

00162



॥ ग्रामपंचायत हा लोकशाहीचा पोया आहे ॥ ग्रामपंचायत कर-भरणे हे आद्य कर्तव्य ॥
शौचालय नाही ज्यांच्या घरी देऊ नका त्यांना पोरी । शौचालय ज्यांच्या घरी आरोग्य तेथे वास करी ॥

ग्रामपंचायत कार्यालय, बाभुळवाडे

ता. पारनेर, जि. अहमदनगर



सौ. वैशाली देवेंद्र जगदाळे

सरपंच

8767420152

श्री. बाळु हरिभाऊ नवलें

उपसरपंच

मो. नं. 9552886078

दिनांक : 28/8/2024



मासिक सभा दि- 28/08/2024 ठराव क्रमांक १/२ ची नक्कल

विषय - १/२ बाभुळवाडे स्मशानभूमी ते लोणीमावळा शिवरस्तावर स्मशानभूमी जवळ सीडीवर्क होणेबाबत.

ठराव - १/२ आजच्या मासिक सभेत चर्चा होत असताना मौजे बाभुळवाडे येथील स्मशानभूमी ते लोणीमावळा रस्ता आहे. बाभुळवाडे स्मशानभूमी जवळ महाराष्ट्रशासन पाझरतलाव असल्याने पावसाळ्यात पूर्ण रस्ता हा पाण्याखाली जातो त्यामुळे खणकर मळा, बोरुडे वस्ती, भोसले, पावडे, कामठे वस्ती. तसेच शेती कामासाठी जाणारे नागरिक व शाळेतील विद्यार्थी ह्याचे खूप हाल होत आहेत. शेतीतील माल वाहतूक करण्यासाठी मोठी वाहने त्या ठिकाणाहून जाऊ शकत नाही ग्रामपंचायत सदस्य सौ. निशिगंधा संतोष बोरुडे यांनी सुचवले असता यावर सविस्तर चर्चा करण्यात येऊन सदरकाम आमदार निधीतून मागणी करण्यात यावी असे सर्वानुमते सांगण्यात येवून ठराव करणेत आला.

सूचक - सौ. निशिगंधा संतोष बोरुडे

अनुमोदक - श्री प्रमोद ठकाजी खणकर

ठरु सरवानुमते मंजूर.

ग्रामपंचायत

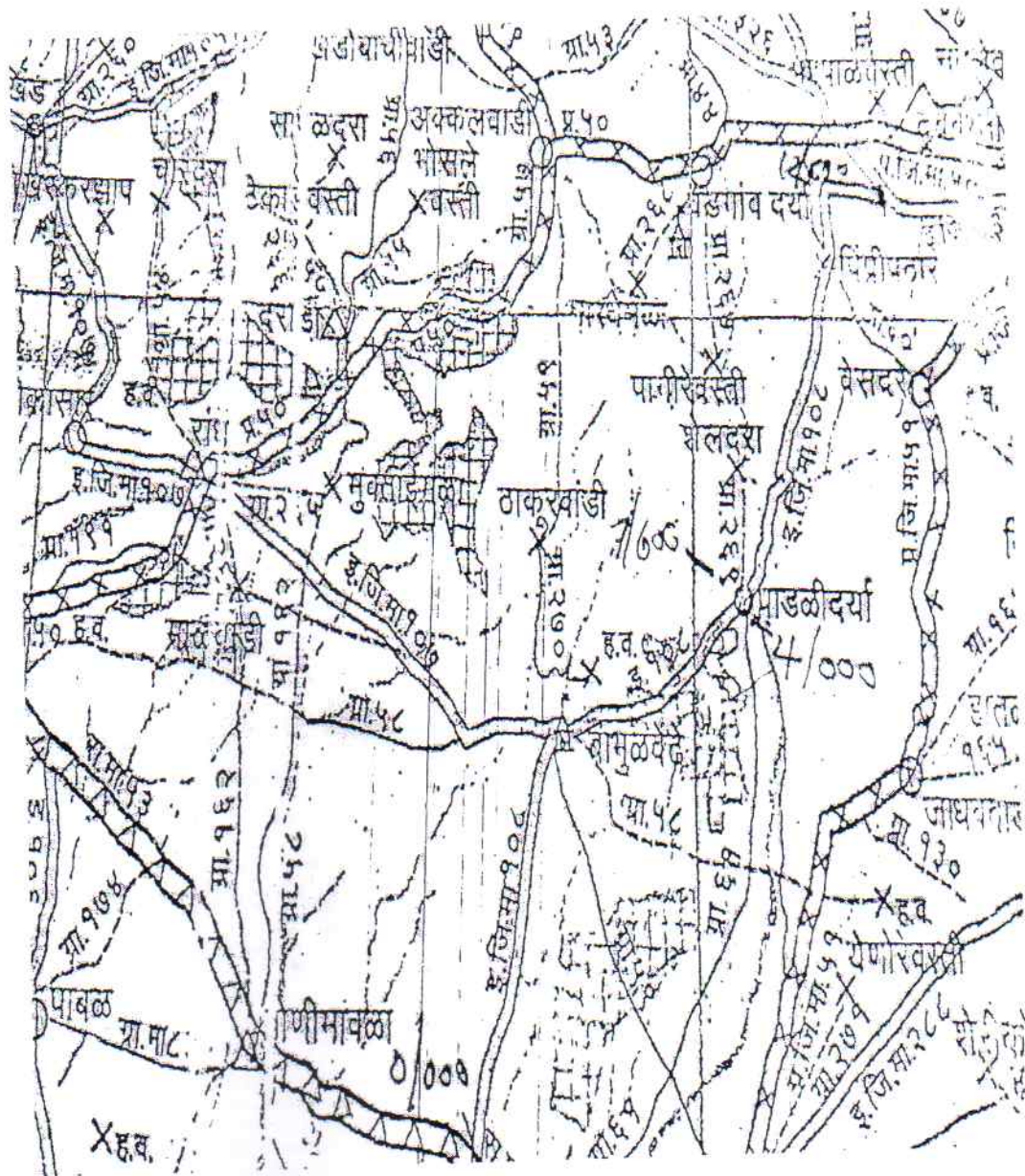
ग्रामपंचायत बाभुळवाडे
ता. पारनेर जि. अ. नगर

