**SCHEDULE ‘B’**

**Name of Work:- PROVIDING LAYING JOINTING AND TESTING FOR F.C**

**RISING MAIN 10” DIA FOR DISPOSAL WORK TANO MASOO**

**ZONE FOR UBAN DRAINAGE SCHEME GHOTKI MEGA**

**PROJECT.**

**.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Item of work** | **Qty** | **Rate** | **Unit** | **Amount.** |
| 1 | Excavation for pipe line in trenches and pits in soft soil i/c trimming and drsssing sides to true alignment and shape leelling of beds to correct level and grade cutting joint holes and d isposal of surplus earth within one chain as directed by Engineer incharge providing fence guard light flag and temporary crossing for non vehicular vehicular traffic where ever required lift upto 5 ft (1.52 m) and lead upt one chain \*30.5m) (PHSINO. 1 P. 46). | 16875 | 3600/00 | %ocft | 60750/00 |
| 2 | Providing laying jointing aFC pressure pipe of class B and fiing in trenches i/c cutting fitting jointing with Z joint with oneo rubber ring i/c testing with water t a head of 6iom or 200 ft (PHSINO. 1 PNo. 22 (RA approved). | 2250 | 1311/37 | P.rft. | 2950560/00 |
| 3 | **C.I. Special.** |  |  |  |  |
| a). | Fc cement joint B class CSI NO. 4 P.No. 90 | 02 | 446/00 | Each | 892/00 |
| b) | One pair of rubber ring for FC pressure pipe B class ( Cement joint SMINO> 7 P.no. 90). | 02 | 196/00 | Each | 392/00 |
| 6 | Cost iron specials. |  |  |  |  |
| a | C.I.Jibault joint smino. 14 p.no. 16 | 02 | 2356/25 | Each | 4712/00 |
| b | C.I. short piece smi No. 9 P.no. 101 | 02 | 2212/50 | Each | 4425/00 |
| c | C.I. Bend 90/0 | 02 | 6662/50 | Each | 13325/00 |
| d | C.I. Bend 45/o | 01 | 5037/00 | Each | 5037/00 |
| e | Fire Hydrant tee (SMINO.2 P.No. 99 | 02 | 3250/00 | Each | 6500/00 |
| f | Air valve double acting 3x1” (SMINO. 10 P.no. 15). | 02 | 6000/00 | Each` | 12000/00 |
| 05 | Providing chamber 3’x2” (915x615mm) inside diamension 4 ½ (1372 MM) as per approved design for sluice valve 3” to 12” inside cast iron cover with frame wt 1 cwt 2sqr in RCC 1:2:4 slab 4” thick with 5 LBS thick per CFT 25 mm thic brick masonary wall in 1:6 cement plaster inside wall surface and to top i/c pf foot rest foot beyond 2 /2 depth curring excavation back and disposal of surplus earth etc comlete (PHSINO. (Q) P. 49). | 02 | 18820/00 | Each | 37640/00 |
| 06 | Making joints to C,I specials fitting i/c laying / required dia meter and testing the joint alongwith the A.C Pressure pipe to the specified pressure and making good to all laeaky joint et complete PHSIno. 24 P.No. 80). | 03 Joints | 90/00 | P>Joint | 270/00 |
| 07 | Jointing of C.I, MS flanged pipe and specials ends side trenches i/c supplying packig of the required thickness nuts bolts with washer etc other tools reuired for jointing and testing the joint and pressure etc complete (PHSINO. 1 P. 40). | 02 Joint | 2239/00 | P.Joint | 4478/00 |
| 08 | Refilling the excavated stuff in trenches 6 layers i/c watering ramming and to full compaction etc complete PHSINO> 24 P.No. 53). | 15188/0 | 2760/00 | P.%ocft. | 41919/00 |
|  |  |  | **Total.** |  | **3142900/00** |

**Contractor. Executive Engineer**

**Public Health Engg. Division Ghotki**

**@ Mirpur Mathelo.**

CONDITIONS.

1. The work shall have to bexecuted according to PWD/PHE specifications.
2. No premium on non schedule items shall be allowed to the contractors.
3. Any error or omission in the description of item of work and the rate shall be governed with the relevant schedule of rates and estimates.
4. The contractor shall have to bring the material to be used from the quarries mentioned in the estimate.

