columns and others requiring formwork) (iv) 4000 Psi	Cft	37,080.75	961.20			
9		5000 Psi (Slab Cast in situ) for Girders	Cft	58,411.00	987.15			
10	6/13	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):-						
		(c) Deformed bars (Grade-60)	100 Kg	8,075.56	30,780.85			



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Rate Ref	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
11	6/23	Fabrication of high tensile steel prestressing cables for prestressed (post tensioned) concrete, including assembling by drawing the H.T. wire through metal spacer plate, inserting in helix to core and taping or tying, sheathing in longitudinally welded metal corrugated sheath, positioning, anchorage with male and female set of anchorage cone, forming ducts for transverse cable, stressing cables with jack at both ends as per stressing schedule, maintaining stressing record and supply the same in the approved proforma to the Engineer-in-charge, making loop at blind end, including all materials required for it, grouting the cable ducts with cement, cutting projected ends and making good recesses, etc., complete in all respects.	Per Ton	115.78	724,253.50			
12	18/24	Providing and laying good quality / local sand cushion from approved source (compacted in layers not exceeding 6" thickness) by mechanized means including the cost of front end loader, vibratory roller and all lead and lifts, dressing, watering complete in all respect as approved and directed by the Engineer incharge	Cft	3,460.87	33.35			
13	6/25	Lifting, transporting and placing precast prestressed concrete Beam Girder and other members (excluding battens) etc., in position on the bridge to correct alignment and level, etc., complete in all respect as directed by the Engineer incharge.	Per Ton	3,969.60	1,977.20			
14	18/22	Providing and laying Elastomeric Neoprene Bearing Pads of specified grade, Specific gravity, hardness, elongation, min tensile strength of 2250 psi, and compressive strength of 2000 psi conforming to ASTM D 2240 standard test method for rubber as approved and directed by the Engineer incharge II- Grade 60 (b) Laminated (i) Without Anchorage	Cu.cm	1,559,250.00	3.95			
15	6/55 1/1	Providing and laying Kerb Block / RCC Barrier of Concrete having compressive strength of 4000 PSI of required size with Slip form Paver/ power kerber machine, batching plant, excluding the cost of additive /super plasticizer, steel reinforcement and its labour for bending and laying in position as specified etc complete in all respect. b) R.C.C Barrier (i) Single Face	Cft	36,551.03	774.30			
16	18/21	Providing and fixing metallic expansion Joints of 3/4" thick Aluminum Alloy strip of specified width duly bolted with check nuts @9" c/c with the MS lugs for specified movements as mentioned by the designer /c the cost of polystyrene joint fill but excluding the cost of Lugs complete in all respect as approved and directed by the Engineer incharge. (C) Finger /Comb Plate Type j) 25 mm to 50 mm	Rft	408.84	14,977.15			
17	18/7	Providing and laying bituminous tack coat, using 10 lbs. of bitumen per 100 Sft (0.49 Kg of bitumen per sq.m.)	Sft	35,174.44	856.40			
18	18/10 1/1	Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density. (AWC) (iv) 4.5% Bitumen	Cft	5,862.29	1,093.99			
19	13/36	Painting Traffic Lane Marking of specified width (1.5mm thick), with Thermoplastic (TP) Paint including Glass Beads, complete in all respect, as approved and directed by Engineer incharge. j) 6" wide	Rft	2,414.82	57.00			
20	18/28	Providing & fixing Cat Eyes of size 4"x4"x3/4" duly casted with specified material having plastic strip containing miniretro-reflective glass beads of color white/red/yellow having specified reflections, quality & shape /c the cost of self built in 12mm dia x120mm long steel zinc plated nail, fixing to road with epoxy/ hammering with separate nail complete. a) Acrylic material (A) Dual-Directional (i) 19x2=38 Glass beads a side	Each	260.00	514.60			



