



Dated:

MINUTES OF THE PRE-BID MEETING / CLARIFICATION
CONSTRUCTION OF ENTRY GATE AND AT-GRADE IMPROVEMENT
AT CHAHAR BAGH PHASE-1

Pre-bid meeting of subject Contract was held on **February 2nd, 2024 (12:00 PM)**. The list of the participants who attended the meeting is attached as **Annexure – 1**. Meeting commenced with the recitation of Holy Quran. Following the introduction of the participants, Client gave the presentation on Project Background and scope of work to be implemented. Thereafter, Whereby, the Bidders were advised to forward their queries in writing. Following which, the Client will respond the clarifications and may issue the addendum to incorporate the changes in bidding documents if necessary.

As such, Pursuant to IB Sub-Clause 8.1, the clarifications of bidding documents required by prospective bidders are as follows:

Sr. No.	Contractor's Queries	RUDA's Response
1.	2 nd Pre-Bid Meeting request.	A 2 nd Pre-Bid Meeting shall be held on 12/02/2026 at 12:00 PM in the Board Room of RUDA Sub-Office at 5-C Muslim Town, Facing Canal, Lahore.
2.	There is a contradiction in the bid security amount mentioned in the bid data sheet and advertisement, please clarify.	The amount of bid security mentioned in the tender notice shall prevail. (addendum attached)
3.	Under bill of Toll Plaza item no. 9 in Volume-II of bid documents, please provide the drawing of automatic barrier.	The provision of Logo shall be treated as provisional sum. As such, the Engineer shall issue the instructions / essential information accordingly. (addendum attached)
4.	Shall the Employer perform the formalities of LESCO or the Contractor, please clarify.	All the formalities which involved LESCO's interventions / approvals / formal go-aheads, shall be borne by the Contractor. However, the Employer shall facilitate in documentation, where deemed necessary.
5.	Under bill of Entry Gate item no. 11 in Volume-II of bid documents, please provide the drawing / panel size of façade skin rock.	Please be advised that BOQ clearly prescribed the description of the work and scope together with units / quantities. Since tender is based on item-rate. Please quote the rate accordingly. (addendum attached)

John





Ravi Urban Development Authority

Government of the Punjab



Sr. No.	Contractor's Queries	RUDA's Response
6.	Please extend the bid submission deadline.	The bid submission deadline has been extended as of 17/02/2026 A corrigendum to this effect shall be published in a national newspaper.
7.	Please clarify whether the contractor shall use mixer machine or batch plant for concreting activities.	The preferred method of concrete manufacturing shall be a batch plant, where batch plant is not feasible, the Contractor may use mixer machine with prior approval of the Engineer.
8.	Please provide the details of Logo Design, section, material of logo "Chahar Bagh" not mentioned in drawings.	The provision of Logo shall be treated as provisional sum (referred attached). As such, the Engineer shall issue the instructions / essential information accordingly.
9.	Please provide the tender drawings of drain.	Please be advised that BOQ clearly prescribed the description of the work and scope together with units / quantities. Since tender is based on item-rate. Please quote the rate accordingly.
10.	Please provide the tender drawings of Electrical Works	Please be advised that BOQ clearly prescribed the description of the work and scope together with units / quantities. Since tender is based on item-rate. Please quote the rate accordingly.
11.	Please revise the minimum amount of IPC to 25 million instead of 55 million.	Regretted, please.


Executive Director Engineering
Ravi Urban Development Authority (RUDA)







Ravi Urban Development Authority

Government of the Punjab

DRE BID MEETING - At Grade Improvement Chahar Bagh Phase-I

Attendance Sheet Board Room Meetings Sub Office- RUDA

Department: Contracts

Date: 02-02-26

Sr. No	Name	Designation	Signature
1.	Shakeel Ahmed	Director Contracts	
2.	Asad Yousaf	A/DM (Infra) RUDA	
3.	Hammad Zafar	Chief Executive (Etdco)	
4.	Faizal	Executive Director	
5.	Aqeez Mahe	AGS NCC	
6.	M. Amish	Chief Executive	
7.	Zaid Hussain	Al-hassan Construction	
8.	Muhammad Shoaib	Quantity Surveyor - Inland Const. Svcs.	
9.	Muhammad Aul	SPaxco Construction Co	
10.	Haseeb	AD Contracts	
11.	Adeel Khan	Proj. Director utilities	
12.	Reem Bilal	DD/PM Site	
13.	M. Anson Ali	Resident Engineer - Nepal	
14.	Mian Waheed	AE - NESPAK	
15.	Samsir Ali	AD - Infra	
16.	John Rehmat	Director Finance Mabik Ali Hassan Co.	
17.	Afaq Rasheed	Accountant BSB Enterprise	

10/02/26





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



No. RUDA/ENGG-CON/2026/

Dated:

**CONSTRUCTION OF ENTRY GATE AND AT-GRADE IMPROVEMENT
AT CHAHAR BAGH PHASE-1**

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 prospective 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- Act. Director Infrastructure, RUDA
- 3- Mr. Jamshaid Faisal Janjua, Project Manager, M/s NESPAK
- 4- Office File



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

Handwritten initials



CONSTRUCTION OF ENTRY GATE AND AT-GRADE IMPROVEMENT
AT CHAHAR BAGH PHASE-1

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 prospective 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.	Volume No.
BD-6	BD-6 (R1)	I
SP-14	SP-14 (R1)	III

Document to be replaced:

Document Name	Replacement Document No.	Volume No.
Volume-II (BOQ)	Volume-II (BOQ) – R1	II