सरपंच

ग्रामपंचायत बाभुळवाडे
ता. पारनेर, जि. अ. नगर

Sagar

today at 12:45 PM



Z.P. AHMEDNAGAR
B. & C. (SOUTH) DIVISION
SUB-DIVISION PARNER

Name of work :- Constructing C.D.work & STBT for
Babhulwada smashanbhumi to Khalkar wasti road Ch 0/000
to 2/000 Km LR-306 @ Babhulwada Tal.Parner Dist.
Ahmednagar

Estimated Cost Rs. 2000000.00

AHMEDNAGAR ZILLA PARISHAD

ESTIMATE

Sanction Estimate No.:
Major Head :
Minor Head :
Service Head :
Departmental Head :

Estimate framed in the office of the Executive Engineer Zilla Parishad, Dy. Engineer, Zilla Parishad – Sub Division Parner of the probable expenses that will be incurred in

Name of work :- Constructing C.D.work & STBT for Babhulwada smashanbhumi to Khalkar wasti road Ch 0/000 to 2/000 Km LR-306 @ Babhulwada Tal.Parner Dist. Ahmednagar

Estimated cost Rs 2000000.00

Administratively approved under :

Technically sanctioned under vide order No.


Estimate prepared by Shri A.R. Kshirsagar, Sect. Engineer. Z.P.P.W. Sub Dn Parner

Estimate checked by Shri N.S. Ahire, Sect. Engineer. Z.P.P.W. Sub Dn Parner

(Call or Authority)

GENERAL DISCRPTION

Attached Saperately



SECT ENGR
Z.P.P.W.SUB-DN Parner

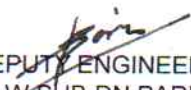

DEPUTY ENGINEER
Z.P.P.W.SUB-DN Parner

Name of work :- Constructing C.D.work & STBT for Babhulwada smashanbhumi to Khalkar wasti road Ch 0/000 to 2/000 Km LR-306 @ Babhulwada Tal.Parner Dist. Ahmednagar

RECAPULATION SHEET


| | | |
|-------------------------|----|------------|
| Total Work portion Road | Rs | 1664597.00 |
| | Rs | 1664597.00 |
| Add Royalty | Rs | 81746.00 |
| Add 12% GST | Rs | 199752.00 |
| Add 1% SQM | Rs | 16646.00 |
| Add 1% Insurance | Rs | 16646.00 |
| Add for contingencies | Rs | 20613.00 |
| Total Amount | Rs | 2000000.00 |


SECT ENGR


DEPUTY ENGINEER
Z.P.P.W.SUB-DN PARNER

| GENERAL DESCRIPTION | |
|--|--|
| I INTRODUCTION | |
| 1.1 Name of road | : Name of work :- Constructing C.D.work & STBT for Babhulwada smashanbhumi to Khalkar wasti road Ch 0/000 to 2/000 Km LR-306 @ Babhulwada Tal.Parner Dist. |
| Category | : LR-306 |
| Total Length of road | : |
| 1.2 Road starts from | : Ch 6/300 to 8/300 |
| 1.3 Triabal / Non tribal | : Non Tribal |
| II AUTHORITY | |
| 2.1 Job No. | : ---- |
| 2.2 The proposed work is demanded | : No |
| 2.3 The work is sanctioned | : No |
| III PRESENT POSITION | |
| 3.1 Total length of road | : 0.000 |
| 3.2 Existing surface of road | : Murumi |
| 3.3 Villages benifited with population | : Devibhoire, Padalidarya, Vadzire, Nighut |
| 3.4 Traffic intensity | : ---- |
| 3.5 Average Rainfall | : 486.9 |
| 3.6 Road passes through | : Average Soil area |
| 3.7 Position of side gutter | : No existing gutter, or Partly @ very fiew places |
| IV PROPOSALS | |
| 4.1 60mm metal layer | : 15cm thick layer after loose metal comptn with power roller. |
| 4.2 40mm Metal Layer | : 7.5cm thick layer after loose metal compathn with power roller. |
| 4.3 MPM | 75mm thick MPM width 3.00 m |
| 4.3 Bitumen carpet | : 20mm thick O.G. C. |
| 4.4 Seal coat | : Liquid seal coat |
| 4.5 Hard murum side widths | : 0.15m thick side widths. For 0.45 m wide |
| 4.6 Informatory Sign board | : 1.20m x 0.90m size |
| 4.7 Excavation for gutter | : Both side (Standard Section) |
| 4.8 C.D. works | CD work at 7/600, W 7.50 m , L-20 m, Head wall Ht- 23.87, Top Thickness 0.23 m , Bottom Thickness 0.95 m , |
| 4.9 Concrete Road | 20.00m in Pandan Area |
| V QUARRIES | |
| 5.1 60mm/40mm metal | : Parner Metal Quarry |
| 5.2 Hard and soft murum | : Local |
| 5.3 Sand | : ---- |
| 5.4 Crush metal | : Parner Metal Quarry |
| VI RATES | : The rates are adopted as per P.W.D. Standard schedule of rates for the year 2021-22 |
| VII COST PROVISION | : 2000000.00 |
| VIII ACTUAL ESTIMATED COST | : 2000000.00 |