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Rate Ref	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
21	24/69	STREET LIGHTING POLES DOUBLE ARM 12-Meter-High Octagonal Pole Hot Dip Galvanized Specification: Base Dia :300mm, Top Dia :125mm, Thickness :5mm, Shaft "L" : 11,500mm Pole "H" : 12,000mm, Arm Dia :60mm x4.0mm Thk Arm Length : 1000mm, Base Plate = 550 x 550 x 25mm Thk Stiffener = 100 x 350 x 20mm Thk	Each	10.00	337,500.00			
22	N.S	Solar LED Light & Drive WATTAGE: 120W SOLAR LED STREET LIGHT MINIMUM 10KV SURGE PROTECTION RATING MINIMUM IP66 RATED LED TYPE: SMD 3030-2D OR BETTER WITH LUMINOUS EFFICACY > 190 LM/W FRONT COVER: TEMPERED GLASS TESTED & CERTIFIED: IEC 60598, IEC 62471, IEC 61347, CE-EMC, CE-LVD, IK-09, LM-79, LM-82, SALT SPRAY, SAND & DUST, VIBRATION, UL-1598, RoHS	Each	20.00	360,624.00			
		TOTAL BILL NO 16						
Bill No 17 Bridge Ramps								
1	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) depth upto 5 ft (1.5m). 2) a) By Excavator ii) Ordinary soil	1000 Cft	562.43	11,147.40			
2	3/54	Compaction of Natural ground ii) 90% to 100% maximum modified AASHTO dry density.	1000 Sft	76.46	3,479.60			
3	3/5 3/17	Earthwork in ordinary soil for embankments with Local Earth with all lead and lift, including ploughing, mixing and compaction by mechanical means at optimum moisture content and dressing to designed section, complete in all respects:-						
3a		i) With 95% to 100% Compaction of AASHTO dry density.	1000 Cft	281.00	18,942.90			
3b		ii) With 90% Compaction of AASHTO dry density.	1000 Cft	281.00	18,538.35			
4	3/5 3/17	Earthwork in ordinary soil for embankments with Borrow Earth with all lead and lift, including ploughing, mixing and compaction by mechanical means at optimum moisture content and dressing to designed section, complete in all respects:-						
		i) With 95% to 100% Compaction of AASHTO dry density.	1000 Cft	410.47	22,976.43			
		ii) With 90% Compaction of AASHTO dry density.	1000 Cft	957.71	22,571.88			
5		Providing of Reinforced material like , Soil Reinforcement Strips, C-Connections, Dowel rods, EPDM pads Sealing Foam, Geotextile, Geogrid, The Internal design of Reinforced Earth structures, Construction Drawings, Method Statement and Technical Assistance for proper execution.						
5a		Reinforcement system for wall height up to 5.00 m (0.00 m ≤ h ≤ 5.00 m); measured wall area from base up to 5.00 m	Sft	30,644.00	2,398.00			
5b		Reinforcement system for wall height above 5.00 m and up to 7.00 m; measured wall area from base up to 7.00 m	Sft	30,644.00	2,654.00			
5c		Reinforcement system for wall height above 7.00 m and up to 9.00 m; measured wall area from base up to 9.00 m	Sft	33,829.00	2,871.00			
6		Providing and Fixing of MSE wall panels/Modular Block with Designated Concrete class by the Designer including steel reinforcement & including the Cost of Form work/moulds complete in all respect at site	Sft	95,117.00	1,664.00			
7		Formation of Embankment with Specified material for Reinforced earth works completed as per particular specifications. (Minimum angle of internal friction $\phi = 36^\circ$, Non Plastic Backfill, Granular subbase using crushed stone aggregate + Sand structural backfilling from outside).	Cft	6,979,148.00	131.30			
8		Concrete (4000psi minimum compressive cylinder strength at 28 days) U-Coping & Counter slab for Reinforced Earth walls	Cft	77,001.00	817.40			



