

Construction of New Air traffic Control Tower (ATCT), Fire Station and Allied Facilities at Skardu International Airport, Skardu

Bill of Quantities

Preamble

Employer: Pakistan Airports Authority (PAA)

Schedule – B to the Bid

A. Preamble

- 1.The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, General and Particular Conditions of Contract, Technical 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 ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices bid in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract.
- 3.The rates and prices bid in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the Contract, include all Constructional Plant, labour, supervision, materials, erection, maintenance, insurance, profit, taxes, and duties, together with all general risks, liabilities, and obligations set out or implied in the Contract.
- 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 has 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 Work.
- 6.General directions and descriptions of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. References to the relevant sections of the Contract documentation shall be made before entering prices against each item in the priced 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-Clauses 13.4 and 13.5 of the General Conditions.
- 8.Unless otherwise expressly provided in the Contract, the method of measurement for determining the quantities of completed work for payment shall be based on the actual quantities of work executed, measured at the Site by the Engineer in accordance with the Contract, the approved Drawings, and the Technical Specifications. Where the Technical Specifications prescribe a specific method of measurement, such method shall prevail. In the absence of a specified method, measurement shall be carried out in accordance with Good Industry Practice and the Engineer's reasonable instructions.

B. Work Items

- 1.The Bill of Quantities usually contains the following part Bills, which have been grouped according to the nature or timing of the work:

Volume-III – Bill of Quantities;

Bill No. 1Preliminaries and General Items

Bill No. 2Civil Works – Substructure & Superstructure

Bill No. 3Architectural & Finishing Works

Bill No. 4 Roads and Pavement Works
Bill No. 5 Electrical Works
Bill No. 6 Mechanical / HVAC Works
Bill No. 7 Plumbing & Fire Fighting Works
Bill No. 8 ATC Equipment
Daywork Schedule; and
Summary Bill of Quantities.

2. If ITB 16.1 applies, Bidders shall price the Bill of Quantities in the applicable currency or currencies (Local or foreign as the case may be).

Schedule – B to the Bid
Daywork Schedule
General

1. Reference should be made to Sub-Clause 13.5 of the General Conditions. 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 as a Provisional Sum to the Summary Total Bid Amount. Unless otherwise adjusted, payments for daywork shall be subject to price adjustment in accordance with the provisions in the Conditions of Contract.

Daywork Labour

2. In calculating payments due to the Contractor for the execution of daywork, the hours for labour will be reckoned from the time of arrival of the labour at the job site to execute the particular item of daywork to the time of return to the original place of departure, but excluding meal breaks and rest periods. Only the time of classes of labour directly doing work ordered by the Engineer and for which they are competent to perform will be measured. The time of gangers (charge hands) actually doing work with the gangs will also be measured but not the time of foremen 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 the Contractor in the Schedule of Daywork Rates: 1. 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 law of the land. The basic rates will be payable in PKR only.

(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, timekeeping, and clerical and office work, the use of consumable stores, water, lighting, and power; the use and repair of stagings, 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. Payments under this item shall be made in the Pakistani Rupee:

Daywork Materials

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 the Contractor in the Schedule of Daywork Rates: 2. 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 quoted in the currency specified in the BDS.

(b) the additional percentage payment shall also be made in the currency specified in BDS:

(c) the cost of hauling materials for use 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 Construction in this schedule.

Daywork Contractor's Equipment

5. The Contractor shall be entitled to payments in respect of Contractor's Equipment already on Site and employed on daywork at the basic rental rates entered by the Contractor in the Schedule of Daywork Rates, Contractor's Equipment. Said rates shall be deemed to include due and 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.

6. In calculating the payment due to the Contractor for Contractor's Equipment 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 Contractor's Equipment was located when ordered by the Engineer to be employed on daywork and the time for return journey thereto shall be included for payment.

(a) The basic rental rates for Contractor's Equipment employed on daywork shall be stated in the currency specified in the BDS and the payment to the Contractor will be made in the currency specified in BDS.