Sect Engr


Deputy Engineer
Z.P.P.W. Sub-Dn.Parner

Name of work :- Constructing C.D.work & STBT for Babhulwada smashanbhumi to Khalkar wasti road
Ch 0/000 to 2/000 Km LR-306 @ Babhulwada Tal.Parnar Dist. Ahmednagar

ABSTRACT

| No | Item of work | Qty | Rate | Unit | Amount |
|----|---|--------|---------|------|-----------|
| 1 | Labour charges for removing grass, thorney shrubs, Jungli shrub, Kubabul and alike grass along roadside making the ground clean by showel and phavaras etc. complete. | 300.00 | 7.00 | Sqm | 2100.00 |
| 2 | Excavation for catch / side water gutter in all sorts of soils to the specified section including stacking the excavated stuff in a regular bund and disposing of unsuitable or excess stuff as directed all sorts of soils. | 97.20 | 104.00 | Cum | 10108.80 |
| 3 | Supplying trap/granite/quartzite/gneiss stone metal of required size by bringing the boulders / Rubble at the road side breaking them to required gradation including conveying the boulders /Rubble and stacking the broken metal etc. complete . (Prior approval of sample approval will form part of the measurements) a)80 mm Metal, By breaking rubble obtained by lasting.(Hand broken). with prior | 147.18 | 987.34 | Cum | 145316.70 |
| 4 | Supplying trap/granite/quartzite/gneiss stone metal of required size by bringing the boulders / Rubble at the road side breaking them to required gradation including conveying the boulders /Rubble and stacking the broken metal etc. complete . (Prior approval of sample stack of broken metal by the Ex. Engineer is necessary the date of approval will form part of the measurements) a)40 mm Metal, By breaking rubble obtained by blasting.(Hand broken). | 66.90 | 1037.34 | Cum | 69398.04 |
| 5 | Supplying hard murum/ kankar at the road site, including conveying and stacking complete | 64.22 | 576.13 | Cum | 37001.37 |
| 6 | Supplying soft murum at the road site, including conveying and stacking complete | 20.07 | 573.13 | Cum | 11502.71 |
| 7 | Spreading 80/40 mm metal for road work including sectionong etc complete as directed by,Engineer in charge . | 214.08 | 85.00 | Sqm | 18196.80 |
| 8 | Spreading hard murum/ soft murrum/ gravel or kankar for side width complete | 84.29 | 74.00 | Cum | 6237.75 |
| 9 | Compacting the sub grade/gravel/oversize metal (200 mm loose) layers for all width with Power roller having weight 8 to 10 MT. including necessary, labour, materials and artificial watering complete | 735.90 | 27.00 | Sqm | 19869.30 |
| 10 | Compacting the sub grade / gravel / size metal (100 mm loose) layers for all widths with Power roller having weight 8 to 10 MT. including necessary, labour, materials and artificial watering complete. | 669.00 | 25.00 | Sqm | 16725.00 |
| 11 | Providing and constructing 75 mm. thick Modified Penetration Macadam (MPM) road surface including all materials, preparing the existing road surface, spreading 40 mm. stone metal layers 30% crusher broken metal + 70% Hand broken (by breaking rubble obtained by blasting) heating and spraying the bitumen of specified grade @ 2 Kg/sqm, spreading 12 mm.size chips compacting with three wheel static roller having weight 8 to 10 MT. to achive the desired degree of compaction as per Technical Specification Clause 506 etc. complete. Including picking of existing WBM surface. (VG-30 bulk bitumen rates are considered to arrive at rates) | 669.00 | 264.25 | Sqm | 176784.94 |