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Rate Ref	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
9		Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	2,180.40	30,780.85			
10	6/5 1/1	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft	106.65	51,981.46			
11	18/3 1/1	Providing and laying Sub-Base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site.	100Cft	1,019.90	27,825.45			
12	18/4 1/1	Providing and laying Base course of crushed stone aggregate of approved quality and grade, and supply and spreading of stone screening, including placing, mixing, spreading and compaction of base course material to required depth, camber and grade to achieve 100% maximum modified AASHO dry density, including carriage of all materials to site.	100 Cft	1,529.85	35,436.62			
13	18/6	Providing and laying bituminous priming coat, using 10 lbs. kerosene oil and 10 lbs. binder per 100 Sft. or 0.5 Kg kerosene and 0.5 Kg binder per square metre.	100 Sft	1,529.32	2,588.50			
14	18/10 1/1	Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density. (ABC) (iii) 4% Bitumen	Cft	76,492.00	1,029.04			
15	18/7	Providing and laying bituminous tack coat, using 10 lbs. of bitumen per 100 Sft (0.49 Kg of bitumen per sq.m.)	100 Sft	1,529.32	856.40			
16	18/10 1/1	Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density. (AWC) (iv) 4.5% Bitumen	Cft	12,749.00	1,093.99			
17	13/35	Painting Traffic Lane Marking of specified width (1.5mm thick), with Thermoplastic (TP) Paint including Glass Beads, complete in all respect, as approved and directed by Engineer incharge. i) 6" wide	Rft	5,250.00	57.00			
11	NS	Thermoplastic (TP) Paint including Glass Beads, complete in all respect, as approved and directed by Engineer incharge.	Sft	1,050.00	114.00			
18	18/28	Providing & fixing Cat Eyes of size 4"x4"x3/4" duly casted with specified material having plastic strip containing miniretro-reflective glass beads of color white/red/yellow having specified reflections, quality & shape Vc the cost of self built in 12mm dia x120mm long steel zinc plated nail, fixing to road with epoxy/hammering with separate nail complete. a) Acrylic material (A) Dual-Directional (i) 19x2=38 Glass beads a side	Each	570.00	514.60			
19	24/69	STREET LIGHTING POLES DOUBLE ARM 12-Meter-High Octagonal Pole Hot Dip Galvanized Specification: Base Dia :300mm, Top Dia : 125mm Thickness :5mm, Shaft "L" : 11,500mm Pole "H" : 12,000mm, Arm Dia :60mm x4.0mm Thk Arm Length : 1000mm, Base Plate = 550 x 550 x 25mm Thk Stiffener = 100 x 350 x 20mm Thk	Each	20.00	337,500.00			
20	N.S	Solar LED Light & Drive WATTAGE: 120W SOLAR LED STREET LIGHT MINIMUM 10KV SURGE PROTECTION RATING MINIMUM IP68 RATED LED TYPE: SMD 3030-2D OR BETTER WITH LUMINOUS EFFICACY > 190 LMW FRONT COVER: TEMPERED GLASS TESTED & CERTIFIED: IEC 60598, IEC 62471, IEC 61347, CE-EMC, CE-LVD, IK-09, LM-79, LM-82, SALT SPRAY, SAND & DUST, VIBRATION, UL-1598, RoHS	Each	40.00	380,624.00			
TOTAL COST BILL NO 17								



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Rate Ref	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
Bill No 18		Slips						
1	6/8 1/1	Providing and casting in situ bored premixed reinforced concrete piles with specified type of premixed concrete using coarse sand, including all labour and materials, boring, rig machine, crane, excavator, welding plant, batching plant, transit mixer, H-Land etc (except the cost of steel reinforcement, its labor for bending and laying in position and boat platform etc) which will be paid separately, including, screening & washing of shingle and curing as approved by Engineer Incharge:- In Ordinary Soil. (b) 4000 Psi Cylindrical Strength) (vi) 1.96 m / 78 Inch	Rft	9,187.00	20,389.55			
2	6/12	Fabrication of mild steel reinforcement deformed bar cage of specified yield strength for R.C.C bored piles including cutting bending, lowering of cage with crane in position, welding and fastening, including the cost of binding wire, Crane machine (also includes removal of rust from the bars) as approved and directed by the Engineer Incharge ii) Deformed Bars Grade-60	100 Kg	3,958.40	29,980.90			
3	6/51	Extra for kentledge and loading arrangements for test pile to ensure structural and GeoTechnical soundness of pile upto a maximum test load applying in stages i/c the hiring of machinery required for complete job and furnishing a report in this regard by a qualified / authorized GeoTechnical Engineering by studying the data of at least seven days as approved and directed by the Engineer Incharge. Pile Load Test (upto 2.5 Times the design load)	Per M. Ton	1,000.00	570.35			
4	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) depth upto 5 ft (1.5m). 2) a) By Excavator ii) Ordinary soil	1000 Cft	193.10	11,147.40			
5	6/5 1/1	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft	22.60	51,981.48			
	6/9	Placing, compacting, finishing and curing of concrete using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; including screening, washing of aggregates and mixing of constituents using batching plant, Transportation by transit mixer, pouring with pump in the required proportions to achieve a nominal cylindrical strength in the field as per ACI214, with the specified consistency, i/c the cost of shuttering, compaction with Vibrator, excluding the cost of Admixture, as approved and directed by the Engineer Incharge.						
6		(c) Substructure (Foundations, Raft, Strip and Footing Beams) (iv) 4000 Psi	Cft	2,809.00	817.40			
7		(b) Retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast (Formwork on both sides) (iv) 4000 Psi (ii) More Than 9" Thick	Cft	53,149.08	847.50			
8		(a) Superstructure (Slabs, Beams, Columns and others requiring formwork) (iv) 4000 Psi	Cft	98,316.95	961.20			
9		5000 Psi (Slab Cast in situ) for Girders with out special shuttering	Cft	95,351.00	806.80			
10		Providing and Erection Cost of special shuttering including its salvage value	Ton	248.16	243,306.00			
11	6/13	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):-						
		(c) Deformed bars (Grade-60)	100 Kg	12,911.03	30,780.85			