Contractor.  **Executive Engineer**

**Public Health Engg. Division Ghotki**

**@ Mirpur Mathelo.**

**SCHEDULE B**

**NAME OF WORK. CONSTRUCTION OF RCC NALLA I/C KATCHPITS AND CC**

**DRAINS , CC BLOCK FOR MIRANI MOHALLAH ZONE (F)**

**FOR URBAN DRAINAGE SCHEME GHOTKI MEGA PROJECT.**

**Part-A. RCC NALLA.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Item of work** | **Qty** | **Rate** | **Unit** | **Amount.** |
| 1 | Dismentalling and removal road metalling. | 94.50 | 605/00 | %ocft | 57172/00 |
| 2 | Dismentalling of cc brick work in lime or cement mortor. | 240.00 | 1285/63 | %ocft. | 3085/00 |
| 3 | Dismentalling of cc plain 1:2:4 | 150.00 | 3327/50 | P%ocft. | 4991/00 |
| 4 | Dismentalling of RCC from concrete cleaning and stagigig the sae cs9 No. 20 P.no. 10 | 648.00 | 5445/00 | P.%Ocft. | 35283/00 |
| 5 | Excavation for pipe line in trenches in pits in soft soil oi/c trimming dressing sides to torue alignment shape leveling of beds of trenches to correct level and grade cutting joints holes and disposal of surplus earth within one chain as direct by engineer incharge providing fence guards lights whenever and temporary crwosing for non vehicular traffic whenever required lift upto 5 ft and lead upto one hain (PHSINO. 1 P.No. 60). | 28800.00 | 3600/00 | P.%ocft | 103680/00 |
| 6 | Excavation for pipe line in trenches in pits in soft wet i/c trimming dressing sides to torue alignment shape leveling of beds of trenches to correct level and grade cutting joints holes and disposal of surplus earth within one chain as direct by engineer incharge providing fence guards lights whenever and temporary crwosing for non vehicular traffic whenever required lift upto 5 ft and lead upto one hain (PHSINO. 1 P.No. 60). | 14400.00 | 5400/00 | P%ocft | 77760/00 |
| 7 | Add. Evry 50 ft additional lead or part thereof (CSINO. 1 P.NO. 2). | 3150.00 | 2015/60 | P.%ocft. | 102167/00 |
| 8 | CC Plain i./c placing compacting finishing and curing complete i/c screenings and washing of stone aggregate without shuttering CSI No> 5 P.17). | 3150.00  1320.00 | 11288/75  14429/25 | P.%cft  P.%cft. | 355595/00  190466/00 |
| 09 | RCC work in roof slabs beams columns rafts lintels and other structure members laid in situ or precast laid in position etc complete in all respect ratio 1:2:4 (CSI NO. 6 P.No. 18). | 11700.00 | 337/00 | P.cft. | 2942900/00 |
| 10 | Fabrication of mild steel reinforcement for cement concretes i/.c cutting bending laying in position making points and fastening i/c cost of b including wire also i/cs removal of rust from bars CSI No. 7 P.No. 19). | 417.86 | 5001/70 | P.cwt. | 2089996/00 |
| 11 | Pacca bric work other then building. | 1861.47 | 12889/70 | P.%cft. | 240124/00 |
| 12 | Extra labour for arch work in brick masonary i/c labour for centering and decentering. | 882.36 | 968/00 | P.%cft. | 8541/00 |
| 13 | Cement pointing storuck joints and walls ratio 1:3. | 11610/00 | 1213/58 | P.%sft. | 140896/00 |
| 14 | Small iron work such as gusser plate knees abends strups rings etc i/c cutting drilling refitting handling assembling and fixing but excluding errection in position (CSI No. 1 P.No. 90). | 7.50 | 5420/61 | P.cwt. | 48155/00 |
| 15 | Supplying and mixing chemical admixture latinates B.V -40 or equivalent and mixing with concrete 1:2:4 ( approved rate). | 112/50 | 80/00 | P.litre | 8976/00 |
| 16 | Refilling the excavated stuff in trenches 6” thick layers leveling ai/c water ramming to ful l compaction etc complete. | 3000.00 | 2760/00 | P.%ocft. | 8280/00 |
|  |  |  | **Total.** |  | **74188070/00** |

**PART B KATCH PITS.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Item of work** | **Qty** | **Rate** | **Unit** | **Amount.** |
| 1 | Dismentalling Cement concrete plain ratio 1:2:4. | 10.00 | 3327/50 | P.%cft | 333/00 |
| 2 | Excavation in foundation of building bridges and other structures i/c belling dressing filling around the structure with excavated earth watering ramming lead upto one chain and lift upto 5ft.CSI No> 18 P.No.4). | 70.00 | 3176/25 | P.%ocft. | 222/00 |
| 3 | CC Plain i./c placing compacting finishing and curing complete i/c screenings and washing of stone aggregate without shuttering CSI No> 5 P.17). | 10.00  1.50 | 11288/75  14429/25 | P.%cft.  P.%cft. | 1129/00  216/00 |
| 4 | Pacca briuck work in foundation and plinth in cement sand mortor 1:6 (CSI NO> 4 P.No> 24). | 43.88 | 11948/36 | P.%cft. | 5243/00 |
| 5 | RCC work in roof slabs beams columns rafts lintels and other structure members laid in situ or precast laid in position etc complete in all respect ratio 1:2:4 (CSI NO. 6 P.No. 18). | 5.19 | 337/00 | P.cft. | 1748/00 |
| 6. | Fabrication of mild steel reinforcement for cement concretes i/.c cutting bending laying in position making points and fastening i/c cost of b including wire also i/cs removal of rust from bars CSI No. 7 P.No. 19). | 0.20 | 5001/70 | P.cwt/ | 1000/00 |
| 7 | Small iron work such as guasser plat knees beeds strups straps ring etc i/c cutting drilling refirtting handling assembling and fiing but excluding errection in position csi No. 1 P. 90). | 0.98 | 6420/61 | P.cwt. | 6292/00 |
| 8 | Errection and fixing in position of iron trusses staging of water tank etc (CSI No. 3 P.No. 91). | 0.98 | 271/04 | P.cwt. | 266/00 |
| 9 | Providing RCC pipe with collar B class i/c earth work ( Sant sch. No. 1 P.No. 24). | 8.00 | 407/62 | P.cwt. | 3261/00 |
|  |  |  | **Total.** |  | **19710/00** |
|  |  |  | **10 x19710** | **=** | **197100/00** |

