

A-2
Schedule-A to Bid

SCHEDULE OF ADJUSTMENT DATA

Table I. Local Currency (LC) For Bill Nos. _____

[In the Table below, the Bidder shall (a) indicate amount of local currency payment, and the Employer shall (b) enter the Index description and source of indices for the different elements of cost, and (c) derive weightings for local currency payment including nonadjustable fixed portion. PEC Standard Procedure and Formula for Price Adjustment (Second Edition), May, 2022 as amended time to time shall be applied for preparation of the following Table.]

Index Code	Index Description	Source of Index	Base Value and Date	Bidder's Local Currency Amount	Bidder's Proposed Weighting
(i)	Non adjustable (Fixed Portion)				0.3
	Adjustable (Non Fixed Portion)				
(ii)	Local unskilled Labor	Pakistan Bureau of Statistics Monthly Statistical Bulletin for Abbottabad City			(0.15)
(iii)	Cement (OPC)	Pakistan Bureau of Statistics Monthly Statistical Bulletin for Abbottabad City			(0.15)
(iv)	Reinforcement steel (Representing all types and dimension of steel reinforcement)	iii)Reinforcement steel (Representing all types and dimension of steel reinforcement)			(0.25)
(v)	High Speed Diesel (HSD)	Pakistan State Oil (PSO)			(0.15)
Total					1.00

A-1
Schedule-A to Bid

SCHEDULE OF ADJUSTMENT DATA

Schedule of Cost Indexation

[The Employer is to engage a professional with experience in construction costs and the inflationary effect on construction costs when preparing the contents of the Schedule of Cost Indexation. In the case of very large and/or complex works contracts, it may be necessary to specify several families of price adjustment formulae corresponding to the different works involved.]

[The formulae for price adjustment shall be of the following general type:]

$$P_n = a + b \frac{L_n}{L_o} + c \frac{E_n}{E_o} + d \frac{M_n}{M_o} + \dots$$

where:

“P_n” is the adjustment multiplier to be applied to the estimated Contract value in the relevant currency of the work carried out in period “n”, this period being a month;

“a” is a fixed coefficient, stated in the relevant table of adjustment data, representing the non-adjustable portion in contractual payments;

“b”, “c”, “d”, ... are coefficients representing the estimated proportion of each cost element related to the execution of the Works as stated in the relevant table of adjustment data; such tabulated cost elements may be indicative of resources such as labour, equipment and materials;

“L_n”, “E_n”, “M_n”, are the current cost indices or reference prices for period “n”, expressed in the relevant currency of payment, each of which is applicable to the relevant tabulated cost element on the date 49 days prior to the last day of the period (to which the particular Payment Certificate relates); and

“L_o”, “E_o”, “M_o”, are the base cost indices or reference prices, expressed in the relevant currency of payment, each of which is applicable to the relevant tabulated cost element on the Base Date.

The weightings (coefficients) for each of the factors of cost stated in the following table(s) of adjustment data shall only be adjusted if they have been rendered unreasonable, unbalanced or inapplicable, as a result of Variation(s).

If the currency in which the Contract price is expressed is different from the currency of the country of origin of the indices, a correction factor will be applied to avoid incorrect adjustments of the Contract price. The correction factor shall be: Z_0 / Z_1 , where,

Z_0 = the number of units of currency of the origin of the indices which equal to one unit of the currency of the Contract Price on the Base date, and

Z_1 = the number of units of currency of the origin of the indices which equal to one unit of the currency of the Contract Price on the Date of Adjustment.

B-1
Schedule-B to Bid**BILL OF QUANTITIES****A. Preamble:**

1. The Bill of Quantities shall be read in conjunction with the Conditions of Contract, Specifications and Drawings.
2. The quantities given in the Bill of Quantities 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 and prices as given in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix as per the Contract.
3. The rates and prices as given in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the Contract include all costs of Contractor's plant, labour, supervision, materials, execution, insurance, profit, taxes and duties, together with all general risks, 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 date 28 days prior to deadline for submission of Bids, shall be included in the rates and prices and the total Bid Price submitted by the Bidder.
4. A rate or price shall be entered against each item in the priced Bill of Quantities, whether quantities are stated or not. The cost of items against which the Contractor will have failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.
5. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of the Works, or the same shall be determined by the Engineer in accordance with Clause 13, General Conditions.
6. General directions and description of work and materials are not necessarily repeated nor summarised in the Bill of Quantities. References to the relevant sections of the Bidding Documents shall be made before entering prices against each item in the Bill of Quantities.
7. Provisional sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Engineer in accordance with Sub-Clause 13.4 of General Conditions of Contract.
8. The method of measurement of completed work for payment shall be in accordance with the Specifications, except where provided otherwise. The Contractor has to clear the site to the satisfaction of the Engineer and he will include the cost of such compliance in his rates.
9. The contractor shall include in his rates for all costs of samples, sampling and testing as satisfied.