| No | Item of work | Qty | Rate | Unit | Amount |
|----|---|--------|---------|------|-----------|
| 12 | Open Graded Premix Surfacing- Providing and Laying OGC 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates premixed with bituminous binder transported to site with TS , laid over a previously prepared surface, finished to the required grade, level, lignment, and rolling to achieve the desired compaction but excluding prime / tack and Seal coat. For Bitumen of specified grade--USING drum mix type hot mix plant with SCADA, Paver and Vibratory roller (Over MPM Surface) (VG-30 bulk bitumen rates are considered to arrive at rates) | 669.00 | 151.81 | Sqm | 101562.06 |
| 13 | Providing and applying tack coat on the prepared surface heating by fames in Boiler and spraying bitumen set footed in bitumen boller on B.T. surface 2.5 kg/10 sqm.(VG-30 bulk bitumen rates are considered to arrive at rates) | 669.00 | 13.50 | Sqm | 9031.08 |
| 14 | Providing bituminous Type A liquid seal coat on bituminous surface including supplying all materials and bitumen of specified grade preparing existing road surface, heating and applying bitumen @ 0.98 KgSqm. by mechanical means, spreading chips and rolling, by static roller having weight 8 to 10 MT. etc. complete. (VG-30 bulk bitumen rates are considered to arrive at rates) | 669.00 | 68.65 | Sqm | 45925.21 |
| 15 | Excavation for foundation by mechanical means in earth, soils of all types, sand, gravel, soft murum including shoring and strutting as necessary and disposing off excavated stuff as directed etc. complete. | 45.00 | 86.00 | Cum | 3870.00 |
| 16 | Excavation for foundation by mechanical means in hard murum including shoring and strutting as necessary and disposing off excavated stuff as directed etc. complete. | 15.00 | 222.00 | Cum | 3330.00 |
| 17 | Providing and laying in situ cement concrete of 1:4:8 proportion with trap/ granite/ quartzite/ gneiss metal in foundation including necessary form work, compacting and curing etc. complete. (with reversible drum rtype mixer with SCADA with Natural / VSI standard Artificial Sand) | 5.00 | 6067.77 | Cum | 30338.85 |
| 18 | Providing cast in situ / ready mix M10 grade cement concrete for head walls of CD work / retaining walls etc. including necessary form work, compaction, finishing and curing etc. complete. (with reversible drum type mixer/ concrete batch mix plant (pan mixer) with SCADA with Natural / VSI standard Artificial Sand, cement 4.05 bags/cumt) | 65.24 | 9038.77 | Cum | 589689.38 |
| 19 | Providing and laying cement concrete pipe of IS 458:2003 NP-2 class of 1200mm diameter in proper line, level and slope including providing and fixing collars in cement mortar 1:2 and curing etc. complete. | 22.50 | 7561.00 | Rmt | 170122.50 |
| 20 | Filling in plinth and floors with contractor's material approved by Engineer-in-charge in 15 to 20 cm layers including watering and compaction complete. | 162.76 | 550.00 | Cum | 89518.00 |
| 21 | Providing dry trap/ granite/ quartzite/ gneiss rubble stone soiling 15 cm to 20 cm thick including hand packing and compacting complete. | 32.38 | 1294.00 | Cum | 41899.72 |
| 22 | Providing and laying in situ cement concrete M20 with tremix treatment for 100 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete. | 60.00 | 758.74 | Sqm | 45524.56 |

| No | Item of work | Qty | Rate | Unit | Amount |
|----|---|------|---------|------|------------|
| 23 | Providing and fixing board displaying information, such as 'Name of work, Tender cost, name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size made out 18 gauge (1.25mm) thick mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 | 1.00 | 9284.00 | No | 9284.00 |
| 24 | Testing charges of Metal 60mm/40mm - Water Absorption & Specific Gravity, Impact Value Crushing Value | 1.00 | 2600.00 | No | 2600.00 |
| 25 | Testing charges of Metal 60mm/40mm - Sieve Analysis | 1.00 | 690.00 | No | 690.00 |
| 26 | Testing charges of Hard Murum - Liquid limit & plastic Limit. | 1.00 | 1170.00 | No | 1170.00 |
| 27 | Testing charges of BITUMEN - Penetration, Softening Point, Flash & Fire Point, Specific Gravity | 1.00 | 3135.00 | No | 3135.00 |
| 28 | Testing charges of BITUMEN - Extraction Test. | 1.00 | 1595.00 | No | 1595.00 |
| 29 | Testing of Concrete Cube, Comp. Strength | 1.00 | 690.00 | No | 690.00 |
| 30 | Testing of Sand, Fine ness Modulus Silt & Clay Content | 1.00 | 1380.00 | No | 1380.00 |
| | | | Total | Rs | 1664596.77 |
| | | | Say | Rs | 1664597.00 |


SECT ENGR


DEPUTY ENGINEER
Z.P.P.W. SUB-DN PARNER

Name of work :- Constructing C.D.work & STBT for Babhulwada smashanbhumi to Khalkar wasti road Ch 0/000 to 2/000 Km LR-306 @ Babhulwada Tal.Parner Dist. Ahmednagar