**PART-C. CC DRAINS.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Item of work** | **Qty** | **Rate** | **Unit** | **Amount.** |
| 1 | Excavation in foundation of building bridges and other structures i/c belling dressing filling around the structure with excavated earth watering ramming lead upto one chain and lift upto 5ft.CSI No> 18 P.No.4). | 16031.00 | 3176/25 | %ocft | 50918/00 |
| 2. | CC Plain i./c placing compacting finishing and curing complete i/c screenings and washing of stone aggregate without shuttering CSI No> 5 P.17). | 3539.00  317.87 | 11288/75  14429/25 | 1:4:8  %cft  1:2:4  %cft | 399509/00`  45867/00 |
| 3. | Construction of standard open drain cunnet block of CC 1:2:4 I/AC SITU TO THE DESIGN PROFILE EII./C COST OF MATERIAL I/CS PER DRAWING I/C SUPPLYING FILLING COST OF CEMENT 1/22” THICK | 4300  1250.00 | 94/00  174/00 | P.rft.  P.rft. | 404200/00  217500/00 |
| 4 | Pacca briuck work in foundation and plinth in cement sand mortor 1:6 (CSI NO> 4 P.No> 24). | 9262.50 | 12674/36 | P%cft. | 1106717/00 |
| 5 | Cement plaster 1:4 upto 20’height i/c “ thick CSI NO> 11 P.No> 57). | 14500 | 2283/93 | P.%cft/ | 331170/00 |
| 6. | RCC work in roof slabs beams columns rafts lintels and other structure members laid in situ or precast laid in position etc complete in all respect ratio 1:2:4 (CSI NO. 6 P.No. 18). | 212.23. | 337/00 | P.cft. | 71520/00 |
| 7 | Fabrication of mild steel reinforcement for cement concretes i/.c cutting bending laying in position making points and fastening i/c cost of b including wire also i/cs removal of rust from bars CSI No. 7 P.No. 19). | 7.59 | 4820/20 | P.cwt. | 37935/00 |
|  |  | **Total.** |  |  | **2665336/00** |

**PART-E CC. BLOCK.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | Barrow pit excavation undressed lead upto 100 ft ( in ordinary soil CSI NO. 1 P.No> 1). | 32604.00 | 2117.50 | %ocft | 69039/00 |
| 2 | Carriage of earth (CSI NO> 8 P.No> 02 | 32604.00 | 502/52 | %ocft | 163842/00 |
| 3 | Laying earth in 6 Layers leveling dressing and watering for compaction etc complete (CSI No. P.No> ). | 44400.00 | 354.00 | %ocft | 15718/00 |
| 4 | Cement concrete brick or stone Ballast 11/2” to 2” guage aration 1:4:8 | 14652.00 | 9416/28 | %cft | 1379673/00 |
| 6 | C.C plain i/c placing ompating finishing and curring complete i/c screening and washing of stone aggregate w/o shuttering csi No. 5 P.No. 17 1:2:4. | 11100.00 | 14429/25 | P.%cft | 1601647/00 |
|  |  |  | **Total.** |  | **3229919/00** |

ABSTRACT.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No. | Item of work | Schedule ‘B’ | Non Schedule Items | Amount. |
| 1 | RCC Nalla. | 7418070/00 |  | 7418070/00 |
| 2 | Catch pits 10 Nos. | 197100/00 |  | 197100/00 |
| 3. | Surface Drains. | 2665336/00 |  | 2665336/00 |
|  | C.C Block. | 3229919/0 |  | 3229919/0 |
|  | **Total.** | **13510425/00** |  | **13510425/00** |

**Contractor. Executive Engineer**

**Public Health Engg. Division Ghotki**

**@ Mirpur Mathelo.**

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2. No premium on non schedule items shall be allowed to the contractors.
3. Any error or omission in the description of item of work and the rate shall be governed with the relevant schedule of rates and estimates.
4. The contractor shall have to bring the material to be used from the quarries mentioned in the estimate.

Contractor.  **Executive Engineer**

**Public Health Engg. Division Ghotki**

**@ Mirpur Mathelo.**