10. The following abbreviations for units have been used in Bill of Quantities:

Units		Abbreviations
Cubic Meter	=	CM
Square Meter	=	S.M
Kilogram	=	kg
Provisional Sum	=	P.S
Linear Meter	=	LM
Meter	=	M
Running Meter	=	RM

BILL OF QUANTITIES

B. Work Items:

The Bill of Quantities contains the following Bills and Schedule

- Bill No. A - General Items
- Bill No. B-1 - Earthworks and Allied Activities
- Bill No. B-2 - Surface Courses and Pavement (Flexible Pavement)
- Bill No. B-3 - Structures (Retaining / Breast Walls)
- Bill No. B-4 - Structures (Bridges)
- Bill No. B-5 - Drainage and Erosion Works
- Bill No. B-6 - Causeways (3 No.)
- Bill No. B-7 - Culvert (02 No.)
- Bill No. C - Dayworks Schedule

Summary of Bill of Quantities

1. Bidders shall price the Bill of Quantities in Pak. Rupees (PKR) only.

BILL OF QUANTITIES**Bill No. A General Items**

Item No.	Description	Unit	Qty	Unit Rate (Rs)	Amount In Words (PKR)	Amount In Figures (PKR)	Pay Item No.
1	Environmental Testing During Construction Phase from EPA certified laboratory						
1-a	Air Quality (As per NEQs)	Nos.	10				General Specs 5.12
1-b	Noise Level and Dust Emission (PM2.5, PM10, SPM)	No's	10				General Specs 5.12
1-c	Water Quality (Surface Water, Drinking Water & Wastewater)	No's	15				General Specs 5.13
2	Environment Social Health & Safety (ESHS) Officer & Occupational Health and Safety OHS Supervisor	P.S		4,500,000			General Specs 5.14
3	(ESHS Management Personal Protective Equipment (PPE) for 50 employees for the provision of dust masks, safety shoes, helmet, jackets, safety goggles, gloves, first aid box, ear plugs, Waste Management, House Keeping, Camp Management, Fire Extinguisher and Safety Sign Boards)	P.S		3,750,000			General Specs 5.15
4	Medical screening for workers	Nos.	60				General Specs 5.15
5	Insurance for loss or damage to the Works, Equipment, property and personal injury or death under Sub-Clause 19.2	P.S		15,000,000			General Specs 5.16
6	Price Adjustment	P.S		35,000,000			
7	DAAB PAYment	P.S		10,000,000			
8	Geotechnical Investigations	P.S		5,000,000			
Total For Specified Provisional Sum (2,3,5,6,7,8)				73,250,000			
Total for Bill No.A							

BILL OF QUANTITIES**Bill No. B-1 Earthwork and Allied Activities**

SR. NO.	Description	Unit	Qty	Unit Rate (Rs)	Amount In Words (PKR)	Amount In Figures (PKR)	Spec No.
1	Clearing and Grubbing by mechanical means	S.M	1,220.00				KPK MRS 3.7
2	Removal of Tree : Girth 150mm - 300mm including removal of stump & backfilling with sand	No.	200.00				KPK MRS 3.8
3	Removal of Tree : Girth 300mm - 600mm including removal of stump & backfilling with sand	No.	200.00				KPK MRS 3.8
4	Removal of Tree : Girth over 600mm including removal of stump & backfilling with sand	No.	100.00				KPK MRS 3.8
5	Compaction of Natural Ground	SM	1,220.00				KPK MRS 3.10, 3.3.3
6	Roadway Excavation in Surplus / Unsuitable Common Material	CM	13,781.00				KPK MRS 3.9.5
7	Roadway Excavation in Surplus / Unsuitable Rock (Hard) Material requiring blasting.	CM	1,838.00				KPK MRS 3.9.5
8	Roadway Excavation in Surplus / Unsuitable Rock (Medium) Material requiring blasting.	CM	2,757.00				KPK MRS 3.9.5
9	Roadway Excavation in Surplus / Unsuitable Rock (Soft) Material	CM	73,498.00				KPK MRS 3.9.5
10	Formation of Embankment from Roadway excavation in common Material	CM	1,556.00				KPK MRS 3.9.4
11	Formation Of Embankment From Roadway Excavation In Hard Rock Material	CM	208.00				KPK MRS 3.9.4
12	Formation Of Embankment From Roadway Excavation In Medium Rock Material	CM	312.00				KPK MRS 3.9.4