Handwritten mark



	<p>“The Bidder shall furnish, as part of the Technical Bid, a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in Bidding Forms, in sufficient detail to demonstrate the adequacy of the Bidder’s proposal to meet the work requirements and the completion time referred to in Sub-Clause 1.2 hereof.”</p>
12.4	<p>New Sub-clause is added:</p> <p>“The Bid shall comprise two envelopes submitted simultaneously, one called the Technical Bid and the other the Price Bid, containing the documents as listed under Sub – Clause 12.1(A) above. Both envelopes are to be enclosed together in an outer single envelope called the Bid. Each Bidder shall furnish all the documents as specified in Bidding Data 12.1(A).”</p>
13.1	<p>Words ‘Letter of Bid’ appearing in second line are replaced with “Letter of Price Bid”.</p>
14.1	<p>Existing text is deleted and replaced with the following:</p> <p>“Bidders to quote entirely in PKR Rupees. Foreign Currency Requirements are not applicable.”</p>
14.2	<p>Existing text is deleted and replaced with the following:</p> <p>“Payment under this contract shall be made entirely in PKR Rupees.”</p>
15.1	<p>The Bids shall remain valid for 90 days after the date of opening of Bid.</p>
16.1	<p>Amount of Bid Security:</p> <p>As mentioned in the tender notice / advertisement</p>
16.2	<p>Sub-clause is deleted in its entirety and replaced with the following:</p> <p>“The Bid Security shall be in the form of Bank Guarantee by (a) a Scheduled Bank in Pakistan or (b) a foreign bank duly counter-guaranteed by a Scheduled Bank in Pakistan in favour of the Employer valid for a period 28 days beyond the Bid Validity date. The Bid Security of Joint Venture shall be in the name of Joint Venture or Lead Firm on behalf of the JV.”</p>
16.4	<p>Sub-clause is deleted in its entirety and replaced with the following:</p> <p>“The Bid securities of unsuccessful Bidders will be returned as promptly as possible, but not later than 28 days after the expiration of the period of Bid Validity.”</p>
16.5	<p>Sub-clause is deleted in its entirety and replaced with the following:</p> <p>“The Bid Security of the successful Bidder will be returned when the Bidder has furnished the required Performance Security and signed the Contract Agreement.”</p>
16.6	<p>Sub-clause (c) is deleted in its entirety and replaced with the following:</p>

R1

BD – 6 (R1)

/dew





the satisfactory completion of the works.

SP-20 PAYMENT FOR WORK REQUIRED BY SPECIAL PROVISIONS

No separate payment shall be made for work required / stated in these Special Provisions.

SP-21 PROVISION OF FACILITIES FOR THE ENGINEER/EMPLOYER

Site Office for the Employer / Engineer

The text is deleted and not included in the document.

Transportation

The Contractor is required to furnish 01 Nos. 2800cc double cabin vehicle (Automatic), not more than three (03) years old model with driver (on rental basis), for the field staff of the Employer and Employer's Representative for site inspection, within one week (07 days) of signing the Contract.

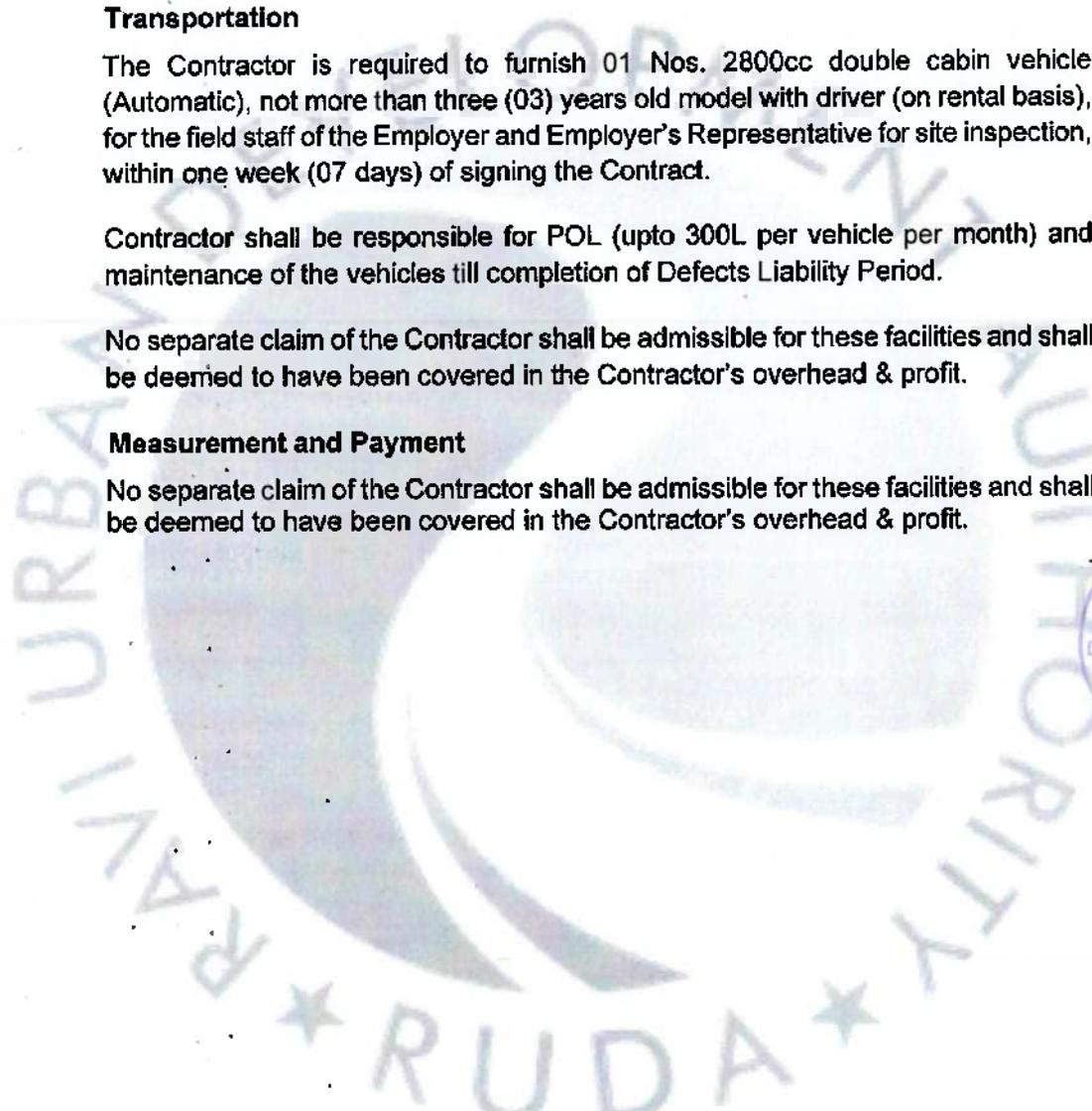
Contractor shall be responsible for POL (upto 300L per vehicle per month) and maintenance of the vehicles till completion of Defects Liability Period.

No separate claim of the Contractor shall be admissible for these facilities and shall be deemed to have been covered in the Contractor's overhead & profit.

Measurement and Payment

No separate claim of the Contractor shall be admissible for these facilities and shall be deemed to have been covered in the Contractor's overhead & profit.