MEASUREMENT SHEET

| | | | | | | |
|--|------|----------|----------|------------------|--------|-------------------|
| 1 Labour charges for removing grass, thorney shrubs, Jungli shrub, Kubabul and alike grass along roadside making the ground clean by showel and phavaras etc. complete. | | | | | | |
| 6/30 to 8/30 | 2 | x 200.00 | | x 0.75 | | 300.00 |
| | | | | | | 300.00 Sqm |
| 2 Excavation for catch / side water gutter in all sorts of soils to the specified section including stacking the excavated stuff in a regular bund and disposing of unsuitable or excess stuff as directed all sorts of soils. | | | | | | |
| 6/30 to 8/30 | 2 | x 200.00 | x 0.90 | x 0.45 | | 162.00 |
| | | x 0.60 | | Total Qty | | 97.20 Cum |
| 3 Supplying trap/granite/quartzite/gneiss stone metal of required size by bringing the boulders / Rubble at the road side breaking them to required gradation including conveying the boulders /Rubble and stacking the broken metal etc. complete . (Prior approval of sample approval will form part of the measurements) a)80 mm Metal, By breaking rubble obtained by lasting.(Hand broken). with prior approval of concerned Superitending Engineer | | | | | | |
| 6/30 to 8/30 | 1 | x 223.00 | x 3.30 | x 0.20 | | 147.18 |
| | | | | Total Qty | | 147.18 Cum |
| 4 Supplying trap/granite/quartzite/gneiss stone metal of required size by bringing the boulders / Rubble at the road side breaking them to required gradation including conveying the boulders /Rubble and stacking the broken metal etc. complete . (Prior approval of sample stack of broken metal by the Ex. Engineer is necessary the date of approval will form part of the measurements) a)40 mm Metal, By breaking rubble obtained by blasting.(Hand broken). | | | | | | |
| 6/30 to 8/30 | 0.00 | 1 | x 223.00 | x 3.00 | x 0.10 | 66.90 |
| | | | | | | 66.90 Cum |
| 5 Supplying hard murum/ kankar at the road site, including conveying and stacking complete | | | | | | |
| Side widths | 2 | x 223.00 | x 0.45 | x 0.10 | | 20.07 |
| Add for Blindage | 30% | | x 147.18 | | | 44.15 |
| | | | | | | 64.22 Cum |
| 6 Supplying soft murum at the road site, including conveying and stacking complete | | | | | | |
| Add for Blindage | 30% | | 66.90 | | | 20.07 Cum |
| 7 Spreading 80/40 mm metal for road work including sectionong etc complete as directed by Engineer in charge . | | | | | | |
| Qty as per Item No 3 | | | | | | 147.18 |
| Qty as per Item No 4 | | | | | | 66.90 |
| | | | | | | 214.08 Cum |
| 8 Spreading hard murum/ soft murrum/ gravel or kankar for side width complete | | | | | | |
| Qty as per Item No 5 | | | | | | 64.22 |
| Qty as per Item No 6 | | | | | | 20.07 |
| | | | | | | 84.29 Cum |
| 9 Compacting the sub grade/gravel/oversize metal (200 mm loose) layers for all width with Power roller having weight 8 to 10 MT. including necessary, labour, materials and artificial watering complete | | | | | | |
| 6/30 to 8/30 | 0.00 | 1 | x 223.00 | x 3.30 | | 735.90 |
| | | | | Total Qty | | 735.90 Sqm |

| | | | | | | |
|--------------|---|---|----------|--------|-----------|-------------|
| 10 | Compacting the sub grade / gravel / size metal (100 mm loose) layers for all widths with Power roller having weight 8 to 10 MT. including necessary, labour, materials and artificial watering complete. | | | | | |
| 6/30 to 8/30 | 0.00 | 1 | x 223.00 | x 3.00 | | 669.00 |
| | | | | | Total Qty | 669.00 Sqm |
| 11 | Providing and constructing 75 mm. thick Modified Penetration Macadam (MPM) road surface including all materials, preparing the existing road surface, spreading 40 mm. stone metal layers 30% crusher broken metal + 70% Hand broken (by breaking rubble obtained by blasting) heating and spraying the bitumen of specified grade @ 2 Kg/sqm, spreading 12 mm.size chips compacting with three wheel static roller having weight 8 to 10 MT. to achive the desired degree of compaction as per Technical Specification Clause 506 etc. complete. Including picking of existing WBM surface. (VG-30 bulk bitumen rates are considered to arrive at rates) | | | | | |
| 6/30 to 8/30 | | 1 | x 223.00 | x 3.00 | | 669.00 |
| | | | | | Total Qty | 669.00 Sqm |
| 12 | Open Graded Premix Surfacing- Providing and Laying OGC 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates premixed with bituminous binder transported to site with TS , laid over a previously prepared surface, finished to the required grade, level, lignment, and rolling to achieve the desired compaction but excluding prime / tack and Seal coat. For Bitumen of specified grade--USING drum mix type hot mix plant with SCADA, Paver and Vibratory roller (Over MPM Surface) (VG-30 bulk bitumen rates are considered to arrive at rates) | | | | | |
| 6/30 to 8/30 | | 1 | x 223.00 | x 3.00 | | 669.00 |
| | | | | | Total Qty | 669.00 Sqm |
| 13 | Providing and applying tack coat on the prepared surface heating by fames in Boiler and spraying bitumen set footed in bitumen boller on B.T. surface 2.5 kg/10 sqm.(VG-30 bulk bitumen rates are considered to arrive at rates) | | | | | |
| 6/30 to 8/30 | | 1 | x 223.00 | x 3.00 | | 669.00 |
| | | | | | Total Qty | 669.00 Sqm |
| 14 | Providing bituminous Type A liquid seal coat on bituminous surface including supplying all materials and bitumen of specified grade preparing existing road surface, heating and applying bitumen @ 0.98 KgSqm. by mechanical means, spreading chips and rolling, by static roller having weight 8 to 10 MT. etc. complete. (VG-30 bulk bitumen rates are considered to arrive at rates) | | | | | |
| 6/30 to 8/30 | | 1 | x 223.00 | x 3.00 | | 669.00 Sqm |
| 15 | Excavation for foundation by mechanical means in earth, soils of all types, sand, gravel, soft murum including shoring and strutting as necessary and disposing off excavated stuff as directed etc. complete. | | | | | |
| CD at 7/600 | U/S H/W | 1 | x 20.00 | x 1.25 | x 0.90 | = 22.50 |
| | D/S H/W | 1 | x 20.00 | x 1.25 | x 0.90 | = 22.50 |
| | | | | | | = 45.00 cum |
| 16 | Excavation for foundation by mechanical means in hard murum including shoring and strutting as necessary and disposing off excavated stuff as directed etc. complete. | | | | | |
| CD at 7/600 | U/S H/W | 1 | x 20.00 | x 1.25 | x 0.30 | = 7.50 |
| | D/S H/W | 1 | x 20.00 | x 1.25 | x 0.30 | = 7.50 |
| | | | | | | = 15.00 cum |