SR. NO.	Description	Unit	Qty	Unit Rate (Rs)	Amount In Words (PKR)	Amount In Figures (PKR)	Spec No.
13	Formation Of Embankment From Roadway Excavation In Soft Rock Material	CM	8,299.00				KPK MRS 3.9.4
14	Subgrade Preparation in Existing Road Without Any Fill ; Mod. AASHTO 95%	CM	10,965.00				KPK MRS 16.2.1
TOTAL COST FOR BILL NO. B-1							

BILL OF QUANTITIES

Bill No. B-2 Surface Course & Pavement

SR. NO.	Description	Unit	Qty	Unit Rate (Rs)	Amount In Words (PKR)	Amount In Figures (PKR)	Spec No.
1	Granular Sub Base Using Crushed Stone Aggregate	CM	787.00				KPK MRS 16.3.1
2	Water Bound Macadam Base Course	CM	1574.00				KPK MRS 16.3.2
3	Triple bitumenous Surface Treatment	S.M	7,870.00				KPK MRS 16.4.5
TOTAL COST FOR BILL NO. B-2							

BILL OF QUANTITIES**Bill No. B-3 Structures (Retaining/Breast Walls)**

SR. NO.	Description	Unit	Qty	Unit Rate (Rs)	Amount In Words (PKR)	Amount In Figures (PKR)	Spec No.
1	Structural Excavation in Common Material by mechanical means	CM	6,198.00				KPK MRS 3.9.6
2	Lean concrete for use as thin layer under neath footings with cylinder compressive strength of 1423 psi on 28 days.	CM	2,690.00				KPK MRS 6.1.3
3	Class B concrete for concrete in pile specified works only with minimum cylinder compressive strength 2418 psi on 28 days and consistency range in slump 25-75 mm with water cement ratio 0.65 (Coping)	CM	260.00				KPK MRS 6.1.3, 6.3
4	Stone Masonry Random with Mortar Class-A	CM	10,770.00				KPK MRS 5.2.3, 8.12
5	Stone Masonry Dressed Uncoursed with Mortar (for Parapet Walls)	CM	280.00				KPK MRS 5.2.3, 8.12
6	Dismantling of Structures and Obstructions	CM	100.00				KPK MRS 4.1
7	Rock Fill in Gabions	CM	4,580.00				NHA CSR Item No. 507
8	Steel Wire Mesh (9 SWG) for Gabions	Kg	82,420.00				NHA CSR Item No. 507
9	PVC Pipe 4" Dia.	RM	390.00				Volume- 2 Techn Specs Heading 1.1
TOTAL COST FOR BILL NO. B-3							

BILL OF QUANTITIES**Bill No. B-4 Structures (Bridges)**

SR. NO.	Description	Unit	Qty	Unit Rate (Rs)	Amount In Words (PKR)	Amount In Figures (PKR)	Spec No.
1	Structural Excavation In Medium Rock Material	CM	498.00				KPK MRS 3.9.6, 3.13
2	Structural backfill using Common Material available at site.	CM	104.00				KPK MRS 3.9.6
3	Class A1 concrete in reinforcement/non reinforcement concrete structure with minimum cylinder compressive strength 3000 psi on 28 days other than concrete in water and piles with consistency range in slump 25-75 mm with water cement ratio 0.58 Approach Slab	CM	27.00				KPK MRS 6.1.3, 6.3
4	Class A3 cement concrete for concrete with minimum cylinder compressive strength 4000 psi on 28 days other than concrete in water and piles with consistency range in slump 100-150 mm with water cement ratio 0.58 Transom, Deck Slab, Diaphragm , Wing Walls ,Curtain wall , Abutment Seat & Rcc Railing, Closed Abutment Wall	CM	423.00				KPK MRS 6.1.3, 6.3
5	Class A3 cement concrete for Piles concrete with minimum cylinder compressive strength 4000 psi on 28 days other than concrete in water and piles with consistency range in slump 100-150 mm with water cement ratio 0.58Concrete Class 'A3' Piles , Pile Cap	CM	444.00				KPK MRS 6.1.3, 6.3
6	Class A3 cement concrete for Piles concrete with minimum cylinder compressive strength 4000 psi on 28 days other than concrete in water and piles with consistency range in slump 100-150 mm with water cement ratio 0.58Concrete Class 'A3' Piers	CM	135.53				KPK MRS 6.1.3, 6.3