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Rate Ref	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
12	6/23	Fabrication of high tensile steel prestressing cables for prestressed (post tensioned) concrete, including assembling by drawing the H.T. wire through metal spacer plate, inserting in helix to core and taping or tying, sheathing in longitudinally welded metal corrugated sheath, positioning, anchorage with male and female set of anchorage cone, forming ducts for transverse cable, stressing cables with jack at both ends as per stressing schedule, maintaining stressing record and supply the same in the approved proforma to the Engineer-in-charge, making loop at blind end, including all materials required for it, grouting the cable ducts with cement, cutting projected ends and making good recesses, etc., complete in all respects.	Per Ton	189.00	724,253.50			
13	18/24	Providing and laying good quality / local sand cushion from approved source (compacted in layers not exceeding 6" thickness) by mechanized means including the cost of front end loader, vibratory roller and all lead and lifts, dressing, watering complete in all respect as approved and directed by the Engineer Incharge	Cft	9,711.63	33.35			
14	6/25	Lifting, transporting and placing precast prestressed concrete Beam Girder and other members (excluding battens) etc., in position on the bridge to correct alignment and level, etc., complete in all respect as directed by the Engineer Incharge.	Per Ton	6,480.03	1,977.20			
15	18/22	Providing and laying Elastomeric Neoprene Bearing Pads of specified grade, Specific gravity, hardness, elongation, min tensile strength of 2250 psi, and compressive strength of 2000 psi conforming to ASTM D 2240 standard test method for rubber as approved and directed by the Engineer Incharge (b) Laminated (i) Without Anchorage	Cu.cm	2,970,000.00	3.95			
16	6/56 1/1	Providing and laying Kerb Block / RCC Barrier of Concrete having compressive strength of 4000 PSI of required size with Slip form Paver/ power kerber machine, batching plant, excluding the cost of additive /super plasticizer, steel reinforcement and its labour for bending and laying in position as specified etc complete in all respect. b) R.C.C Barrier (i) Single Face	Cft	19,211.36	774.30			
17	18/21	Providing and fixing metallic expansion Joints of 3/4" thick Aluminium Alloy strip of specified width duly bolted with check nuts @9" c/c with the MS lugs for specified movements as mentioned by the designer /or the cost of polystyrene joint fill but excluding the cost of Lugs complete in all respect as approved and directed by the Engineer Incharge. (C) Finger /Comb Plate Type i) 25 mm to 50 mm	Rft	649.64	14,977.15			
18	18/7	Providing and laying bituminous tack coat, using 10 lbs. of bitumen per 100 Sft (0.49 Kg of bitumen per sq.m.)	100 Sft	523.58	856.40			
19	18/10 1/1	Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density. (AWC) (iv) 4.5% Bitumen	Cft	8,722.81	1,093.99			
20	13/35	Painting Traffic Lane Marking of specified width (1.5mm thick), with Thermoplastic (TP) Paint including Glass Beads, complete in all respect, as approved and directed by Engineer incharge. i) 6" wide	Rft	6,788.39	57.00			
21	18/28	Providing & fixing Cat Eyes of size 4"x4"x3/4" duly casted with specified material having plastic strip containing miniretro-reflective glass beads of color white/red/yellow having specifid reflections, quality & shape /or the cost of self built in 12mm dia x120mm long steel zinc plated nail, fixing to road with epoxy/ hammering with separate nail complete. a) Acrylic material (A) Dual-Directional (i) 19x2=38 Glass beads a side	Each	740.00	514.60			