- 17 Providing and laying in situ cement concrete of 1:4:8 proportion with trap/ granite/ quartzite/ gneiss metal in foundation including necessary form work, compacting and curing etc. complete. (with reversible drum type mixer with SCADA with Natural / VSI standard Artificial Sand)

| | | | | | | | |
|-------------|---------|---|---------|--------|--------|-------------|-----|
| CD at 7/600 | U/S H/W | 1 | x 20.00 | x 1.25 | x 0.10 | = 2.50 | |
| | D/S H/W | 1 | x 20.00 | x 1.25 | x 0.10 | = 2.50 | |
| | | | | | | 5.00 | Cum |

- 18 Providing cast in situ / ready mix M10 grade cement concrete for head walls of CD work / retaining walls etc. including necessary form work, compaction, finishing and curing etc. complete. (with reversible drum type mixer/ concrete batch mix plant (pan mixer) with SCADA with Natural / VSI standard Artificial Sand, cement 4.05 bags/cumt)

| | | | | | | | |
|--------------|---------|----|---------|--------|--------|--------------|-----|
| CD at 7/600 | U/S H/W | 1 | x 20.00 | x 0.59 | x 2.87 | = 33.87 | |
| | D/S H/W | 1 | x 20.00 | x 0.59 | x 2.87 | = 33.87 | |
| CD indicator | | 10 | x 0.23 | x 0.23 | x 0.45 | = 0.24 | |
| | | | | | | 67.98 | cum |
| Ded.pipes | | 6 | x 0.48 | x 0.79 | x 1.21 | = 2.74 | cum |
| | | | | | | 2.74 | |
| | | | | | | 65.24 | Cum |

- 19 Providing and laying cement concrete pipe of IS 458:2003 NP-2 class of 1200mm diameter in proper line, level and slope including providing and fixing collars in cement mortar 1:2 and curing etc. complete.

| | | | | | | | |
|-------------|--|---|------|--|--|--------------|-----|
| CD at 7/600 | | 3 | 7.50 | | | 22.50 | |
| | | | | | | 22.50 | Rmt |

- 20 Filling in plinth and floors with contractor's material approved by Engineer-in-charge in 15 to 20 cm layers including watering and compaction complete.

| | | | | | | | |
|--|--|---|----|------|-----|---------------|-----|
| | | 1 | 20 | 6.26 | 1.3 | = 162.76 | cum |
| | | | | | | 162.76 | cum |

- 21 Providing dry trap/ granite/ quartzite/ gneiss rubble stone soiling 15 cm to 20 cm thick including hand packing and compacting complete.

| | | | | | | | |
|--|--|---|----|------|------|--------------|-----|
| | | 1 | 20 | 7.04 | 0.23 | = 32.38 | cum |
| | | | | | | 32.38 | cum |

- 22 Providing and laying in situ cement concrete M20 with tremix treatment for 100 mm thickness for flooring with groove cutting of 4mm wide and 20mm deep with necessary refilling with bitumen etc. complete.

| | | | | | | | |
|--|--|---|---------|--------|--|---------|-----|
| | | 1 | x 20.00 | x 3.00 | | = 60.00 | Sqm |
|--|--|---|---------|--------|--|---------|-----|

| | | | |
|----|---|---|---------|
| 23 | Providing and fixing board displaying information, such as 'Name of work, Tender cost, name of Contractor, Work completion and liability period etc', having rectangular shape of 1.20m x 0.90m size made out 18 gauge (1.25mm) thick mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. Spec. No. As directed by Engineer in Charge | 1 | 1.00 No |
| 24 | Testing charges of Metal 60mm/40mm - Water Absorption & Specific Gravity, Impact Value Crushing Value | 1 | 1.00 No |
| 25 | Testing charges of Metal 60mm/40mm - Sieve Analysis | 1 | 1.00 No |
| 26 | Testing charges of Hard Murum - Liquid limit & plastic Limit. | 1 | 1.00 No |
| 27 | Testing charges of BITUMEN - Penetration, Softening Point, Flash & Fire Point, Specific Gravity | 1 | 1.00 No |
| 28 | Testing charges of BITUMEN - Extraction Test. | 1 | 1.00 No |
| 29 | Testing of Concrete Cube, Comp. Strength | 1 | 1.00 No |
| 30 | Testing of Sand, Fine ness Modulus Silt & Clay Content | 1 | 1.00 No |


 Sectional Engineer

Name of work :- Constructing C.D.work & STBT for Babhulwada smashanbhumi to Khalkar wasti road Ch 0/000 to 2/000 Km LR-306 @ Babhulwada Tal.Parner Dist. Ahmednagar