SR. NO.	Description	Unit	Qty	Unit Rate (Rs)	Amount In Words (PKR)	Amount In Figures (PKR)	Spec No.
7	Class D1 concrete for concrete in pre-stressed & post tensioned with minimum cylinder compressive strength 4978.12 psi on 28 days and consistency range in slump 50-100 mm with water cement ratio 0.40 Precast Girder	CM	110.00				KPK MRS 6.1.3, 6.3
8	Class A3 cement concrete for concrete with minimum cylinder compressive strength 4000 psi on 28 days other than concrete in water and piles with consistency range in slump 100-150 mm with water cement ratio 0.58 RCC PLANKS	CM	80.00				KPK MRS 6.1.3, 6.3
9	Lean concrete for use as thin layer under neath footings with cylinder compressive strength of 1423 psi on 28 days.	CM	27.00				KPK MRS 6.1.3
10	Erection and removal of Form work with Steel Surface Finishing for RCC or Plain Concrete in any shape - Position / Horizontal	SM	596.33				KPK MRS 6.5
11	Erection and removal of Form work with Steel Surface Finishing for RCC or Plain cement Concrete in any shape - Position / Vertical	SM	2,805.00				KPK MRS 6.5
12	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tons	210.00				KPK MRS 6.19
13	Supplying & fixing high tensile steel (Grade 250K) wire in prestressing cables in precast girders	Tons	11.00				KPK MRS 6.17.1
14	Jack Anchorage For 10 to 12 Wires 0.5" Strand (Comprising Trumpet, Stressing Block & Wedges Complete)	Each	90.00				KPK MRS 16.6.7
15	Supply and Fixing stressing anchorages for high tensile steel wire cables in precast girders	Set	90.00				KPK MRS 16.6.7
16	Supply and Fixing spirally wound sheath of 50mm dia. For pre-stressing of cables in precast conc. Girders	m	1,200.00				KPK MRS 16.6.7

SR. NO.	Description	Unit	Qty	Unit Rate (Rs)	Amount In Words (PKR)	Amount In Figures (PKR)	Spec No.
17	Providing and fixing GI Steel (Hamp core) Ropes 1/2" dia	m	1,200.00				KPK MRS 16.10
18	Stressing Cable of High Tensile Steel Wire Strands	Each	90.00				KPK MRS 16.6.7
19	Launching girders in place, including lifting & handling any number of time including temporary works comp	M	307.00				KPK MRS 16.6.7
20	Supply and Fixing Neoprene Bearing Pad as per specs & design	Cu.cm	276,656.00				KPK MRS 16.6.8
21	Providing and Fixing Expansion joint with two Extruded Aluminum Alloy Sections for 50 mm Movement of imported approved quality.	LM	44.00				KPK MRS 6.9
22	Boring with temporary casing in gravelly subsoil for 760-1220 mm diameter pile.	LM	484.00				KPK MRS 18.1.4.2.3
23	Pile load test: (Pre high Strain Dynamic load test as per ASTM D 4945-08 including field data analysis results with report etc complete Max Load 1100 tons	Each	3.00				KPK MRS 18.1.4.7
24	Supply and place in position galvanised steel 3" dia drain scuppers in deck slab as per specs/dwg	LM	34.00				KPK MRS 16.7.12
25	Random rubble masonry in foundn. & plinth in cement, sand mortar : Ratio 1:6	CM	789.00				KPK MRS 5.2.2, 8.12
26	Permanent Pile casing (liner 12 mm Thick) for piles	Tons	6.00				NHA CSR Item No. 507
27	Steel wire mesh (9 SWG) for Gabions	Kg	5,030.00				NHA CSR Item No. 507
28	Rockfill in Gabions	CM	503.00				NHA CSR Item No. 407

SR. NO.	Description	Unit	Qty	Unit Rate (Rs)	Amount In Words (PKR)	Amount In Figures (PKR)	Spec No.
29	Sonic Integrity Tests (SIT) on all Piles	Each	16.00				Volume - 2 Tech Specs heading 1.3
TOTAL COST FOR BILL NO. B-4							

BILL OF QUANTITIES
Bill No. B-5 Drainage and Erosion Works

SR. NO.	Description	Unit	Quantity	Unit Rate (Rs)	Amount In Words (PKR)	Amount In Figures (PKR)	Spec No.
1	Grouted Rip Rap, Class A	CM	260.00				KPK MRS 16.7.9
2	Shotcrete (100 mm) thickness, grade B-25 as per specifications	CM	470.00				KPK MRS 6.24
3	Rock SN-Bolts (Grouted Bolts) 25mm dia - 5 m in length including fixing and strengthening etc.	Each	320.00				KPK MRS 16.6.9
4	Supply and installation of Wire mesh 3"x3" spot welded, 8 SWG as per specs for shotcrete reinforcement	SM	210.00				Volume-2 Tech Specs Heading 1.2
TOTAL COST FOR BILL NO. B-5							