R-1

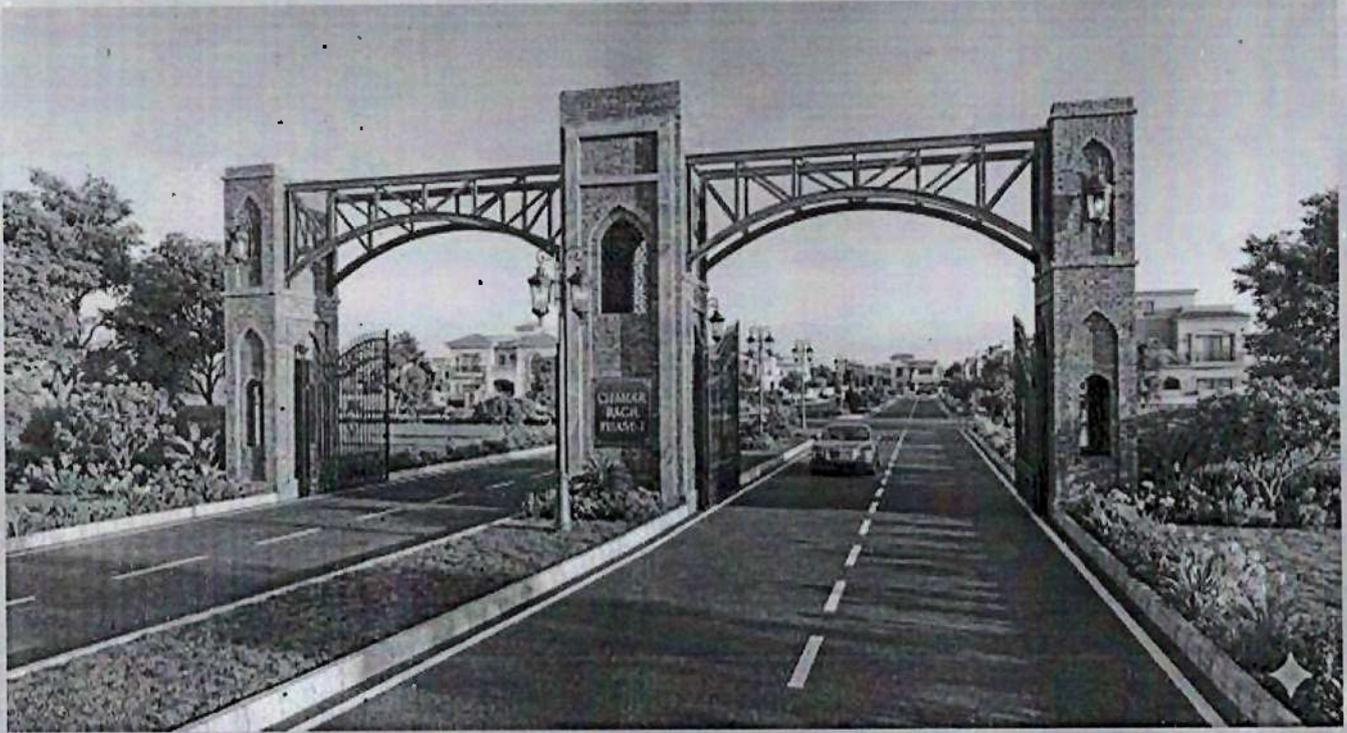


Handwritten signature



Ravi Urban Development Authority

RAVI RIVERFRONT URBAN DEVELOPMENT PROJECT



CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE AT CHAHAR BAGH PHASE-I

JANUARY 2026

BIDDING DOCUMENTS - VOLUME II

Bill of Quantities (R-1)

Handwritten signature/initials



National Engineering Services Pakistan (Pvt.) Limited



Clearance Code	4678/13/BD/0126	Doc. No.	4678 - 02	Rev No.	00
----------------	-----------------	----------	-----------	---------	----

RAVI URBAN DEVELOPMENT AUTHORITY
CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE
AT CHAHAR BAGH PHASE-I

MAIN SUMMARY

Bill No	Description of Work	Amount in (Rs.)
A	At Grade Improvement	
B	Entry Gate	
C	Toll Plaza	
D	Electrical Works	
	TOTAL CONSTRUCTION COST	
	PST @16% of Construction Cost	
	TOTAL COST	



Handwritten mark

RAVI URBAN DEVELOPMENT AUTHORITY

**CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE
AT CHAHAR BAGH PHASE-I**

AT GRADE IMPROVEMENT

SUB SUMMARY (A)

Bill No	Description of Work	Amount in (Rs.)
1	Earthwork and Allied Activities	
2	Sub-base & Base Course	
3	Surface Courses & Pavement	
4	Ancillary Works	
5	Drainage Works	
6	Dismantling of Existing Structure	
	TOTAL CONSTRUCTION COST	



10/11/11

RAVI URBAN DEVELOPMENT AUTHORITY

CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE AT CHAHAR BAGH PHASE-I

AT GRADE IMPROVEMENT

BILL OF QUANTITIES

Sr. No.	Item Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
Bill No. 1	Earthwork and Allied Activities				
1	Jungle clearance and removing within 100 ft. (30 m). a) Ordinary	1000 Sft	12,589.00		
2	Earthwork excavation undressed lead upto a single throw of Kassi, phaorah or shovel:- b) In ordinary soil.	1000 Cft	13,490.00		
3	Compaction of earthwork with power road roller, including ploughing, mixing, moistening earth to optimum moisture content in layers, etc. complete: i) 95% to 100% maximum modified AASHTO dry density. ii) 90% maximum modified AASHTO dry density.	1000 Cft 1000 Cft	42,555.00 18,258.00		
4	Earthwork in ordinary soil for embankments, including ploughing, mixing and compaction by mechanical means at optimum moisture content and dressing to designed section including all lead and lift, complete in all respects:- (Local Earth) i) 95% to 100% maximum modified AASHTO dry density ii) With 90% Compaction of AASHTO dry density.	1000 Cft 1000 Cft	30,124.00 12,925.00		
5	Earthwork in ordinary soil for embankments, including ploughing, mixing and compaction by mechanical means at optimum moisture content and dressing to designed section including all lead and lift, complete in all respects:- (Borrow Earth) i) 95% to 100% maximum modified AASHTO dry density ii) With 90% Compaction of AASHTO dry density.	1000 Cft 1000 Cft	22,778.00 9,747.00		
6	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	10,806.00		
7	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	22,338.00		
Total Cost					



Handwritten signature or initials in blue ink.

RAVI URBAN DEVELOPMENT AUTHORITY

CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE AT CHAHAR BAGH PHASE-I

AT GRADE IMPROVEMENT

BILL OF QUANTITIES

Sr. No.	Item Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
Bill No. 2	Sub-base & Base Course				
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.	100 Cft	36,875.00		
2	Reused sub base	100 Cft	24,255.00		
3	Providing and laying (WBM) 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 of work except gravel and aggregate.	100 Cft	86,345.00		
Total Cost					



Handwritten initials 'Jdw' in blue ink.

