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| **BILL OF QUANTITY** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **( B ) DESCRIPTION AND RATE OF ITEMS BASED ON COMPOSITE  SCHEDULE OF RATES** | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| **BORING OF INSTALLING NEW (ADDITIONAL)TUBE WELL CONSTRUCTION OF PUMP HOUSE FOR (O/M) RURAL WATER SUPPLY SCHEME MANIK LAGHARI DISTRICT TANDO MUHAMMAD KHAN.** | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
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| **S. No** | **Description of Item to be executed at Site** | | | | | | | | | | | | | | | | | | **Quantity** | | | | **Rate** | | **Unit** | **Amount** | |  |
|  | **GROUP-A BORING OF TUBE WELL.** | | | | | | | | | | | | | | | | | |  | | | |  |  |  |  |  |  |
| 1 | Boring of tube well in all bearing soils from ground level upto 100 ft 30.5 meter depth i/c sinking and with drawing of casing pipe (P.H.S.I.No. 1 P/41)  **12"dia Bore 0 to 100 ft** | | | | | | | | | | | | | | | | | | 100.00 | | | | @Rs | 743.00 | P:Cft | Rs | 74300 |  |
|  | **12"dia Bore 101 to 200 ft (PHSI.No. 2 P/42)** | | | | | | | | | | | | | | | | | | 150.00 | | | | @Rs | 849.00 | P:Cft | Rs | 12735. |  |
| 2 | Mobilization for tube well construction (M.R) Rate approved by C.E.Office for W/S/S/ManzoorabadDistt:Jamshoro vide NO:DB/2693 DT.31-08-2009 | | | | | | | | | | | | | | | | | | 1.00 | | | | @Rs | 19580.00 | P:Cft | Rs | 1958 |  |
| 3 | Providing strong sustantially built wooden locked box with components for preserving 2 lbs (1kg) sampe of strats (P.H.S.I.No. 5 P/ 36) | | | | | | | | | | | | | | | | | | 2.00 | | | | @Rs | 3530.00 | P:Box | Rs | 7060 |  |
| 4 | Taking & preserving in box 2 lbs (1kg) sample of stratas from bore hole (P.H.S.I.No. 5 P/36) | | | | | | | | | | | | | | | | | | 4.00 | | | | @Rs | 101.00 | Each | Rs | 404 |  |
| 5 | Taking sample of water from bore hole & placing in two saperate bottles (P.H.S.I.No. 7 P/37) | | | | | | | | | | | | | | | | | | 4.00 | | | | @Rs | 131.00 | Each | Rs | 524. |  |
| 6 | Supplying and installing PVC blind pipe B class of approved design quality and make i/c necessary sockets etc complete (P.H.S.I.No. 12 P/37) | | | | | | | | | | | | | | | | | | 90.00 | | | | @Rs | 516.80 | P:Rft | Rs | 46512 |  |
| 7 | Supplying and installing PVC strainer B class of approved design quality and make i/c necessary sockets etc complete (P.H.S.I.No. 9 P/37) | | | | | | | | | | | | | | | | | | 60.00 | | | | @Rs | 554.05 | P:Rft | Rs | 33243 |  |
| 8 | M.S.Ball - plugs if approved quality (5mm thick 2.6"long) (M.S.I.No. 3/b P/28). | | | | | | | | | | | | | | | | | | 1.00 | | | | @Rs | 1025.00 | Each | Rs | 1025 |  |
| 9 | Shrounding with graded bajri (3/8" to 1/8") of (9 to 3mm) in between bore and blind pipe for the following diameters of strainers (P.H.S.I.No. 13 P/ 38) | | | | | | | | | | | | | | | | | | 100.00 | | | | @Rs | 193.00 | P:Rft | Rs | 19300 |  |
| 10 | Supplying and Installing well hand casing and security cap approved rate (R.A.Approved) | | | | | | | | | | | | | | | | | | 1.00 | | | | @Rs | 2700.00 | Each | Rs | 2700 |  |
| 11 | Testing of tube well (R.A.Approved) | | | | | | | | | | | | | | | | | | 24.00 | | | | @Rs | 921.00 | P:Hour | Rs | 22104 |  |
| 12 | Disinfection of well (R.A.Approved) | | | | | | | | | | | | | | | | | | 1.00 | | | | @Rs | 500.00 | Each | Rs | 500 |  |
| 13 | Construction of concrete class B plinth arround well head casing (R.A.Approved) | | | | | | | | | | | | | | | | | | 1.00 | | | | @Rs | 1398.00 | Each | Rs | 1398 |  |
|  | **TOTAL-A** | | | | | | | | | | | | | | | | | |  | | | |  |  |  | **Rs** | **356000** |  |

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|  | **GROUP-B TEST BORE 5" DIA (1 NO)** |  |  |  |  |  |  |
| 1 | Boring of tube well in all bearing soils from ground level upto 100 ft 30.5 meter depth i/c sinking and with drawing of casing pipe (P.H.S.I.No. 1 P/41)  **5"dia Bore 0 to 100 ft** | 100.00 | @Rs | 302.00 | P:Rft | Rs | 30200 |
| 2 | Providing strong sustantially built wooden locked box with components for preserving 2 lbs (1kg) sampe of strats (P.H.S.I.No. 5 P/ 36) | 1.00 | @Rs | 3530.00 | P:Box | Rs | 3530 |
| 3 | Taking & preserving in box 2 lbs (1kg) sample of stratas from bore hole (P.H.S.I.No. 5 P/43) | 4.00 | @Rs | 101.00 | Each | Rs | 404 |
| 4 | Taking sample of water from bore hole & placing in two saperate bottles (P.H.S.I.No. 7 P/43) | 4.00 | @Rs | 131.00 | Each | Rs | 524 |
|  | **TOTAL-B** |  |  |  |  | **Rs** | **34658** |

