**BILL OF QUANTITIES**

NAME OF WORK:- **Providing Laying Jointing and testing PVC Pipe 4” dia & 3” dia for Distribution system for Rural Water Supply Scheme Muhammad Khan Shoro (Daboo) Taluka Kotri District Jamshoro**.

(A) Description and rate of item based on Composite schedule of Rates

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| --- | --- | --- | --- | --- | --- |
| **Item No:** | **Quantity** | **Description of Item to be executed at site** | **Rate** | **Unit** | **Amount** |
| **01** | **02** | **03** | **04** | **05** | **06** |
| 01 | 3000.00 Cft | Dismantling and removing road metalling  (G.S.I.NO; 51,P/14) | 605/00 | P%Cft | 18,150/00 |
| 02 | 500.00 Cft | Dismantling Cement concrete plain (1:2:4) (G.S.I.NO;19( c)P/11) | 3,327/50 | P%Cft | 16,638/00 |
| 03 | 740.0  Cft | Dismantling cement concrete plain (1:4:8)(G.S.INO;19(a)P/11) | 1,663/75 | P%Cft | 12,312/00 |
| 04 | 4460.00 Cft | Excavation for pipe lines into trenches and pits in Soft soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes & disposal of surplus earth within a one chain as directed by Engineer incharge providing fence guards lights flags temporary crossing for non vehicular traffic where ever required lift upto 5’ft(1.52m) and lead upto one chain (30.5mm) (P.H.S.I.NO; 1, P/60) | 3,600/00 | P%0cft | 16,056/00 |
| 05 | 5800.00 Cft | Excavation for pipe lines into trenches and pits in soft Rock i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer incharge providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift upto 5’ft(1.52m) and lead upto one chain (30.5mm)  (P.H.S.I.NO; 6, P/62) | 10,770/00 | P%0cft | 62,466/00 |
| 06 | 2900.00  Cft | Excavation for pipe lines into trenches and pits in Hard Rock i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer incharge providing fence guards lights flags and temporary crossing for non vehicular traffic where ever required lift upto 5’ft(1.52m) and lead upto one chain (30.5mm) (P.H.S.I.NO; 6, P/62) | 24,150/00 | P%0cft | 70,035/00 |
| 07 |  | Providing PVC pipe of class ‘B’ (equivalent make)fixing in trenches i/c cutting and jointing with “Z” joints with one rubber rings i/c testing with water to head of 61 meter or 200’ft. (P.H.S.I.NO;1,P/21) |  |  |  |
| 1400.00 Rft | 4” dia | 137/00 | P/Rft | 191,800/00 |
| 1500.00 Rft | 3” dia | 90/00 | P/Rft | 135,000/00 |

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| **Item No:** | **Quantity** | **Description of Item to be executed at site** | **Rate** | **Unit** | **Amount** |
| **01** | **02** | **03** | **04** | **05** | **06** |
| 08 |  | P.V.C.’Z’ Jointing  (P.H.S.O.M.I.NO;18, P/112) |  |  |  |
| 03 Nos: | i)PVC Bend 900 4” dia | 956/00 | Each | 2,868/00 |
| 06 Nos: | ii)PVC Bend 900 3” dia | 731/00 | Each | 4,386/00 |
| 05 Nos: | iii)Socket 4” dia | 1,125/00 | Each | 5,625/00 |
| 06 Nos: | iv)Socket 3” dia | 405/00 | Each | 2,430/00 |
| 09 |  | C.I. Sluice valve heavy pattern test pressure 300 lbs/sq: inch  (P.H.S.I.NO;M. 7,P/12) (Imported) |  |  |  |
| 03 Nos: | 4” DIA | 5,460/00 | Each | 16,380/00 |
| 02 Nos: | 3” DIA | 4,290/00 | Each | 17,160/00 |
| 10 |  | C.I. Tail piece for PVC Pipe (P.H.S.(M)I.NO;9, P/16) |  |  |  |
| 06 Nos: | 4” DIA | 487/50 | Each | 2,925/00 |
| 08 Nos: | 3” DIA | 375/00 | Each | 3,000/00 |
| 05 Nos: | C.I. Jibault Joint 4” dia | 731/25 | Each | 3,656/00 |
| 06 Nos: | C.I. Jibault Joint 3” dia | 568/75 | Each | 3,413/00 |
| 11 |  | Making joints to PVC specials fitting (i/c laying of specials and cost solvent joint required diameter and testing the joint alongwith the asbestos cement pressure pipe line to the specified pressure and making good to all leaky joints etc: complete.(P.H.S.I.NO:1, P/56) |  |  |  |
| 08 Nos: | 4” DIA | 70/00 | Each | 560/00 |
| 12 Nos: | 3” DIA | 59/00 | Each | 708/00 |
| 12 |  | Jointing C.I/M.S flanged pipe and specials flanged and inside a trenches i/c supplying rubber packing of the required thickness nuts, bolts with washers etc and other tools required for jointing and testing the joints to the specified pressure etc; complete (PHSI.NO;1, P/40) |  |  |  |
| 04 Joints | 3” dia | 499/00 | P/Joint | 1,996/00 |
| 03 Joints | 4” dia | 513/00 | P/Joint | 1,539/00 |
| 13 | 07 Nos: | Providing chamber 2½”x2½” (750x750mm) inside dimension 4½”(1372 mm) deep as per approved design for sluice valve 3” to 12” dia with 18” (457mm) dia inside cast iron cover and frame (wt= 1 cwt 3 qr) fixed in RCC 1:2:4 (102 mm) thick with 5 lbs steel per cft) 9” (299 mm) thick brick masonry wall set in 1:6 cement mortar 6” (1152mm ) thick cement concrete 1:3:6 in foundation 1” thick cement concrete 1:2:4 flooring ½” (12.5mm)thick cement plaster 1:3 to all inside wall surface and to top i/c providing and fixing M.S foot beyond 2½” depth curing excavation back filling and disposal of surplus earth etc; complete  (P.H.S.I.NO:1, P/40) | 18,820/00 | Each | 131,740/00 |

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| **Item No:** | **Quantity** | **Description of Item to be executed at site** | **Rate** | **Unit** | **Amount** |
| **01** | **02** | **03** | **04** | **05** | **06** |
| 14 | 15660.00  Cft | Refilling the excavated stuff in trenches 6” thick layers i/c watering ramming to full compaction etc: complete  (P.H.S.I.NO;24, P/53) | 2,760/00 | P%0cft | 43,222/00 |
|  |  |  |  | **Total** | **764,065/00** |

**Amount Total (a) + (b) Rs:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

\_\_\_\_\_\_\_\_% above / below on the rates of CSR, Amount to be added / deducted on the basis

Total (b) of premium quoted \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Total (A) = a + b in works & Figures\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Contractor EXECUTIVE ENGINEER**

**PUBLIC HEALTH ENGG: DIVISION**

**JAMSHORO**