RAVI URBAN DEVELOPMENT AUTHORITY

CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE AT CHAHAR BAGH PHASE-I

AT GRADE IMPROVEMENT

BILL OF QUANTITIES

Sr. No.	Item Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
Bill No.3	Surface Courses & Pavement				
1	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	86,306.00		
2	(Asphaltic Base Course) Providing and laying plant premixed bituminous carpet, including compaction and finishing to required camber, grade and density. iii) 4% Bitumen	Cft	35,986.00		
3	Providing and laying bituminous tack coat, using 10 lbs. of bitumen per 100 Sft (0.49 Kg of bitumen per sq.m.)	100 Sft	172,633.00		
4	(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	14,373.00		
Total Cost					



Handwritten signature/initials

RAVI URBAN DEVELOPMENT AUTHORITY

CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE AT CHAHAR BAGH PHASE-I

AT GRADE IMPROVEMENT

BILL OF QUANTITIES

Sr. No.	Item Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
Bill No. 4	Ancillary Works				
1	Excavation in foundation of building, bridges and other structures, including dagbelling, 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). b) By Excavator ii) Ordinary soil	1000 Cft	34,609.00		
2	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft	3,496.00		
3	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 Viberator, 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	16,210.00		
4	(b) Retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast (Formwork on both sides) (ii) More Than 9" Thick 4000 PSI	Cft	13,490.00		
5	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	10,012.00		
	(ii) Double Face	Cft	4,005.00		
6	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):- (b) Deformed bars (ii) (Grade-60)	Tons	121.97		
7	Bitumen coating to plastered or cement concrete surface:- i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	13,805.00		
8	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect (50% Grey / 50% Coloured)				

Handwritten signature/initials



RAVI URBAN DEVELOPMENT AUTHORITY

CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE AT CHAHAR BAGH PHASE-I

AT GRADE IMPROVEMENT

BILL OF QUANTITIES

Sr. No.	Item Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
	b) 50-mm thick	Sft	9,996.00		
9	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	10,899.00		
10	Painting Arrows & Zebra crossings (1.5mm thick), with the Thermoplastic (TP) Paint including Glass Beads, complete in all respect.	Sft	1,787.00		
11	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 specific reflections, quality & shape i/c 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	1,580.00		
12	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	79.00		
13	Providing and fixing precast Edge Kerb Stone (100mm to 150mm thick), of 3500 PSI Compressive Strength, embeded in PCC 1:2:4 over lean concrete 1:4:8 etc. Complete in all respect. b) With Painting (iii) (300x150x450mm high)	Rft	4,200.00		
14	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	75.00		
15	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	65.00		
16	If 3mm thick Aluminium sheet is used instead of G.I Sheet, following composite rates shall be added.				
	a) 3-4 ft size	Sft	75.00		
	(a) 12 -48 sft	Sft	65.00		
17	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	33.00		
	(c) 4 inch diameter (footing 1.5'x1.5'x6')	Rft	33.00		
	(d) 5 inch diameter (footing 1.5'x1.5'x6')	Rft	39.00		

Handwritten signature/initials



RAVI URBAN DEVELOPMENT AUTHORITY

CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE AT CHAHAR BAGH PHASE-I

AT GRADE IMPROVEMENT

BILL OF QUANTITIES

Sr. No.	Item Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
18	<p>Providing and fixing full width/ Portal Sign Gantry comprising of 3 mm thick GI sheet (Z-275) fixed over double front and back truss made with Top & bottom chords of MS angle iron L-100x100x10 mm, webs and struts of L-65x65x8 mm welded with top and bottom truss of webs and struts of 65x65x8 mm duly supported on specified vertical posts duly welded with Base plate of 600x400x50 mm with MS stiffners of 350x150x15 mm thick MS sheet for each column fixed in prelaid RCC footing I/c the cost of polyurethane Paint to MS skeleton but excluding the cost of lettering/printing as approved and directed by the Engineer Incharge.</p> <p>II Double Columns MS-pipe of size 7500 x 457 x 12.5 mm thick</p> <p>a) Two Supports</p> <p>i. Four Lane</p>	Sft	1,194.00		
19	<p>Lettering and printing of signage/ direction boards/ road delineators of any colour by machine I/c cost of Digital Lettering, Lamination & pasting etc. Complete in all respect.</p> <p>b) Diamond Grade Tape</p>	Sft	742.00		
Total Cost					



Handwritten signature/initials

RAVI URBAN DEVELOPMENT AUTHORITY

CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE AT CHAHAR BAGH PHASE-I

AT GRADE IMPROVEMENT

BILL OF QUANTITIES

Sr. No.	Item Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
Bill No. 5	Drainage Works				
1	Earthwork excavation in open cutting for storm water channels, drains, sillage drains in open areas, roads, streets, lanes, including under pinning of walls and shoring to protect existing works, shuttering and timbering the trenches, dressed to designed level and dimensions, trimming, removal of surface water from trenches, back filling and surplus excavated material disposed of and dressed within 50 ft. (15 m) lead:- 1) Upto 5' (1.5 meter) depth 1) Upto 5' (1.5 meter) depth B) By Mechanical means Ordinary	1000 Cft	9,550.00		
2	Supplying and filling sand under floor or plugging in wells	100 Cft	3,123.00		
3	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft	2,453.00		
4	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 Viberator, 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	Cft	8,650.00		
	(b) Retaining/ Shear walls laid in situ or precast laid in position, or prestressed members cast (Formwork on both sides) (ii) More Than 9" Thick 4000 PSI	Cft	5,004.00		
	(c) Substructure (Foundations, Raft, Strip and Footing Beams) (iv) 4000 PSI	Cft	9,400.00		
5	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):- (b) Deformed bars (ii) (Grade-60)	Tons	89.94		
6	Bitumen coating to plastered or cement concrete surface:- i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	13,838.00		
7	Providing and embedding 10" (250mm) wide PVC water stopper in expansion joints of RCC structures (Retaining walls, water tanks, Slabs) complete in all respect. 10mm Thick	Rft	2,290.00		

Adw.



