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| PUBLIC HEALTH ENGINEERING DEPARTMENT  **GOVERNMENT OF SINDH**    **DETAILED WORKING ESTIMATE**  **FOR**  Construction of OPEN DRAIN AT LAL CHANDABAD MIRPURKHAS  **DISTRICT MIRPURKHAS**  **ESTIMATED COST RS:1.00 MILLION**   |  | | --- | | **PAREPARED BY:** | | **PUBLIC HEALTH ENGINEERING DIVISION MIRPURKHAS** | |

**PUBLIC HEALTH ENGINEERING DEPARTMENT MIRPURKHAS**

MAJOR HEAD Construction of OPEN DRAIN AT LAL CHANDABAD MIRPURKHAS

MINOR HEAD : Construction of OPEN DRAIN AT LAL CHANDABAD MIRPURKHAS

DEPTT: HEAD : Construction of OPEN DRAIN AT LAL CHANDABAD MIRPURKHAS

Estimate Framed In The Office Of The Executive Engineer Public Health Engg: Division

Mirpurkhas For The Probable Expenditure That Will Be Incurred On Detail Working Estimate For Construction Of Construction of OPEN DRAIN AT LAL CHANDABAD MIRPURKHAS

**ESTIMATED COST RS: Rs:1000000 /-**

**GENERAL DESCRIPTION**

This Estimate Comes To Rs:1000000 /- Has Been Prepared To Cover the Cost Detail Working Estimate For Construction Of Construction of OPEN DRAIN AT LAL CHANDABAD MIRPURKHAS.

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1. The work will be carried out as per P.W.D Specification.

2. The work will be let-out after calling competitive Tenders.

3. The rates are provided as per P. H. Schedule and Schedule of Material.

4. The estimate is prepared against Rough Cost Estimate provision for this work exist of Rs: 1.00 Million

**Assistant ENGINEER**

**PUBLIC HEALTH ENGG: Sub DIV-I**

**MIRPURKHAS**

Detailed Working Estimate For Construction of OPEN DRAIN AT LAL CHANDABAD MIRPURKHAS.

1. Excavation in foundation of building bridges and other structure i/c dag belling dressing refilling around structure with excavated earth watering and ramming lead upto 5’ ft in ordinary soil.(GSI NO 18 P-5).

Type-II =1x500x3.00x(2+2.50) = 6075.0 Cft'

2

6075.00 Cft @Rs:3176/25 P%oCft Rs:19296/-

2. Cement concrete plain i/c placing compacting finishing and curing complete (i/c screening and washing stone aggregate without shuttering (GSI No.50(I) P-17).1:4:8

Type-II =1x900x3.00x0.25 = 675.0 Cft

675.00 Cft @Rs:11288/75 P%Cft Rs:76199/-

03. Pucca brick work in foundation and plinth in cement sand mortar (1:6) (GSI No.4 P-24).

Type-II =2x900x0.75x(2.50+2.00) = 3037.50 Cft

2

3038.50 Cft @Rs:11948/36 P%Cft Rs:362991/-

04. Construction of standard open drain cunette block of cement concrete (1:2:4) in situ to the design profile i/e cost of mould as per drawing i/c applying floating coat of cement 1/32” thick to the exposed face finished smooth curing etc. complete as per detailed drawing (PHSI No.d P-44).

= 1 x900 = 900.0 Rft

900.0 Rft @Rs: 174/- P.Rft Rs:156600/-

05. Cement plaster (1:4) upto 12’ ft height ½” thick. (GSI No.11 P-51).

=2x900x(1.08+1.50)+0.75 = 3672.00 Sft

2

3672.00 Sft @Rs:2283/93 P%Sft Rs:83866/-

06. RCC work i/c all labor and material except the cost of steel reinforcement and its labor for bending and binding which will be paid Separately. This rate also includes all kinds of forms moulds lifting shuttering curing rendering and finishing the exposed surface i/c the exposed including screening and washing of shingle(a) RCC work in roof slabs beams columns rafts lintels and other structural members laid in situ or laid in position complete in all respect ratio (1:2:4) 90 Lbs cement 2 Cft sand 4 Cft shingle 1/8” to ¼” gauge (GSI No.6 P-16).

Curing =5x05x2.50x0.33 = 20.65 Cft

House Slab =1x6x4.0x3.0x0.33 = 23.76 Cft

Cross =3x20x3.0x0.50 = 90.00 Cft

House Slab =1x6x4.0x3.0x0.33 = 23.76 Cft

= 158.17 Cft

158.00 Cft @Rs:337/- P.Cft Rs:53246/-

07. Fabrication of mild steel reinforcements for cement concrete including Cutting bending laying in position making joint and fastenings including cost of binding wire also include removal of rust from bars(GSI No.7 P17).

158 x 4.50 = 6.348 Cwt

112

6.348 Cwt @Rs:5001/70 P.Cwt Rs:31751/-

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**TOTAL:- RS: 783949/-**

**CARTAGE OF MATERIAL:-**

1. Bajri from Khanote to site of work lead 76 miles.

1373.00 Cft @Rs:3051/16 P%Cft. Rs:41892/-

1. Hill sand from Bholari to site of work lead 56 miles.

1600.00 Cft @Rs:2399/96 P%Cft. Rs:38999/-

1. Cement from Zeal Pak factory to site of work lead 85 miles.

340.0 Bags. @Rs:57/33 P.Bag. Rs:19492/-

1. Bricks from Mirpurkhas to site of work ( lead 06 miles).

41013.0 Nos. @Rs:604/32 P%oNos. Rs:24793/-

1. Steel from Hyderabad to site of work (42 miles).

6.348 Cwt @Rs:19/44 P.Cwt. Rs:123/-

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TOTAL:- RS:909248/-

10 % Ceiling Rs: 90925/-

**Total Rs: 1000173/-**

**Say Rs: 1000000/-**

MATERIAL STATEMENT

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.#** | **ITEM** | **QTY** | **BAJRI** | **H.SAND** | **CEMENT** | **BRICKS** | **STEEL** |
| 1 | C.C. Plain 1:4:8 | 675 | 648 | 324 | 65 | - | - |
| 2 | Brick Work 1:6 | 38 | - | 781 | 104 | 41013 | - |
| 3 | Cement Plaster 1:4 | 3672 | - | 132 | 26 | - | - |
| 4 | RCC 1:2:4 | 158 | 139 | 70 | 28 | - | 6.348 |
| 5 | Constt: of Standard  Type-II 900x0.74=666 | 666 | 586 | 293 | 117 | - | - |
|  | **TOTAL:-** |  | **1373** | **1600** | **340** | **-** | **6.348** |

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|  | **ASSISTANT ENGINEER**  **PUBLIC HEALTH ENGG: S/DIVISION-I**  **MIRPURKHAS** |