

# GOVERNMENT OF SINDH

**DETAIL ESTIMATE**

**FOR**

**CONSTRUCTION OF ROAD FROM VILLAGE BHANO KHAN MANGI TO MALUG MANGRIO ROAD MILE0/0- 0/3 UC DRIB MEHAR SHAH**

# AN AMOUNTING TO Rs. 4.993 MILLION.

OFFICE OF THE EXECUTIVE ENGINEER HIGHWAY DIVISION KHAIRPUR.

NAME OF WORK:**CONSTRUCTION OF ROAD FROM VILLAGE BHANO KHAN MANGI TO MALUG MANGRIO ROAD MILE0/0- 0/3 UC DRIB MEHAR SHAH**

GENERAL ABSTRACT.

|  |  |  |  |
| --- | --- | --- | --- |
| S.NO | ITEM OF WORK | | AMOUNT. |
| **1/-** Road Work  **2/-**Masonry  Total: -  Say | | Rs. 4392384/=  Rs. 600966/=  Rs:4993350 /=  Rs.4993400/= | |

|  |  |
| --- | --- |
| ASSISTANT ENGINEER  HIGHWAYS SUB – DIVISION  PIR JO-GOTH | EXECUTIVE ENGINEER  HIGHWAY DIVISION KHAIRPUR |

|  |  |
| --- | --- |
| NAME OF SCHEME*:* | **CONSTRUCTION OF ROAD FROM VILLAGE BHANO KHAN MANGI TO MALUG MANGRIO ROAD MILE0/0- 0/3U C DRIB MEHAR SHAH** |

(MEASUREMENT CUM ABSTRACT)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Qty* | ITEM OF WORK | QTY: | | RATE | UNIT | AMOUNT |
|  | | | | | |  |
|  | 1/-Earth work for road embankment from bulldozers i/cs: plugging mixing clod breaking dressing & compacting with optimum moisture content lead upto 100’ & lift upto 5.0’in ordinary soil except in rock. | | | | |  |
|  | *A)COMPACTING UPTO 95-100%MODIFIED AASHO DENSITY* | | | | |  |
|  | With extra lead 3x660x14.0x1.00x1.03 = 28551 cft:  Say= 47600 | | | | |  |
| 28600 | Cft: | @Rs.10253/72 | | | P. %0Cft: | Rs.293256/- |
|  | B) COMPACTING UPTO 85% MODIFED DENSITY  Statement Attached | | | | |  |
| 119500  23500 | Cft:@Rs.7723/95  C) EARTH WORK ON BERM  Cft:@Rs.6278/37 | | | | P. %0Cft  P. %0Cft: | Rs.923012/-  Rs:147541/- |
|  |  | | | |  |  |
|  | 1/- Preparing Sub-Base course by supplying & spreading stone metal 1 ½”-2”gauge of approved quality from approved quarry in required thickness to proper camber & grade i/cs: hand packing filling voids with 10 cft: screening & Non plastic quarry fines of approved quality & gauge from approved source watering & compacting to achieve 98-100%density as per modified AASHO Specification (Rate i/cs: all costs of materials T&P & carriage upto site of work) | | | | |  |
|  | 3x660x12.0x0.50x1.03 = 12236 Cft: | | | | |  |
| 12200 | Cft: |  | | @Rs.6260/36 | P.% Cft: | Rs.763764/- |
|  |  | | | |  |  |
|  | 1/-Laying Brick on end edging i/cs: supply of 9”x4 ½”2”x3”Ist: Class Burnt bricks excavation for having edging with small size parallel to the road (Rate i/cs: lead upto side of work) | | | | |  |
|  | 2x3x660x1.03 = 4078 | | | | Rft |  |
| 4100 | Rft |  | | @Rs.2792/94 | P.%Rft | Rs.114491/- |
|  | 2/-Preparing Base course by supplying & spreading stone metal of approved quality properly graded to maximum size of 1 ½”gauge in required thickness to proper camber & grade i/cs: supplying & spreading l5 cft: screening & Non plastic quarry fines filling depression with stone metal after initial rolling i/cs: watering & compacting the same so as to achieve 100% density as per modified AASHO Specification. | | | | |  |
|  | 3x660x12.0x0.25x1.03 = 6110Cft: | | | |  |  |
| 6100 | Cft: |  | | @Rs.7220/14 | P.% Cft: | Rs: 440428/- |
|  |  | | | |  |  |
|  | 1/-Providing Surface Dressing Ist: Coat on new or existing surface with 30lbs: bitumen of 80/100 Penetration & 4.0 Cft: Crush bajri with i/cs: cleaning the road surface rolling etc: complete. (Rate i/cs: all costs of materials T&P & carriage upto site of work) | | | | |  |
|  | 3x660x12.0x1.03 | | | | = 24472 Sft |  |
| 24500 | Sft: |  | | @Rs.1604/56 | P.%Sft | Rs.393117/- |
|  | 2/-Providing 1”thick (consolidate) Premixed Carpet in proper camber & grade i/cs: supplying of 10 cft: Crush bajri with 67lbs: bitumen of 80/100 Penetration & 4.00 Cft: Hill sand rolling etc: complete. | | | | |  |
|  | 3x660x12.0x1.03 = | | | | 24472 Sft |  |
| 24500 Sft: | @Rs.4506/02 | | | | P.% Sft: | Rs.1103975/- |
|  | 7- Increased Cost of Bitumen. | |  |  |  | |
| 10.60 | P.Tons | | | Rs:17595 | P.Ton(-) | Rs:186507 |