RAVI URBAN DEVELOPMENT AUTHORITY

CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE AT CHAHAR BAGH PHASE-I

AT GRADE IMPROVEMENT

BILL OF QUANTITIES

Sr. No.	Item Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
8	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.	Kg	196.00		
9	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 (Two Coats)	Sft	58.00		
10	Filling expansion joints with bitumen. sand & saw dust in ratio 1:2:2.	Rft	890.00		
11	Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with working pressure pipe, in trenches, including specials (PS-3051=BS-3505), complete in all respects:- a) Class-B (6 bar) 4"	Rft	70.00		
12	De-silting including, disposal of sludge upto one Chain (30 Meters). a) Open Drain	100 Cft	18,900.00		
Total Cost					



Adw

RAVI URBAN DEVELOPMENT AUTHORITY

CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE AT CHAHAR BAGH PHASE-I

AT GRADE IMPROVEMENT

BILL OF QUANTITIES

Sr. No.	Item Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
Bill No. 6	Dismantling of Existing Structure				
1	Dismantling cement concrete 1:2:4 plain.	100Cft	105.00		
	Dismantling cement concrete plain 1:4:8 plain.	100Cft	3,405.00		
2	Dismantling cement concrete reinforced, separating reinforcement from concrete, cleaning and straightening the same.	100Cft	14,610.00		
3	Removal of Kerb Stone	Rft	1,120.00		
4	Dismantling and removing road metalling.	100Cft	12,803.00		
5	Dismantling and removing road pavement, etc., including screening and stacking of byproducts upto one chain lead (30 metre).	100Cft	35,215.00		
6	Removal of unsuitable material from site.	Cft	91,058.00		
7	Recovery of steel	kg	(16,548.00)		
	Total Cost				



John

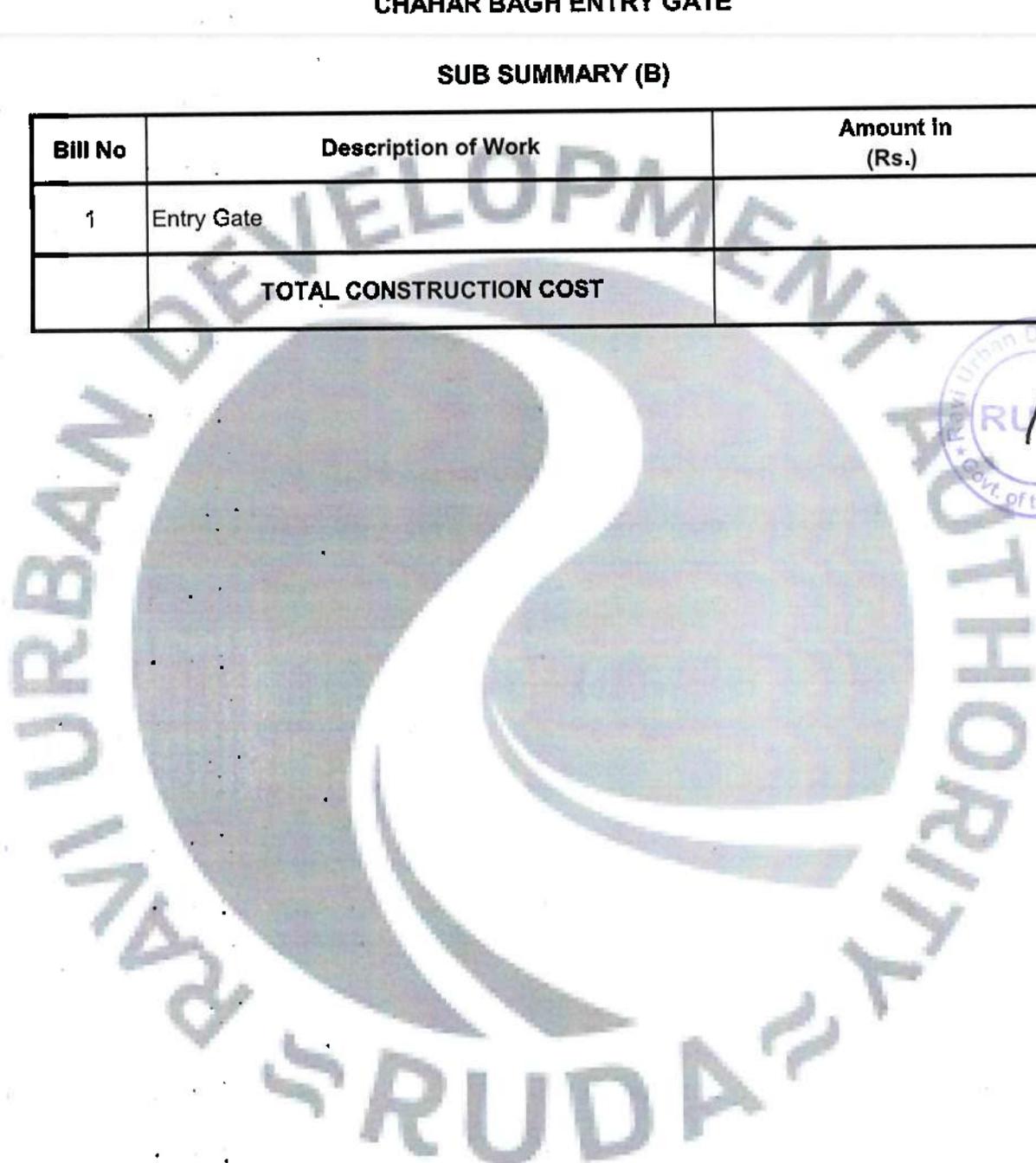
RAVI URBAN DEVELOPMENT AUTHORITY

**CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE
AT CHAHAR BAGH PHASE-I**

CHAHAR BAGH ENTRY GATE

SUB SUMMARY (B)

Bill No	Description of Work	Amount in (Rs.)
1	Entry Gate	
	TOTAL CONSTRUCTION COST	



Handwritten signature or initials.

RAVI URBAN DEVELOPMENT AUTHORITY

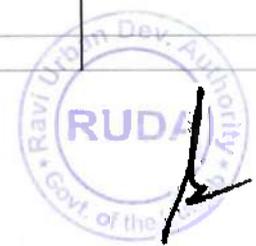
CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE AT CHAHAR BAGH PHASE-I

CHAHAR BAGH ENTRY GATE

BILL OF QUANTITIES

Sr. No.	Item Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
Bill No. 1	Entry Gate				
	CIVIL WORKS				
1	Excavation in foundation of building, bridges and other structures, including daggelling, 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). 1) Depth upto 5ft (1.5m) b) By Excavator				
	i) Ordinary Soil	1,000 Cft	7,188.00		
	2) a) Depth from 5.1 ft (1.5m) to 15 ft (4.5 m):- By Excavator ii) Ordinary soil	1,000 Cft	3,953.00		
2	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 leads and lifts, dressing, watering complete in all respect as approved and directed by the Engineer In-charge.	1 Cft	6,487.00		
3	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8 (f) Ratio 1: 2: 4	100 Cft	304.00		
		100 Cft	307.00		
4	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 ACI 214, with the specified consistency. I/c the cost of shuttering, compaction with Viberator, excluding the cost of Admixture, as approved and directed by the Engineer Incharge. (c) Substructure (Foundations, Raft, Strip and Footing Beams vi) 4000 PSI	1 Cft	4,350.00		
	(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 4000 PSI Above 9" thick	1 Cft	4,302.00		
		1 Cft	625.00		
	(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 inforcement, its fabrication and placing in position, etc.):- (iv) 4000 PSI	1 Cft	1,128.00		
5	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. The rate includes wastage, overlaps and steel chairs, etc. complete in all respect (also includes removal of rust from bars):- (c) Deformed bars (Grade-60)	100 Kg	41,895.00		