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Bill of Quantities

Grand Summary (Summary of Cost)

Employer: Pakistan Airports Authority (PAA)

Bill No.	Description	Ref	Amount (PKR)
Bill No. 1	Preliminaries and General Items		0.00
Bill No. 2	Civil Works - Substructure & Superstructure		0.00
Bill No. 3	Architectural & Finishing Works		0.00
Bill No. 4	Roads and Pavement Works		0.00
Bill No. 5	Electrical Works		0.00
Bill No. 6	Mechanical / HVAC Works		0.00
Bill No. 7	Plumbing & Fire Fighting Works		0.00
Bill No. 8	ATC Equipment		0.00
	Subtotal of Bills	(A)	0.00
	Total for Daywork (Provisional Sum)	(B)	0.00
	Total (A + B)	(C)	0.00
	Provisional Sum: Utility charges for Electric Load Sanction from WAPDA (Employer-fixed)	(D)	50,000,000.00
	Total Estimated Base Cost (C + D)	(E)	0.00

Bid Price (C) in Words:

Pakistani Rupees (PKR)

Notes:

- All amounts stated in this Grand Summary shall be in Pakistani Rupees (PKR) and shall be inclusive of all applicable taxes, duties, levies, and other charges payable by the Contractor, unless otherwise stated in the Contract Data.
- Bill Nos. 1–8 correspond to the individual Bills forming the Priced Bill of Quantities, Volume-III of the Bidding Documents. The Bidder shall insert against each Bill the page number on which that Bill appears in its priced submission, and the total amount carried from that Bill.
- Item (B) – Total for Daywork – is the sum of the Totals carried forward from the Schedule of Daywork Rates: 1. Labour, 2. Materials, and 3. Contractor's Equipment. It constitutes a Provisional Sum under Sub-Clause 13.4 [Provisional Sums] of the Conditions of Contract, to be expended only as, and to the extent, instructed by the Engineer, and does not represent work to be carried out by the Contractor as of right.
- Item (D) – Provisional Sum for Contingency Allowance – is fixed by the Employer in the Bidding Documents and pre-inserted in the Priced Bill of Quantities issued to Bidders; Bidders shall not alter this figure. It is a Provisional Sum under Sub-Clause 13.4, to be expended, wholly or in part, only upon the Engineer's instruction. This Provisional Sum does not form part of the Bid Price at (C) and shall not be taken into account for bid evaluation or bid comparison purposes; it is reflected only in the indicative Total Estimated Contract Value at (E). This provisional sum shall be used for load sanctioning and Deposit Work to be carried out by WAPDA on demand note as per procedure followed by DISCOs in accordance with NEPRA regulations and other emergent nature of work approved by the Employer.
- Item (E) – Indicative Total Estimated Contract Value – is provided for the Employer's internal budgetary reference only, obtained by adding the fixed Provisional Sum at (D) to the Bid Price at (C). It does not form part of, and shall not be substituted for, the Bidder's evaluated Bid Price, and need not be completed by the Bidder.

6. Both the figures and the words for the Bid Price (C) must be completed by the Bidder. In the event of a discrepancy between the amount in figures and the amount in words, the amount in words shall govern, subject to the arithmetical-error correction procedure set out in the Instructions to Bidders (ITB).

7. In the event of any discrepancy between this Grand Summary, the sum of the amounts stated in the individual Bills, the Priced Bill of Quantities, or the Bid Price stated in the Letter of Bid, the correction procedure and order of precedence set out in the ITB shall apply, and the unit rates quoted in the Priced Bill of Quantities shall prevail over extended or summarized amounts.

8. This Grand Summary shall be signed and submitted together with the Letter of Bid, the Priced Bill of Quantities, and all completed Schedules to Bid, as part of the Bidder's Bid.

We confirm that the Bid Price stated above has been correctly derived from, and is fully consistent with, the rates and prices quoted in the Priced Bill of Quantities forming part of this Bid.

Signature: _____ Date: _____

Name: _____ Designation: _____

For and on behalf of (Bidder's Name): _____

CNIC / Passport No.: _____ (Company Seal /

Stamp): _____