TotalRs:3993077/-

Add 8% above (as per ceiling (+) Rs.319446

Add 2% Contingency. (+)Rs: 79861/-

**Total Rs:4392384/-**

|  |  |
| --- | --- |
| ASSISTANT ENGINEER  HIGHWAYS SUB – DIVISION  KINGRI @ PIR JO - GOTH | EXECUTIVE ENGINEER  HIGHWAY DIVISION KHAIRPUR |

Preparing Sub-Base course by supplying & spreading stone metal 1 ½”-2”gauge of approved quality from approved quarry in required thickness to proper camber & grade i/cs: hand packing filling voids with 10 cft: screening & Non plastic quarry fines of approved quality & gauge from approved source watering & compacting to achieve 98-100%density as per modified AASHO Specification (Rate i/cs: all costs of materials T&P & carriage upto site of work)

RATE ANALYSIS

1. Composite rate Rs.4359/76
2. Cost of carriage133 of stone Rs.1768/30

Metal (a) 1329/55 P% cft

C)Cost of carriage 10 cft screening Rs.132/95

@ Rs. 1329/55 P% cft **TotalRs.6260/36**

|  |  |
| --- | --- |
| ASSISTANT ENGINEER  HIGHWAYS SUB – DIVISION  KINGRI @ PIR JO - GOTH | EXECUTIVE ENGINEER  HIGHWAY DIVISION KHAIRPUR |

Preparing Base course by supplying & spreading stone metal of approved quality properly graded to maximum size of 1 ½”gauge in required thickness to proper camber & grade i/cs: supplying & spreading l5 cft: screening & Non plastic quarry fines filling depression with stone metal after initial rolling i/cs: watering & compacting the same so as to achieve 100% density as per modified AASHO Specification.

RATE ANALYSIS

A)Composite rate Rs.5252/41

B)Cost of carriage133 of stone Rs.1768/30

Metal (a) 1329/55 P% cft

C)Cost of carriage 15 cft screening Rs.199/43

**Total**

@ Rs. 1329/55 P% cft **Rs.7220/14**

|  |  |
| --- | --- |
| ASSISTANT ENGINEER  HIGHWAYS SUB – DIVISION  KINGRI @ PIR JO - GOTH | EXECUTIVE ENGINEER  HIGHWAY DIVISION KHAIRPUR |

RATE ANALYSIS

Laying Brick on end edging i/cs: supply of 9”x4 ½”2”x3”Ist: Class Burnt bricks excavation for having edging with small size parallel to the road (Rate i/cs: lead upto side of work)

Unite 100 Rft

A)Composite Schedule rate . Rs.2482/94

B)Cost of carriage for Rs.309/53

**Total**

400 NOS :@ Rs. 773/84 P.‰ NOS:**Rs.2792/47**

|  |  |
| --- | --- |
| ASSISTANT ENGINEER  HIGHWAYS SUB – DIVISION  KINGRI @ PIR JO - GOTH | EXECUTIVE ENGINEER  HIGHWAY DIVISION KHAIRPUR |

RATE ANALYSIS

Providing Surface Dressing Ist: Coat on new or existing surface with 30lbs: bitumen of 80/100 Penetration & 4.0 Cft: Crush bajri with i/cs: cleaning the road surface rolling etc: complete. (Rate i/cs: all costs of materials T&P & carriage upto site of work)

A) Composite rate Rs.1520/45

B) Cost of carriage 4.0 cft of Crush Rs.47/81

Bajri @ 1195/24 P.% cft

C) Cost of carriage 30 lbs: bitumen Rs.36/30

@ Rs. 2710/90 P.Ton **TotalRs.1604/56**

|  |  |
| --- | --- |
| ASSISTANT ENGINEER  HIGHWAYS SUB – DIVISION  KINGRI @ PIR JO - GOTH | EXECUTIVE ENGINEER  HIGHWAY DIVISION KHAIRPUR |

RATE ANALYSIS

Providing 1”thick (consolidate) Premixed Carpet in proper camber & grade i/cs: supplying of 10 cft: Crush bajri with 67lbs: bitumen of 80/100 Penetration & 4.00 Cft: Hill sand rolling etc: complete.

A) Composite rate Rs.4107/84

B) Cost of carriage 4.0 cft of Crush Rs.119/52

Bajri @ 1195/24 P.% cft

C) Cost of carriage 4.0 cft: Hill sand Rs.197/58

@ Rs. 4939/64 P.Ton

D) Cost of carriage 67 lbs: bitumen Rs.81/08

@ 2710/90 P.Ton **Total Rs.4506/02**

|  |  |
| --- | --- |
| ASSISTANT ENGINEER  HIGHWAYS SUB – DIVISION  KINGRI @ PIR JO - GOTH | EXECUTIVE ENGINEER  HIGHWAY DIVISION KHAIRPUR |