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Rate Ref	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
22	24/89	STREET LIGHTING POLES SINGLE ARM 12-Meter-High Octagonal Pole Hot Dip Galvanized Specification: Base Dia :300mm, Top Dia : 125mm Thickness :5mm, Shaft "L" : 11,500mm Pole "H" : 12,000mm, Arm Dia :60mm x4.0mm Thk Arm Length : 1000mm, Base Plate = 550 x 550 x 25mm Thk Stiffener = 100 x 350 x 20mm Thk	Each	24.00	309,375.00			
23	N.S	Solar LED Light & Drive WATTAGE: 120W SOLAR LED STREET LIGHT MINIMUM 10KV SURGE PROTECTION RATING MINIMUM IP68 RATED LED TYPE: SMD 3030-2D OR BETTER WITH LUMINOUS EFFICACY > 190 LM/W FRONT COVER: TEMPERED GLASS TESTED & CERTIFIED: IEC 60598, IEC 62471, IEC 61347, CE-EMC, CE-LVD, IK-09, LM-79, LM-82, SALT SPRAY, SAND & DUST, VIBRATION, UL-1598, RoHS	Each	24.00	360,624.00			



WIDENING OF LSM BRIDGE



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Rate Ref	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
Bill No 19		Bridge Widening at LSM						
1	6/8 1/1	Providing and casting in situ bored premixed reinforced concrete piles with specified type of premixed concrete using coarse sand, including all labour and materials, boring, rig machine, crane, excavator, welding plant, batching plant, transit mixer, I-Land etc (except the cost of steel reinforcement, its labor for bending and laying in position and boat platform etc) which will be paid separately, including, screening & washing of shingle and curing as approved by Engineer Incharge:- In Ordinary Soil. (b) (4000 Psi Cylindrical Strength)						
		(vi) 1.96 m / 78 Inch	Rft	13,124.00	29,389.55			
2	8/12	Fabrication of mild steel reinforcement deformed bar cage of specified yield strength for R.C.C bored piles including cutting bending, lowering of cage with crane in position, welding and fastening, including the cost of binding wire, Crane machine (also includes removal of rust from the bars) as approved and directed by the Engineer Incharge ii) Deformed Bars Grade-60	100 kg	5,654.86	29,980.90			
3	6/51	Extra for Kentledge and loading arrangements for test pile to ensure structural and GeoTechnical soundness of pile upto a maximum test load applying in stages i/c the hiring of machinery required for complete job and furnishing a report in this regard by a qualified / authorized GeoTechnical Engineering by studying the data of at least seven days as approved and directed by the Engineer Incharge. Pile Load Test (upto 2.5 Times the design load)	Per M. Ton	1,000.00	670.35			
4	3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) depth upto 5 ft (1.5m). 2) a) By Excavator ii) Ordinary soil	1000 Cft	96.55	11,147.40			
5	6/5 1/1	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft	13.07	51,981.45			
	6/9	Placing, compacting, finishing and curing of concrete using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; including screening, washing of aggregates and mixing of constituents using batching plant, Transportation by transit mixer, pouring with pump in the required proportions to achieve a nominal cylindrical strength in the field as per ACI214, with the specified consistency. i/c the cost of shuttering, compaction with Vibrator, excluding the cost of Admixture, as approved and directed by the Engineer Incharge.						
6		(c) Substructure (Foundations, Raft, Strip and Footing Beams) (iv) 4000 Psi	Cft	1,404.00	817.40			
7		(b) Retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast (Formwork on both sides) (iv) 4000 Psi (ii) More Than 9" Thick	Cft	26,692.20	847.50			
8		(a) Superstructure (Slabs, Beams, Columns and others requiring formwork) (iv) 4000 Psi	Cft	209,629.84	981.20			
9		5000 Psi (Slab Cast in situ) for Girders	Cft	211,360.00	987.15			
10	8/13	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):-						
		(c) Deformed bars (Grade-60)	100 Kg	22,433.52	30,780.85			