Adm



RAVI URBAN DEVELOPMENT AUTHORITY

CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE AT CHAHAR BAGH PHASE-I

CHAHAR BAGH ENTRY GATE

BILL OF QUANTITIES

Sr. No.	Item Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
6	Bitumen coating to plastered or cement concrete surface: i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	2,439.00		
7	Providing and fixing precast Edge Kerb Stone (100 mm to 150 mm 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 (Ili) (300x150x450mm high)	1 Rft	281.00		
8	Providing and laying Tuff Pavers, having 7000 PSI crushing strength, of approved manufacturer, over 2" to 3" sand cushion, including grouting with sand in joints, including finishing to required slope, complete in all respect. (50% Grey / 50% Coloured) b) 60-mm thick	1 Sft	930.00		
9	Providing and fixing Galaxy Granite 1" thick (Size 2' x 4') on wall, Grove less and Mechanical placement complete in all respect	1 Sft	1,168.00		
10	Providing and fixing Travertine Stone 1" thick (Size 2' x 4') on wall, Grove less and Mechanical placement complete in all respect	1 Sft	2,948.00		
11	Providing and applying Skin Rock (Sheet Size: 4' x 8', Imported Sheet) on wall and other finishes, complete in all respect	1 No	121.00		
12	CB logo, Alphabets and other finishes complete in all respect	1 P.S	1.00	—	1,000,000.00
TOTAL COST					



Handwritten initials/signature in blue ink.

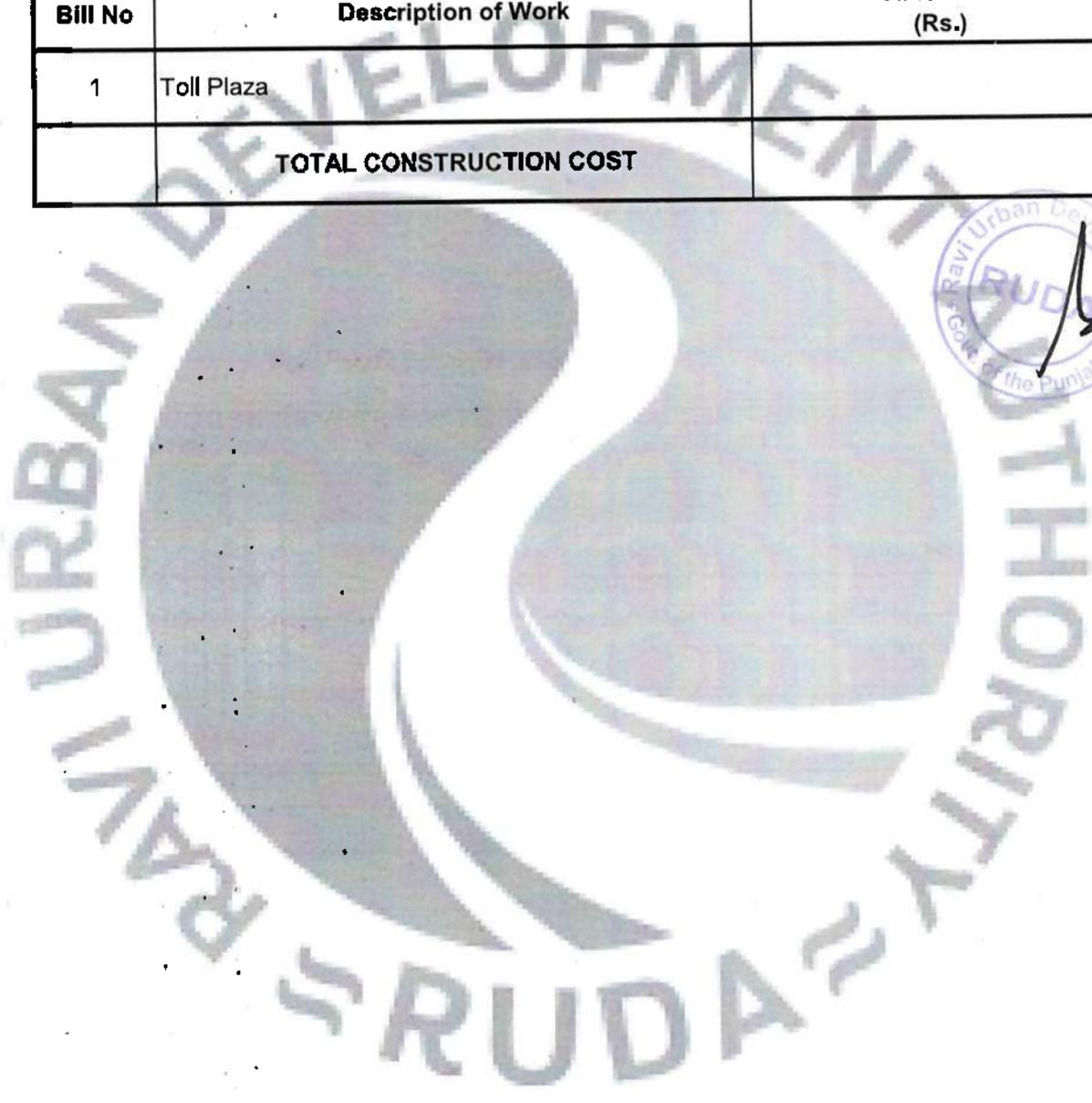
RAVI URBAN DEVELOPMENT AUTHORITY

**CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE
AT CHAHAR BAGH PHASE-I**

TOLL PLAZA (C)

SUB SUMMARY

Bill No	Description of Work	Amount In (Rs.)
1	Toll Plaza	
	TOTAL CONSTRUCTION COST	



Handwritten mark or signature.

