

# GOVERNMENT OF SINDH

**DETAIL ESTIMATE**

**FOR**

**CONSTRUCTION OF ROAD FROM VILLAGE QADIRBUX MAITLO U/C LAL BUX KANDHRO TALUKA KINGRI MILE0/0- 0/3**

# AN AMOUNTING TO Rs. 3.992 MILLION.

OFFICE OF THE EXECUTIVE ENGINEER HIGHWAY DIVISION KHAIRPUR.

NAME OF WORK:**CONSTRUCTION OF ROAD FROM VILLAGEQADIRBUX MAITLO U/C LAL BUX KANDHRO TALUKA KINGRMILE0/0- 0/3**

GENERAL ABSTRACT.

|  |  |  |  |
| --- | --- | --- | --- |
| S.NO | ITEM OF WORK | | AMOUNT. |
| **1/-** Road Work  **2/**- Retaining Wall  Total | | Rs. 3690847/=  Rs.301760/=  Rs: 3992607/= | |

SUB- ENGINEER

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

|  |  |
| --- | --- |
| NAME OF SCHEME*:* | **CONSTRUCTION OF ROAD FROM VILLAGEQADIRBUX MAITLO U/C LAL BUX KANDHRO TALUKA KINGRMILE0/0- 0/3** |

(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 5x660x14.0x1.00x1.03 = 47586 cft: | | | | | | |  |
| 28600 | Cft: | | @Rs.10253/72 | | | | P. %0Cft: | Rs.293256/- |
|  | B) COMPACTING UPTO 85% MODIFED DENSITY  Statement Attached | | | | | | |  |
| 48800 |  | @Rs.7723/95 | | | | | P. %0Cft: | Rs:376928 /- |
|  |  | | | | | |  |  |
|  | 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 = 122364 Cft: | | | | | | |  |
| 12200 | Cft: | |  | | @Rs.6540/38 | | P.% Cft: | Rs.797926/- |
|  |  | | | | | |  |  |
|  | 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.2782/05 | | P.%Rft | Rs.114064/- |
|  | 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 = 6118Cft: | | | | | |  |  |
| 6100 | Cft: | |  | | @Rs.7509/27 | | P.% Cft: | Rs: 458065/- |
|  |  | | | | | |  |  | |
|  | 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.1609/68 | | P.%Sft | Rs.394371/- | |
|  | 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.4519/24 | | | | | P.% Sft: | | Rs.1107213/- | |
|  | 7- Increased Cost of Bitumen. | | |  |  |  | | | |
| 10.60 | P.Tons | | | | Rs:17595 | P.Ton(-) | | Rs:186507 | |
|  | Add 8% above(as per ceiling) | | | |  | (+) | | Rs:3355316/  Rs.268425/- | |
|  | Add 2% Contingency. | | | | | (+) | | Rs: 67106/- | |
|  |  | | | |  | Total | | Rs:3690847/- | |

SUB- ENGINEER

|  |  |
| --- | --- |
| 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.2028/13

Metal (a) 1524/191 % cft

C)Cost of carriage 10 cft screening Rs.152/49

@ Rs. 1524/91 **Total Rs.6540/38**

SUB- ENGINEER

|  |  |
| --- | --- |
| 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.2028/13

Metal (a) 1524/191 % cft

C)Cost of carriage 15 cft screening Rs.228/73

**Total**

@ Rs. 1524/91 **Rs.7509/27**

SUB- ENGINEER

|  |  |
| --- | --- |
| 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.2482/49

C)Cost of carriage for Rs.228/73

**Total**

400 NOS : @ Rs. 747/79 P.‰ NOS: **Rs.2782/05**

SUB- ENGINEER

|  |  |
| --- | --- |
| 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.54/43

Bajri @ 1360/40 P.% cft

C) Cost of carriage 30 lbs: bitumen Rs.34/80

@ Rs. 2598/82 P.Ton **Total Rs.1609/68**

SUB- ENGINEER

|  |  |
| --- | --- |
| 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.136/09

Bajri @ 1360/40 P.% cft

C) Cost of carriage 4.0 cft: Hill sand Rs.197/73

@ Rs. 2598/82 P.Ton

D) Cost of carriage 67 lbs: bitumen Rs.77/73

@ 2598/82 P.Ton **Total Rs.4519/24**

SUB- ENGINEER

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