RATE ANALYSIS

Providing and constructing 75 mm. thick Modified Penetration Macadam (MPM) road surface including all materials,

| | | |
|--|-----------------------|----------------------|
| 1 Basic Rate (DSR I.no.3.35a ,P.no.36) | = Rs. | 229.00 /Sq.M. |
| 2 Lead for 40mm metal 5.00 Km. 0.06 cum/Sq.M. x (Total lead charge - Initial lead) | | |
| | 0.09 x 287.34 | 25.86 /Sq.M. |
| 3 Lead for 12mm crushed metal 5 Km. 0.018 x 299.83 | | 5.40 /Sq.M. |
| 4 Lead charges for asphalt 235 Km. 2.0 kg/Sq.M. x (Total lead charges - Initial lead) | | |
| | 2 x 235.00 x8.50 | |
| | <u>1000</u> | 4.00 /Sq.M. |
| | Total Rate Rs. | 264.25 /Sq.M. |

Open Graded Premix Surfacing- Providing and Laying OGC 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates


| | |
|---|-------------------------------------|
| 1 Basic Rate (DSR I.no.4.12, P.no.43) = Rs. | 142.00 /Sq.M. |
| | Net Rate 142.00 /Sq.M. |
| 3 Lead charges for crushed metal 5 km 0.027 x 299.83 | 8.10 /Sq.M. |
| 4 Lead charges of asphalt for 235 Km 1.46 x 235.00 x8.50 | |
| | <u>1000</u> |
| | 2.92 /Sq.M. |
| | <u>153.01 /Sq.M.</u> |
| Deduct Scada | 1.20 /Sqm |
| | Total Rate Rs. 151.81 /Sq.M. |


Providing and applying tack coat on the prepared surface heating by fumes in Boiler and spraying bitumen set footed in

| | |
|---|------------------------------------|
| 1 Basic Rate as per (DSR I.no.3.30,p.no.35) = Rs. | 13.00 /Sq.M. |
| 2 Lead for asphalt 235 Km 0.25 x 235.00 x8.50 | |
| | <u>1000</u> |
| | 0.50 /Sq.M. |
| | Total Rate Rs. 13.50 /Sq.M. |

Providing bituminous Type A liquid seal coat on bituminous surface including supplying all materials and bitumen of VG-30

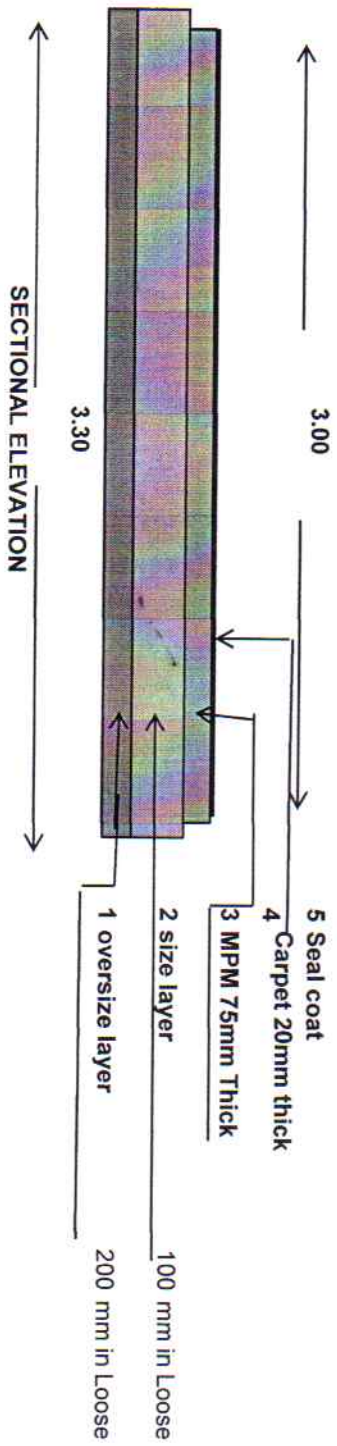
| | |
|--|------------------------------------|
| 1 Basic Rate as per (DSR I.no.4.01,p.no. 42) = Rs. | 64.00 /Sq.M. |
| 2 Lead for crushed metal 5.00 km 0.009 x299.83 | 2.69 /Sq.M. |
| 3 Lead for asphalt 235 Km 0.98 x 235.00 x8.50 | |
| | <u>1000</u> |
| | 1.96 /Sq.M. |
| | Total Rate Rs. 68.65 /Sq.M. |


Sect.Engr.
Z.P.P.W.Sub-Dn.Parner


Deputy Engineer
Z.P.P.W.Sub-Dn.Parner

Name of work :- Constructing C.D.work & STBT for Babhulwada smashanbhumi to Khalkar wasti road Ch 0/000 to 2/000 Km LR-306 @
Babhulwada Tal.Parnar Dist. Ahmednagar

BT Road



SECTIONAL ENGINEER
Z.P.P.W.SUB-DN.PARNER

DEPUTY ENGINEER
Z.P.P.W.SUB-DN.PARNER

Name of work :- Constructing C.D.work & STBT for Babhulwada smashanbhumi to Khaikar wasti road Ch 0/000 to 2/000 Km LR-
306 @ Babhulwada Tal.Parner Dist. Ahmednagar


| Station | Chainage | width of surface | Existing | | | Average | Proposed | | Total crust developed | |
|---------|----------------|------------------|----------|--------|-------|---------|-----------|-------|-----------------------|--------|
| | | | Left | Centre | Right | | Over size | Size | | BBM/CC |
| 8 | 7/300 to 7/500 | 3.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.150 | 0.075 | 0.075 | 0.300 |
| 9 | 7/500 to 7/700 | 3.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.150 | 0.075 | 0.075 | 0.300 |
| 10 | 7/700 to 8/00 | 3.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.150 | 0.075 | 0.075 | 0.300 |


Deputy Engineer
Z.P.W. Sub DN Parner
S.E.