BILL OF QUANTITIES**Bill No. B-6.1 Causeways 5M**

Sr. No.	Description	Unit	Qty	Unit Rate (Rs)	Amount In Words (PKR)	Amount In Figures (PKR)	Spec No.
1	Lean concrete for use as thin layer under neath footings with cylinder compressive strength of 1423 psi on 28 days.	CM	8.25				KPK MRS 6.1.3
2	RCC in raft foundation slab, base slab of column & ret. wall etc, (1:1:2) (4000 psi)	CM	11.55				KPK MRS 6.1.3, 6.2, 6.3, 6.19
3	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1:2) (4000 psi)	CM	8.25				KPK MRS 6.1.3, 6.2, 6.3, 6.19
4	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Tonne	0.93				KPK MRS 6.19
5	Providing and Laying stone pithcing/filling, dry hand packed in pitching & aprons.	CM	15.13				KPK MRS 19.2.2, 19.3.2
6	Structural excavation in medium rock material	CM	11.55				KPK MRS 3.9.6, 3.13
7	Compaction of natural ground	SM	27.50				KPK MRS 3.10 , 3.3.3
8	Erection and removal of Form work with Steel Surface Finshing for RCC or Plain Concrete in any shape - Position / Horizontal	SM	25.00				KPK MRS 6.5
9	Erection and removal of Form work with Steel Surface Finshing for RCC or Plain cement Concrete in any shape - Position / Vertical	SM	77.00				KPK MRS 6.5
Total Cost For Bill No. B-6.1							

Bill No. B-7 Stone Masonary Culverts

SR. NO.	Description	Unit	Qty	Unit Rate (Rs)	Amount In Words (PKR)	Amount In Figures (PKR)	Spec No.
1	Structural Excavation In Medium Rock Material	CM	220.00				KPK MRS 3.9.6, 3.13
2	Structural backfill using Common Material available at site.	CM	66.00				KPK MRS 3.9.6
3	Class A1 concrete in reinforcement/non reinforcement concrete structure with minimum cylinder compressive strength 3000 psi on 28 days other than concrete in water and piles with consistency range in slump 25-75 mm with water cement ratio 0.58 Concrete Pads	CM	30.00				KPK MRS 6.1.3, 6.3
4	Class A3 cement concrete for concrete with minimum cylinder compressive strenght 4000 psi on 28 days other than concrete in water and piles with consistency range in slump 100-150 mm with water cement ratio 0.58 Top Slab	CM	120.00				KPK MRS 6.1.3, 6.3
5	Class A3 cement concrete for Piles concrete with minimum cylinder compressive strenght 4000 psi on 28 days other than concrete in water and piles with consistency range in slump 100-150 mm with water cement ratio 0.58 Concrete Class 'A3' NJB	CM	16.00				KPK MRS 6.1.3, 6.3
6	Lean concrete for use as thin layer under neath footings with cylinder compressive strength of 1423 psi on 28 days.	CM	234.00				KPK MRS 6.1.3
7	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60)	Ton	24.00				KPK MRS 6.19
8	Random rubble masonry in foundn. & plinth in cement, sand mortar : Ratio 1:6 "	CM	572.00				KPK MRS 5.2.2, 8.12
9	Providing and Laying grouted stone pitching, in 1:6 c/s mortar Stone pitching/filling on slope or on level	CM	36.57				KPK MRS 19.2.2, 19.3.2
TOTAL COST FOR BILL NO. B-7							

BILL OF QUANTITIES

Daywork Schedule

C. Daywork

General

1. Reference is made to Sub-Clause 13.5 of the General Conditions of Contract. Work shall not be executed on a Daywork basis except by written order of the Engineer. Bidders shall enter basic rates for Daywork items in the Schedules, which rates shall apply to any quantity of Daywork ordered by the Engineer. Nominal quantities have been indicated against each item of Daywork, and the extended total for Daywork shall be carried forward to the Bid Price.

Daywork Labour

2. In calculating payments due to the Contractor for the execution of Daywork, the actual time of classes of labour directly doing the Daywork ordered by the Engineer and for which they are competent to perform will be measured excluding meal breaks and rest periods. The time of gangers (charge hands) actually doing work with the gang will also be measured but not the time of foreman or other supervisory personnel.
3. The Contractor shall be entitled to payment in respect of the total time that labour is employed on Daywork, calculated at the basic rates entered by him in the Schedule of Daywork Rates for labour together with an additional percentage, payment on basic rates representing the Contractor's profit, overheads, etc., as described below:
 - a. The basic rates for labour shall cover all direct costs to the Contractor, including (but not limited to) the amount of wages paid to such labour, transportation time, overtime, subsistence allowances and any sums paid to or on behalf of such labour for social benefits in accordance with Pakistan law. The basic rates will be payable in local currency only; and
 - b. The additional percentage payment to be quoted by the Bidder and applied to costs incurred under (a) above shall be deemed to cover the Contractor's profit, overheads, superintendence, liabilities and insurances and allowances to labour time keeping and clerical and office work; the use of consumable stores, water, lighting and power; the use and repair of staging, scaffolding, workshops and stores, portable power tools, manual plant and tools; supervision by the Contractor's staff, foremen and other supervisory personnel; and charges incidental to the foregoing.