RAVI URBAN DEVELOPMENT AUTHORITY

CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE AT CHAHAR BAGH PHASE-I

TOLL PLAZA (C)

BILL OF QUANTITIES

Sr. No.	Item Description	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
Bill No. 1	Toll Plaza Booth				
	CIVIL WORKS				
1	Excavation in foundation of building, bridges and other structures, including daggelling, 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). 1) Depth upto 5ft (1.5m) b) By Excavator				
	i) Ordinary Soil	1,000 Cft	650.00		
2	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 leads and lifts, dressing, watering complete in all respect as approved and directed by the Engineer In-charge.	1 Cft	195.00		
3	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100 Cft	28.00		
4	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 ACI 214, with the specified consistency. i/c the cost of shuttering, compaction with Viberator, excluding the cost of Admixture, as approved and directed by the Engineer Incharge.				
	(c) Substructure (Foundations, Raft, Strip and Footing Beams				
	vi) 4000 PSI	1 Cft	165.00		
5	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. The rate includes wastage, overlaps and steel chairs, etc. complete in all respect (also includes removal of rust from bars):-				
	(c) Deformed bars (Grade-60)	100 Kg	514.00		
6	Bitumen coating to plastered or cement concrete surface: i) 20 lbs. per 100 Sft. (9.07 Kg per Sq.m)	100 Sft	173.00		
7	Providing and laying Tuff Pavers, having 7000 PSI crushing strength, of approved manufacturer, over 2" to 3" sand cushion, including grouting with sand in joints, including finishing to required slope, complete in all respect. (50% Grey / 50% Coloured) b) 60-mm thick	1 Sft	40.00		
8	Providing and fixing toll booth along with automatic barriers complete in all respect or as directed by engineer Incharge	1 P.S	1.00	—	675,000.00
9	Providing and fixing automatic barriers complete in all respect or as directed by engineer incharge	1 P.S	1.00	—	1,030,500.00
TOTAL COST					

7/10/22



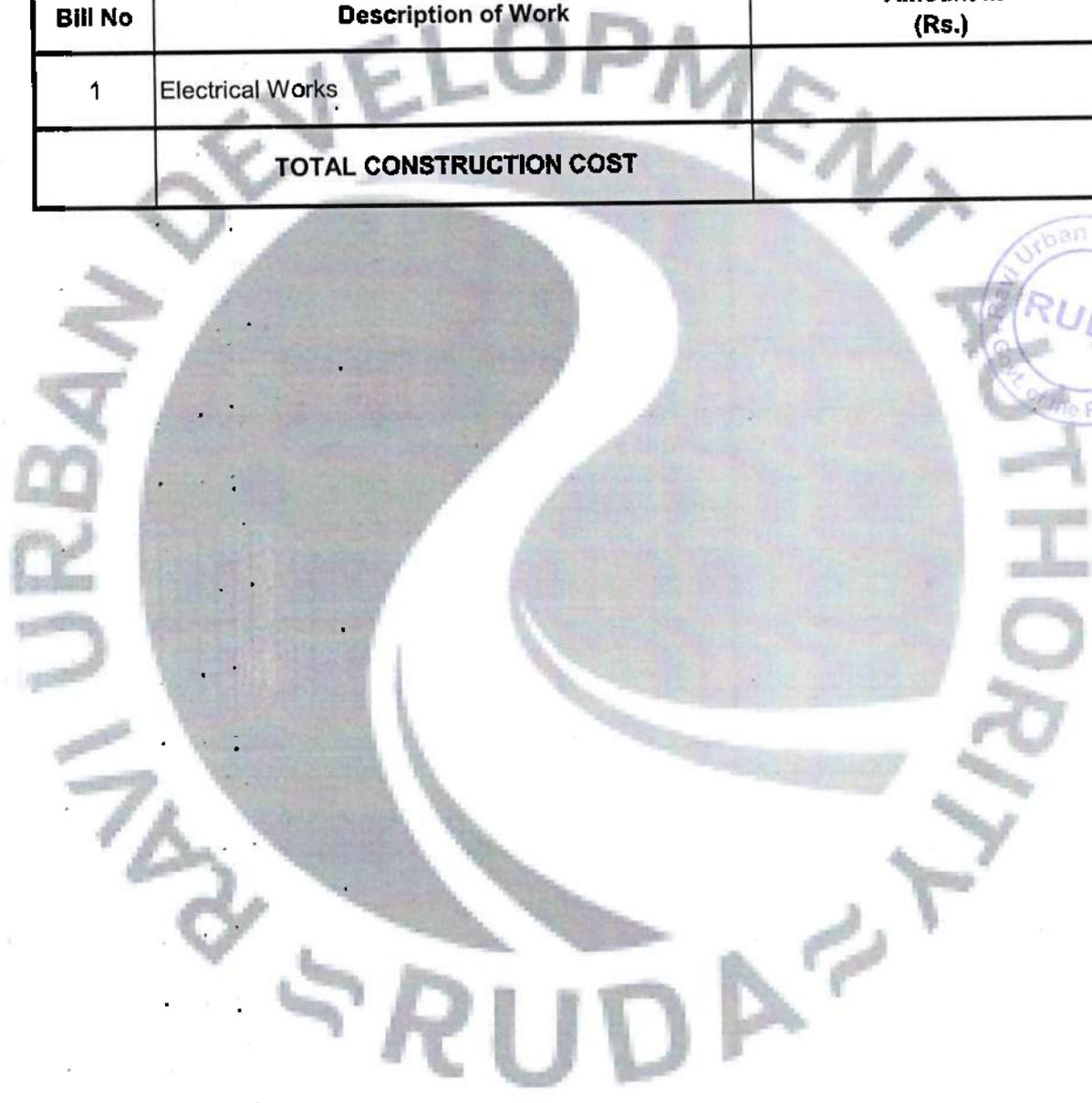
RAVI URBAN DEVELOPMENT AUTHORITY

**CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE
AT CHAHAR BAGH PHASE-I**

ELECTRICAL WORKS

SUB SUMMARY (D)

Bill No	Description of Work	Amount in (Rs.)
1	Electrical Works	
	TOTAL CONSTRUCTION COST	