Name of work :- Constructing C.D.work & STBT for Babhulwada smashanbhumi to Khalkar wasti road Ch 0/000 to 2/000 Km LR-306 @ Babhulwada Tal.Parner Dist. Ahmednagar

Royalty Statement

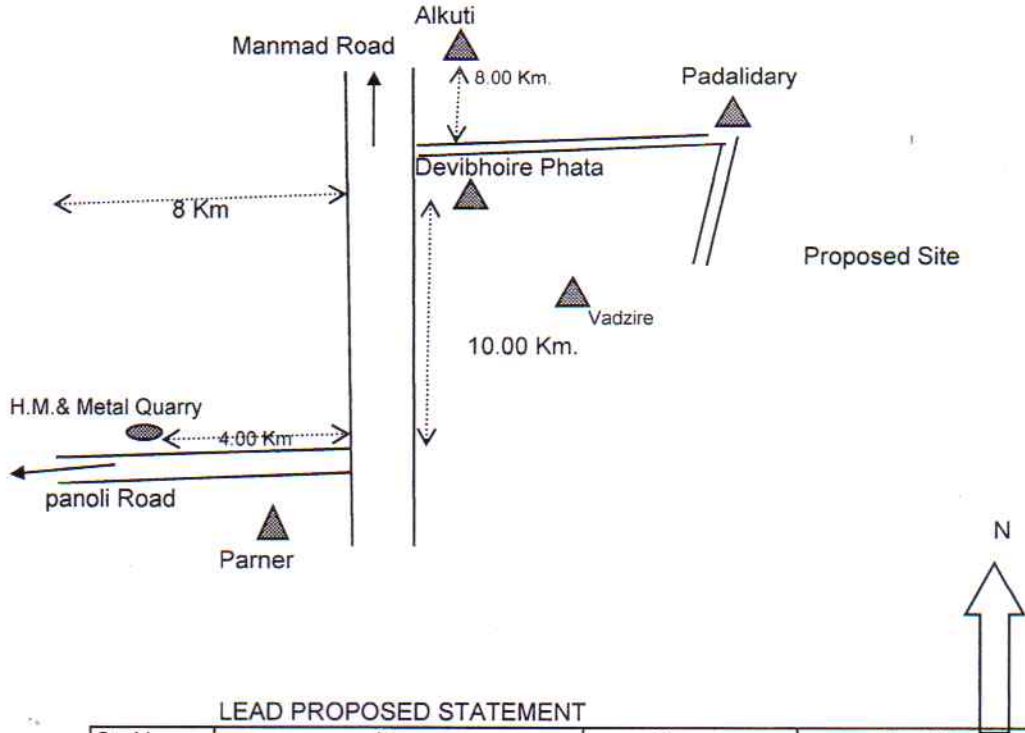
| I.No. | Item | Qty | Rate of Consumption | Total Qty | Sand Required | Total Amount |
|-------|------------|--------|---------------------|-----------------|----------------|-----------------|
| 1 | 80mm Metal | 147.18 | 1.00 | 147.18 | 0.00 | |
| 2 | 40mm Metal | 66.90 | 1.00 | 66.90 | 0.00 | |
| 3 | 75mm MPM | 669.00 | 0.063 | 42.15 | 0.00 | |
| 4 | Hard Murum | 64.22 | 1.00 | 64.22 | 0.00 | |
| 5 | Soft Murum | 20.07 | 1.00 | 20.07 | 0.00 | |
| 6 | CC M-10 | 5.00 | 0.47 | 0.00 | 2.35 | |
| 7 | Head Wall | 65.24 | 0.45 | 0.00 | 29.36 | |
| | Tremix | 60.00 | 0.043 | | 2.55 | |
| | | | Total Qty | 340.52 | 34.26 | |
| | | | Rate | 216.18 | 237.37 | |
| | | | Total Amount | 73613.83 | 8131.82 | 81746.00 |


S.E



Name of work :- Constructing C.D.work & STBT for Babhulwada smashanbhumi to Khalkar wasti road Ch 0/000 to 2/000 Km LR-306 @ Babhulwada Tal.Parner Dist. Ahmednagar

QUARRY CHART



LEAD PROPOSED STATEMENT

| Sr. No. | Item | Quarry | Lead in Km | Remark |
|---------|--------------------------|-------------|------------|--------|
| 1 | Supplying Metal / Rubble | Panoli Road | 10.00 | Ltd |
| 2 | Supplying HM & SM | Local | 5.00 | Ltd |

CERTIFICATE

- 1) Certified that the quarries shown on quarry chart for metal S M & H M etc are inspected by me. They are nearest and economical to the work and good quality material is available
- 2) Certified that the existing nearest available quarries are provided in the estimate
- 3) Certified that leads considered are found to be correct

[Signature]
 Sect. Engineer
 Z.P. B&C.Sub-Dn.Parner

[Signature]
 Deputy Engineer
 Z.P. B&C.Sub-Dn.Parner