BILL OF QUANTITIES

Daywork Schedule

I. Labour

Sr. No.	DESCRIPTION	Unit	QTY	Unit Rate	Amount In Words (PKR)	Amount In Figures (PKR)
Schedule of Daywork Rates: 1. Labour						
1	Foreman	Hour	100			
2	Skilled Labour	Hour	125			
3	Unskilled Labour	Hour	150			
5	Mason	Hour	50			
6	Carpenter (1st class)	Hour	50			
7	Steel Fixer/ Fitter	Hour	50			
8	Driver for Vehicle (upto 10 ton)	Hour	75			
9	Welder (Grade-1)	Hour	75			
10	Plumber	Hour	125			
	Total-Schedule of Daywork Rates: I. Labour					
Allow_percent of subtotal for Contractor’s overhead, profit, etc, in accordance with Paragraph 3(b) of Daywork Schedule _____						
Total for Daywork: Labour: _____ (Carried forward to Daywork Summary)						

[Note:

1. The above description of items and their quantities are indicative only; the Employer shall fill the type of Labour and quantities thereof, estimated to be utilized under Daywork.
2. The Bidders are required to fill the rest of the columns, Sub Total and percentage of overhead, profit, etc.]

BILL OF QUANTITIES

Daywork Schedule

Daywork Material

4. The Contractor shall be entitled to payment in respect of materials used for Daywork (except for materials for which the cost is included in the percentage addition to labour costs as detailed heretofore), at the basic rates entered by him in the Schedule of Daywork Rates for materials together with an additional percentage payment on the basic rates to cover overhead charges and profit, as follows:
 - a) The basic rates for materials shall be calculated on the basis of the invoiced price, freight, insurance, handling expenses, damage, losses, etc., and shall provide for delivery to store for stockpiling at the site. The basic rates shall be stated in local currency but payment will be made in the currency or currencies expended upon presentation of supporting documentation;
 - b) The additional percentage payment shall be quoted by the Bidder and applied to the equivalent local currency payments made under Sub-Para(a) above; and
 - c) The cost of hauling materials used on work ordered to be carried out as Daywork from the store or stockpile on the site to the place where it is to be used will be paid in accordance with the terms for Labour and Constructional Plant in this Schedule.

BILL OF QUANTITIES

Daywork Schedule

II. Material

Sr. No.	DESCRIPTION	Unit	QTY	Unit Rate	Amount In Words (PKR)	Amount In Figures (PKR)
Schedule of Daywork Rates: 2. Materials						
1	Cement, Ordinary Portland or Equivalent in Bags	KG	2500			
2	Mild Steel Reinforcing Bar upto 16mm diameter Grade 60	KG	1000			
3	Fine Aggregate	Cu.m	75			
4	Coarse Aggregates	Cu.m	125			
Total - Schedule of Daywork Rates: II. Materials						
Allow __percent of subtotal for Contractor's overhead, profit, etc, in accordance with Paragraph 4(b) of Daywork Schedule _____						
Total for Daywork: Material: __ (Carried forward to Daywork Summary)						

[Note:

1. The above description of items and their quantities are indicative only; the Employer shall fill the type of Material and quantities thereof, estimated to be utilized under Daywork.
2. The Bidders are required to fill the rest of the columns, Sub Total and percentage of overhead, profit, etc.]

BILL OF QUANTITIES

Daywork Schedule

Daywork for Constructional Plant

5. The Contractor shall be entitled to payments in respect of constructional plant already on Site and employed on Daywork at the basic rental rates entered by him in the Schedule of Daywork Rates for constructional plant. The said rates shall be deemed to include complete allowance for depreciation, interest, indemnity and insurance, repairs, maintenance, supplies, fuel, lubricants, and other consumables, and all overhead, profit and administrative costs related to the use of such equipment. The cost of drivers, operators and assistants will be paid for separately as described under the section on Daywork Labour.
6. In calculating the payment due to the Contractor for constructional plant employed on Daywork, only the actual number of working hours will be eligible for payment, except that where applicable and agreed with the Engineer, the travelling time from the part of the Site where the constructional plant was located when ordered by the Engineer to be employed on Daywork and the time for return journey thereto shall be included for payment.
7. The basic rental rates for constructional plant employed on Daywork shall be stated in Pak Rupees (PKR).