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|  | **GROUP © PUMP HOUSE(12’X10’)** |  |  |  |  |
| **1.** | Excavation in foundation of building bridges & other structure including deg belling dressing refilling around structure with excavated earth watering & ramming lead upto 5 ft: (in ordinary soil ) (GSI.NO; 18(b) P/04). | 235,00  Cft: | Rs:-3176/25 | P:%oCft: | **Rs:- 746/-** |
| **2.** | Cement concrete brick or stone ballast 1 ½” to 2 gauge (GSI.NO:4 (b) P/15)  ( 1:4:8). | 101.625  Cft: | Rs:-9416/28 | P:%Cft: | **Rs:- 4,425/-** |
| **3.** | Erection & Removal of centering for RCC or plain cement concrete work of deodar wood (second class) (GSI NO:19 P/18). | 282Sft | Rs:-7000.00 | P:%Sft: | **Rs:- 19740/-** |
| **4.** | Cement concrete plain i/c placing compacting, finishing and curing (i/c careening washing of stone aggregate without shuttering 1:3:6 (GSI.NO:5 (f) P/16) | 176.25  Cft: | Rs:-12595.00 | P:%Cft: | **Rs:- 22199/-** |
| **5.** | Pucca brick work in ground floor in i/c striking in cement sand mortor ratio (1:6) (GSI.NO; 5 P/28). | 299.00  Cft: | Rs:-12674/36 | P:%Cft: | **Rs:- 37,833/-** |
| **6.** | RCC work i/c all labour& material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also i/c all kinds of forms would lifting shuttering i/c screening and washing of single (a) RC work in roof slab beams columns rats lintels and other, structure members laid in site in all respect ratio (1:2:4) (GSI.NO; 6 P/18). | 110.00  Cft: | Rs:-337/- | P:Cft: | **Rs:- 36,991/-** |
| **7.** | Fabrication of mild steel reinforcement for cement concrete i/c cutting bending laying in position making joints and fastening i/c cost of binding wire (also includes removal rust from bars) (GSI.NO; 7(ii) P/17). | 4.41  Cwt: | Rs:-5001/70 | P:Cwt: | **Rs:- 22059/-** |
| **8.** | Filling watering and ramming earth under of floor with surplus earth from out side lead upto one chain and lift upto 5ft: (GSI.NO: 22 P/5). | 109  Cft: | Rs:-3630/00 | P:%oCft: | **Rs:- 397/-** |
| **9.** | Making and fixing steel grated door with 1/16”thick sheeting i/c angle iron frame 2x2x3/8” and ¾” sq has 4” center to center with locking arrangement (GSI.NO: 27 P/98). | 22.75  Sft: | Rs:-726/72 | P:Sft: | **Rs:- 16,533/-** |
| **10.** | Cement plaster 1:4 upto 20’ height thick (GSIT No.1 (b) P/53). | 942Sft | Rs:416.63 | P:Sft: | **Rs:- 3825/-** |
| **11.** | Providing 3” thick topping cement concrete 1:2:4 i/c surfaces finishing and dividing into panel (GSI.NO: 16 P/47). | 120.00  Sft: | Rs:-4411/82 | P:%sft: | **Rs:- 5294/-** |
| **12.** | White washing 3coats (GSI.NO; 26 (a) P/59). | 204.00  Sft: | Rs:-829/95 | P:%Sft: | **Rs:- 1,693/-** |
| **13.** | White washing 2coats (GSI.NO; 26 (a) P/59). | 918.00  Sft: | Rs:-416/63 | P:%Sft: | **Rs:- 3825/-** |
| **14.** | Color washing two coats (GSI.NO;25 (b) P/55). | 918.00  Sft: | Rs:-1043/90 | P:%Sft: | **Rs:- 9583/-** |
| **15.** | Supplying and fixing in position iron steel grill of ¾”x1/4” size rion of approved design including painting 3 cost etc complete (weight not to ber less than 3.7 lbs /sq: feet of finished grill) (GSI.NO;30 P/98). | 30.00  Sft: | Rs:-180/50 | P:Sft: | **Rs:- 5,415/-** |
| **16.** | Supplying and fixing windows of Z-section ¾” x ¾” partly fixed and partly operable glazing with 24 or ½ glass fitting and painting 3 coats etc complete (R.A.A) by SE Circle No.III Hyd Vide No.483 dated:31-3-1995 | 30.00  Sft: | Rs:-90/15 | P:Sft: | **Rs:- 2705/-** |
| **17.** | PAINTING NEW SURFACE  Preparation face and painting of doors & windows any type (i/c edges) two subsequent cost over primary coat three coats. | 46.00  Sft: | Rs:-1489/68 | P:Sft: | **Rs:- 678/-** |
|  | **TOTAL RS**: | | | | **223660/-** |

**TERMS AND CONDITIONS**

1. The rates should be inclusive of all taxes i,e sale tax,octori,royalities etc if any.
2. No separate carriage will be allowed to the Firm/Contractor.
3. No premium will be allowed on Non schedule items.
4. The testing of work will be arranged by the Firm/Contractor at his own cost. No separate payment will be made.
5. Sweet water will be used in construction work.
6. Any error or omission in the specification item will be governed by the relevant specification & schedule of rates.

CONTRACTOR/FIRM EXECUTIVE ENGINEER

PUBLIC HEALTH ENGG. DIVISION,

TANDO MUHAMMAD KHAN.