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Rate Ref	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
11	8/23	Fabrication of high tensile steel prestressing cables for prestressed (post tensioned) concrete, including assembling by drawing the H.T. wire through metal spacer plate, inserting in helix to core and taping or tying, sheathing in longitudinally welded metal corrugated sheath, positioning, anchorage with male and female set of anchorage cone, forming ducts for transverse cable, stressing cables with jack at both ends as per stressing schedule, maintaining stressing record and supply the same in the approved proforma to the Engineer-in-charge, making loop at blind end, including all materials required for it, grouting the cable ducts with cement, cutting projected ends and making good recesses, etc., complete in all respects.	Per Ton	418.95	724,263.50			
12	18/24	Providing and laying good quality / local sand cushion from approved source (compacted in layers not exceeding 6" thickness) by mechanized means including the cost of front end loader, vibratory roller and all lead and lifts, dressing, watering complete in all respect as approved and directed by the Engineer Incharge	Cft	20,765.22	33.35			
13	6/25	Lifting, transporting and placing precast prestressed concrete Beam Girder and other members (excluding battens) etc., in position on the bridge to correct alignment and level, etc., complete in all respect as directed by the Engineer Incharge.	Per Ton	14,363.98	1,977.20			
14	18/22	Providing and laying Elastomeric Neoprene Bearing Pads of specified grade, Specific gravity, hardness, elongation, min tensile strength of 2250 psi, and compressive strength of 2000 psi conforming to ASTM D 2240 standard test method for rubber as approved and directed by the Engineer Incharge (b) Laminated (i) Without Anchorage	Sq. cm	6,643,000.00	3.95			
15	6/56 1/1	Providing and laying Kerb Block / RCC Barrier of Concrete having compressive strength of 4000 PSI of required size with Slip form Paver/ power kerber machine, batching plant, excluding the cost of additive /super plasticizer, steel reinforcement and its labour for bending and laying in position as specified etc complete in all respect. b) R.C.C Barrier (i) Single Face	Cft	41,141.98	774.30			
16	18/21	Providing and fixing metallic expansion Joints of 3/4" thick Aluminium Alloy strip of specified width duly bolted with check nuts @9" c/c with the MS lugs for specified movements as mentioned by the designer i/c the cost of polystyrene joint fill but excluding the cost of Lugs complete in all respect as approved and directed by the Engineer Incharge. (C) Finger /Comb Plate Type i) 25 mm to 50 mm	Rft	14,656.23	14,977.15			
17	18/7	Providing and laying bituminous tack coat, using 10 lbs. of bitumen per 100 Sft (0.49 Kg of bitumen per sq.m.)	Sft	112,108.44	856.40			
18	18/10 1/1	Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density. (AWC) (iv) 4.5% Bitumen	Cft	18,681.64	1,093.99			
19	13/36	Painting Traffic Lane Marking of specified width (1.5mm thick), with Thermoplastic (TP) Paint including Glass Beads, complete in all respect, as approved and directed by Engineer Incharge. i) 6" wide	Rft	14,538.11	67.00			
20	18/28	Providing & fixing Cat Eyes of size 4"x4"x3/4" duly casted with specified material having plastic strip containing miniretro-reflective glass beads of color white/red/yellow having specified reflections, quality & shape i/c the cost of self built in 12mm dia x120mm long steel zinc plated nail, fixing to road with epoxy/hammering with separate nail complete. a) Acrylic material (A) Dual-Directional (i) 10x2=38 Glass beads a side	Each	1,580.00	514.60			



RAVI URBAN DEVELOPMENT AUTHORITY

Infrastructure Development of 5.5 km Right Promenade Including Interchange at Lahore Eastern Bypass (RD 29+500 to RD 47+500)

ABSTRACT OF COST

Sr. No.	Rate Ref	Item Description	Unit	Quantity	Rate (Rs.)	Bidders % Above/Below on Rate	Calculated Bid Rate	Bid Amount
21	24/69	STREET LIGHTING POLES SINGLE ARM 12-Meter-High Octagonal Pole Hot Dip Galvanized Specification: Base Dia :300mm, Top Dia : 125mm Thickness :5mm, Shaft "L" : 11,500mm Pole "H" : 12,000mm, Arm Dia :60mm x4.0mm Thk Arm Length : 1000mm., Base Plate = 550 x 550 x 25mm Thk Stiffener = 100 x 350 x 20mm Thk	Each	44.00	309,375.00			
22	N.S	Solar LED Light & Drive WATTAGE: 120W SOLAR LED STREET LIGHT MINIMUM 10KV SURGE PROTECTION RATING MINIMUM IP66 RATED LED TYPE: SMD 3030-2D OR BETTER WITH LUMINOUS EFFICACY > 190 LM/W FRONT COVER: TEMPERED GLASS TESTED & CERTIFIED: IEC 60598, IEC 62471, IEC 61347, CE-EMC, CE-LVD, IK-09, LM-79, LM-82, SALT SPRAY, SAND & DUST, VIBRATION, UL-1598, RoHS	Each	44.00	360,624.00			