BILL OF QUANTITIES

Daywork Schedule

III. Contractor's Equipment

Sr. No.	DESCRIPTION	Unit	QTY	Unit Rate	Amount In Words (PKR)	Amount In Figures (PKR)
Schedule of Daywork Rates: 3. Contractor's Equipment						
1	Tractor 50HP capacity	Hour	30			
2	Compressor 10 m ³ / min	Hour	30			
3	Tractor and Trolley with Jack Capacity 7m ³	Hour	50			
4	Dumper (10 Ton Capacity)	Hour	50			
5	Water Tanker trolley 500 gallon with farm tractor	Hour	50			
6	Drum Type Concrete Mixer 0.25 m ³	Hour	125			
7	Hand Held Jack Hammer	Hour	100			
8	Excavator (EX 200)	Hour	125			
Total - Schedule of Daywork Rates: III. Contractor's Equipment						
Total Day work						
Total for Daywork: Constructional Plant: (Carried forward to Daywork Summary)						

[Note:

1. The above description of items and their quantities are indicative only; the Employer shall fill the type of Plant and quantities thereof, estimated to be utilized under daywork.
2. The Bidders are required to fill the rest of the columns and Sub Total.]

BILL OF QUANTITIES**Daywork Schedule****Summary**

Sr. No	Daywork	Amount (PKR)
I.	Labour	
II.	Materials	
III.	Contractor's Equipment	
Total for Daywork (Bill-C) (Carried forward to Summary Page of Bill of Quantities)		

BILL OF QUANTITIES

Summary

Item No.	Description	Amount in Words	Amount in Figures
		(PKR)	(PKR)
1	Bill A) General Items		
2	Bill B) Road Works		
3	Bill C): Daywork Summary		
Total of Bills (1+2+3)			
Bid Price (Carried forward to Letter of Bid)			
Bid Price without Specified Provisional Sum			

Note: All Provisional Sums are to be expended in whole or, in part at the direction and discretion of the Engineer in accordance with Sub-Clauses 13.4 of the General Conditions except with respect to DAAB fees and the expenses in accordance with GC Clause 21.

**C-1
Schedule-C to Bid****CONSTRUCTION SCHEDULE**

Pursuant to Sub-Clause 8.3 of the General Conditions, the whole of the Works, and each Section (if any), shall be completed within the Time for Completion for the Works or Section (as the case may be) stated as hereunder and mentioned in Contract Data:

Description	Time for Completion (days)
a) Whole Works	450 Days

[The Bidder shall provide, the Construction Schedule in the bar chart (CPM, PERT or any other to be specified herein) showing the sequence of work items and the period of time during which he proposes to complete each work item in such a manner that his proposed programme for completion of the whole of the Works and Sections of the Works may meet Employer's completion targets in days noted above and counted from the Commencement Date (Attach sheets as required for the specified form of Construction Schedule)]

**D-1
Schedule-D to Bid****METHOD OF PERFORMING THE WORK**

[The Bidder is required to submit a narrative outlining the method of performing the Work. The narrative should indicate in detail and include but not be limited to:

1. **Organization Chart:**

Shall indicate head office and field office personnel involved in management and supervision, engineering, equipment maintenance and purchasing.

2. **Mobilization:**

In Pakistan, the type of facilities including personnel accommodation, office accommodation, provision for maintenance and for storage, communications, security and other services to be used.

3. **Method of executing the Works:**

The procedures for installation of equipment and machinery and transportation of equipment and materials to the site.]

E-1
Schedule-E to Bid

LIST OF MAJOR EQUIPMENT

Owned, Purchased or Leased

Owned Purchased or Leased	Description of Unit (Make, Model, Year)	Capacity HP Rating	Condition	Present Location or Source	Date of Delivery at Site	Period of Work on Project
1	2	3	4	5	6	7
a. Owned						
b. To be Purchased						
c. To be arranged on Lease						

E-2
Schedule-E to Bid

LIST OF MAJOR EQUIPMENT

Equipment details

Item of equipment		
Equipment information	Name of manufacturer	Model and power rating
	Capacity	Year of manufacture
Current status	Current location	
	Details of current commitments	
Source	Indicate source of the equipment ☐ Owned ☐ Rented ☐ Leased ☐ Specially manufactured	
The following information shall not be applicable for equipment owned by the Bidder		
Owner	Name of owner	
	Address of owner	
	Telephone	Contact name and title
	Fax	Telex
Agreements	Details of rental / lease / manufacture agreements specific to the project	

[This Table shall be used for each item of Equipment separately]

F-1
Schedule-F to Bid

**ORGANIZATION CHART
FOR THE
SUPERVISORY STAFF AND LABOUR**

**G-1
Schedule-G to Bid****LIST OF SUBCONTRACTORS**

I/ We intend to subcontract the following parts of the Work to subcontractors. In my/ our opinion, the subcontractors named hereunder are reliable and competent to perform that part of the work for which each is listed.