fw

RAVI URBAN DEVELOPMENT AUTHORITY

CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE AT CHAHAR BAGH PHASE-I

ELECTRICAL WORKS

BILL OF QUANTITIES

Item No.	Description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
Bill No. 1	Electrical Works				
	Design, supply, transportation, storage, installation, testing and commissioning of the following items of work, including all material, labour, tools and accessories etc. required for proper completion of each item as per specification, drawings and/or as directed by the Engineer.				
1	Supplying, installation testing and commissioning of Octagonal shape street light pole, made of hot dipped 4.5 mm thick (7 SWG) galvanized steel, tapered from 225 mm at bottom to 100 mm at top, with 1500 mm x 60 mm x 4 mm thick dia. arm for luminaire installation, duly G.I. welded with 470x470x20 mm base plate with the help of 4 no triangular stiffeners 100x350x20 mm of GI sheet, with built in junction box with shutter & two (02) nos. 2A SP MCB 10kA breaker, i/c the cost of nuts & J-rag bolts, duly fixed in pre-laid concrete foundation, foundation will be paid additionally as approved and directed by the Engineer incharge.				
	a) Single Arm (iii) 12 mtr height	Each	42.00		
	b) Double Arm (iii) 12 mtr height	Each	5.00		
2	Road Lighting Pole Foundation	Each	47.00		
	LED Road Light Fixtures				
3	Road Lighting LED Cobra-head Luminaries of 120W and 120 lm/W conforming to IP 66 & IK 08 or above Philips/Osram/Thorn or NEECA approved equivalent manufacturer with corrosion resistant die casted Aluminum housing, silicon gasket in special groove, UV stable & scratch resistant synthetic materials, thermally hardened glass complete with LED Chip (Philips Lumiled/Cree/Nichia/Osram make or equivalent approved manufacturer), programmable LED driver (Harvard/TCI/Lumotech/Philips/VOSSLOH Schwabe/Lightech make or approved equivalent manufacturer), minimum 10kV surge protection rating i/c the cost of all accessories/ components required for proper operation, fully flexible for future upgradation and easy replacements for maintenance purposes, bucket elevator charges as approved and directed by the Engineer incharge.	No.	52.00		
	Conduits / Pipes				
4	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines/electric cables upto 5 ft. (1.5 m) depth from ground level, including backfilling, trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	1000 Cft	6,748.00		
5	PVC pipe/conduit Class-D 100 mm dia with accessories suitable for laying multi-core cables in trenches/directly buried on road crossings including excavation.	Rft	280.00		
6	PVC pipe/conduit Class-B 100 mm dia with accessories suitable for laying multi-core cables in walls/barriers/structure.	Rft	4,600.00		
	Low Voltage Power Cables				

Handwritten signature/initials



RAVI URBAN DEVELOPMENT AUTHORITY

CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE AT CHAHAR BAGH PHASE-I

ELECTRICAL WORKS

BILL OF QUANTITIES

Item No.	Description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
7	PVC insulated, PVC sheathed 4 core 25 mm ² , 600/1000 volt non armoured copper conductor cable for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)	Rft	4,600.00		
8	Single core 25mm ² PVC insulated copper conductor 450/750 volts cable, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only)	Rft	459.00		
9	PVC insulated, PVC sheathed 4 core 16 mm ² , 600/1000 volt non armoured copper conductor cable for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only)	Rft	3,252.00		
10	Single core 16mm ² PVC insulated copper conductor 450/750 volts cable, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only)	Rft	4,680.00		
11	3 Nos. 1 core 2.5 mm ² Cu/PVC 450/750 Voltage grade cable (stranded conductor) (Imported copper shall be used. Verified documentary evidence for source of copper & PVC shall be furnished prior to manufacturing) from junction box to the fitting through the hollow of pole. For 12m Pole	No.	47.00		
12	Road lighting control panel with angle iron frame cladded 14 SWG, sheet steel enclosure having high quality powder coated paint, color RAL 7032. The LCP shall be complete with incoming and outgoing MCCBs, Cu bus bars, magnetic contactors, photo-electric switches, meters, indication lights, construction with IP 54 protection class, door, locking arrangement etc. and all other accessories as required for quality work. MATERIAL 1 No. incoming 63 Amp.(adj.) TP, MCCB, 25 kA 4 No. outgoing 25 Amp. (adj.) TP MCCBs, 25 kA 2 No. outgoing 25 Amp. (adj.) TP MCCBs, 25 kA (Spare) 4 No. 32 Amp. magnetic contactor 2 No. 32 Amp. magnetic contactor (Spare) 3 No. photo-electric switches with timers and relays a) 1 No. ammeters 0-100 Amp, with selector switch (04 position) and CT of 100/5 Amp b) 3 No. indication lights c) 1 No. voltmeter with fuse and 7 position selector switch. d) 3 Ph, N & Earth copper bus bars Internal wiring & line-up terminals etc. Brass cable glands/accessories e) 06 Nos. Auto-Manual-OFF (3 position switches for operation in auto (with photocell) and normal (manual mode-photocell override) f) 06 Nos.ON & 06 Nos. OFF push button switch's with indication lights g) Panel Light with limit Switch	Job	2.00		
	Earthing				
13	Earthwork excavation undressed lead upto a single throw of Kassi, phaorah or shovel:- b) In ordinary soil.	1000 Cft	18.00		
14	Supplying and filling sand under floor or plugging in wells	100 Cft	18.00		

Handwritten signature/initials



RAVI URBAN DEVELOPMENT AUTHORITY

CONSTRUCTION OF ENTRY GATE AND AT GRADE IMPROVEMENT FOR ENTRANCE AT CHAHAR BAGH PHASE-I

ELECTRICAL WORKS

BILL OF QUANTITIES

Item No.	Description	Unit	Qty	Rate (Rs.)	Amount (Rs.)
15	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 Viberator, 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	1.00		
16	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):- (b) Deformed bars (ii) (Grade-60)	Kg	1.70		
17	Rod type Earth point comprising of 5/8" dia. (16 mm dia) 10 ft long copper coated M.S. rod driven in ground duly fixed with clamp with Tinned earth test link copper plate (300x50x10mm), I/c the cost of brass nuts, spacers, bolts washers lugs etc. complete in all respect including earth pit and RCC cover.	Each	2.00		
	Pole Mounted Transformer				
18	Oil cooled type, Step down Power Transformer pole mounted of 25 kVA rating, 11/0.415 kV, I/c the cost of lifting hooks, thermometers, LT & HT bushing 5-steps, tap changer, imported double float buchholz relay, 2 earthing terminals, roller wheels, connecting terminals for cables M.S box on transformer in order to cover complete L.T side, all necessary materials required for connections on H.T & L.T side, rated voltage 11000/415/240 V impedance 4% or as specified by WAPDA/IEC system earth: Delta / Star, neutral solidly earthed, I/c Wapda testing charges, complete in all respects made of PEL, Siemens, Transfopower, Elmetec or as approved and directed by the Engineer Incharge with three phase energy meter.	Job	2.00		
19	MV Cable and Termination Kit				
a)	MV cable 3-core 120mm ² XLPE/PVC/SWA/PVC cable with aluminium conductor voltage grade: 8.7/15 kV	Rft	600.00		
b)	Providing and fixing/installation indoor 3-core 120mm ² , 11KV, XLPE, heat shrink termination Kit complete in all respect as required.	Job	1.00		
c)	Providing and fixing/installation outdoor 3-core 120mm ² , 11KV, XLPE, heat shrink termination Kit complete in all respect as required.	Job	1.00		
Total Cost					

Adw

