

BILL OF QUANTITIES

Preamble

1. The bill of Quantities shall be read in conjunction with the Instructions to Bidder, 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 tendered 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 tendered in the priced Bill of Quantities shall, except in so far as it is otherwise provided under the Contract, include all constructional plant, layout, 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. The rates and prices shall be quoted entirely in Indian Currency.
5. A rate or prices shall be entered against each item in the Bill Quantities, whether quantities are stated or not. The cost of Items against which 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 (in case of Item rate contract).
6. 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.
7. General direction and descriptions of work and materials are not necessarily repeated or summarized in the Bill of Quantities. References to the relevant sections of the contract documentation shall be made before entering rates or prices against each item in the Bill of Quantities.
8. The method of completed work of payment shall be in accordance with the specification for Road and Bridge works. For building works specifications for building are to be followed.
9. Errors will be corrected by the Employer for any arithmetic errors pursuant to **Clause 29** of the Instructions to Bidder.
10. Rock is defined as all materials which, in the opinion of the Engineer, required blasting, or the use of metal wedges and sledgehammers, or the use of compressed air drilling for its removal, and which cannot be extracted by ripping with a tractor of at least 150 kw with a single rear mounted heavy duty ripper.

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(A) Percentage Rate Tender (Up to INR 50 Cr.)

Name of work:- Repairing of lining of Manpura Sub Branch Canal of Radhanpur Branch Canal. (MSBC ch.00 to 5400 m)(Package-1)					
ABSTRACT					
Item No	Qty.	Description of Item	Unit	Rate in Rs.	Amount in Rs.
1	418.50	Dismantling the existing foundation concrete including sorting out the dismantled stuff and stacking the useful material, removing the debris and making good the damages etc. complete as and where directed. Cement Concrete	cum	1155.20	4,83,451.20
2	1000.00	Dewatering the foundation trenches during excavation, laying foundation concrete, masonry etc. till completion and diversion of surface and subsurface water etc. complete as directed.	Hp/Hr	52.50	52,500.00
3	4725.90	De-silting of canal/drain with lead up to 50 meter and lift up to 3.0 including dewatering if any required for following depth etc. complete as directed Slushy & Muddy Condition of Canal/Drain (C) For canals 20 to 250 cusecs (0.56 to 7.00 cumecs)	cum	358.80	16,95,652.92
4	18155.40	Dismantling the C.C. lining including including disposing off the dismantled materials as directed etc. complete. (a) 7.50 cm thick	sqmt	86.50	15,70,442.10
5	516.00	Providing and laying vertical non metallic pressure release valves including excavation of pits and refilling the same with filter materials as per design and drawing at required intervals etc. complete as directed. (b) 150 mm dia	No.	1274.30	6,57,538.80

6	18155.40	Trimming of the canal section manually for preparing subgrade for laying cement concrete lining in all sorts of soil and murrum including watering and compacting bed etc. complete.	sqmt	72.80	13,21,713.12
7	23967.90	Providing and Fixing MS Welded Wire Mesh of size 150mmx150mmx3.8mm dia including cutting in required size, fixing in canal prism including cover block & binding wire etc complete as directed.	sqmt	136.00	32,59,634.40
8	31530.40	Providing and laying plain/reinforced cement concrete lining of M 15 (MSA 20 mm) in bed, side slopes and curvature including batching, mixing, transporting, placing, vibrating, smooth finishing, curing including dewatering where required. (MACHINERY BASED by "BATCH MIX PLANT & TRANSIT MIXER" - WITHOUT PAVER WATER CURING) (b) 10 cm thick lining in bed/slope	sqmt	472.80	1,49,07,573.12
9	418.50	Providing and laying CC 1:2:4 grade using cement, sand & crushed metal including providing & erecting necessary form work, centering, vibrating, smooth finishing, watering & curing as directed with all leads & lifts etc. complete. (b) Superstructure	cum	5053.10	21,14,722.35
10	10360.58	Box cutting the road surface to proper slope and camber for making a base for road work including removing the excavated stuff and depositing on the road side slope as directed up to 50Mt.lead.	cum	108.00	11,18,942.64
Total Rs.					2,71,82,170.65

Note :

/We am/are willing to carry out the work at..... % above/below percent(Should be written in figures and words) of the estimated rate mentioned above. Amount of my /our tender works out as under.

Estimated amount put to tender

Deduct.....% below

Net

In words

Estimated amount put to tender

Add.....% Above

Net

In words