Enclosed are documentation outlining experience of subcontractors, the curriculum vitae and experience of their key personnel who will be assigned to the Contract, equipment to be supplied by them, size, location and type of contracts carried out in the past.

Contractor's proposed subcontracting: Maximum percentage of subcontracting permitted is: 20 % of the total contract amount.

Part of Works (Give Details)	Subcontractor (With Complete Address)
1	2

H-1
Schedule-H to Bid

ESTIMATED PROGRESS PAYMENTS

Bidder's estimate of the value of work which would be executed by him during each of the periods stated below, based on his Programme of the Works and the Rates in the Bill of Quantities, expressed in thousands of PKR:

Quarter	Amounts (1,000 PKR)
1	2
1 st	
2 nd	
3 rd	
4 th	
5 th	
Bid Price	

I-1
Schedule-I to Bid

CONSTRUCTION CAMP AND HOUSING FACILITIES

[The Bidder in accordance with Clause 6 of the Conditions of Contract shall provide description of his construction camp's facilities and staff housing requirements.

The Bidder shall list or explain his plans for providing these facilities for the service of the Contract as follows:

- 1. Site Preparation (clearing, land preparation, etc.).*
- 2. Provision of Services.*
 - a) Electrical power (expected power load, etc.).*
 - b) Water (required amount and system proposed).*
 - c) Sanitation (sewage disposal system, etc.)*
- 3. Construction of Facilities*
 - a) Contractor's Office, Workshop and Work Areas (areas required and proposed layout, type of construction of buildings, etc.).*
 - b) Warehouses and Storage Areas (area required, type of construction and layout).*
 - c) Housing and Staff Facilities (Plans for housing for proposed staff, layout, type of construction, etc.).*
- 4. Construction Equipment Assembly and Preparation (detailed plans for carrying out this activity).*
- 5. Other Items Proposed (Security services, etc.)]*

Note:

The Contractor shall be responsible for pumps, electrical power, water and electrical distribution systems, and sewerage system including all fittings, pipes and other items necessary for servicing the Contractor's construction camp.

J-1
Schedule-J to Bid

INTEGRITY PACT
DECLARATION OF FEES, COMMISSION AND BROKERAGE, ETC.
PAYABLE BY THE BIDDERS/CONTRACTORS OF GOODS, SERVICES & WORKS IN
CONTRACTS WORTH PAK. RS. 10.00 MILLION OR MORE

Contract No. _____

Dated _____

Contract Value: _____

Contract Title: _____

..... [Name of Bidder/Contractor] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan (GoP) or any administrative subdivision or agency thereof or any other entity owned or controlled by GoP through any corrupt business practice.

Without limiting the generality of the foregoing, [Name of Bidder/ Contractor] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[Name of Bidder/Contractor] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[Name of Bidder/Contractor] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [name of Bidder/Contractor] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Bidder/Contractor] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

Name of Employer:

Signature:

[Seal]

Name of Bidder/Contractor:

Signature:

[Seal]

Declaration of Ultimate Beneficial Owners Information for Public Procurement Contracts

1. Name:
2. Father's Name/Spouse's Name:
3. CNIC/NICOP/Passport no.:
4. Nationality:
5. Residential address:
6. Email address:
7. Date on which shareholding, control or interest acquired in the business:
8. In case of indirect shareholding, control or interest being exercised through intermediary companies, entities or other legal persons or legal arrangements in the chain of ownership or control, following additional particulars to be provided:

1	2	3	4	5	6	7	8	9	10
Name	Legal form (Company/Limited Liability Partnership/Association of Persons/Single Member Company/Company/Partnership Firm/Trust/Any other individual, body corporate (to be specified))	Date of incorporation / Registration	Name of Registering Authority	Business Address	Country	Email Address	Percentage of shareholding, control or interest of BO in the legal person or legal arrangement	Percentage of shareholding, control or interest of legal person or legal arrangement in the Company	Identity of Natural Person who ultimately owns or controls the legal person or arrangement

K-2
Schedule-K to Bid

9. Information about Board of Directors (details shall be provided regarding number of shares in the capital of the company as set opposite respective names)

1	2	3	4	5	6	7	8
Name and surname (In Block Letters)	CNIC No. (in case of foreigner, Passport No)	Father' s / Husband' s Name in Full	Current Nationality	Any other Nationality(ies)	Occupation	Residential address in full or the registered / principal office address for a subscriber other than natural person	Number of shares taken by each subscriber (in figures and words)
			Total Number of Shares taken (in figure and words)				

10. Any other information incidental to or relevant to Beneficial Owner(s).

Name & Signature
(Person authorized to issue notice on behalf of the company)