

HSR -2024

ANALYSIS

BADULLA DISTRICT

Ministry of Transport and Highways
Sri Lanka

HSR - 2024
Engineering Division
Ministry of Transport and Highways

HSR ANALYSIS – 2024

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ROAD DEVELOPMENT AUTHORITY – HSR ANALYSIS (METRIC)**GENERAL NOTES**

1. This **Highway Schedule of Rates (HSR)** becomes operative from **01.01.2024**. HSR has given the maximum rates adoptable in the estimation of projects. In case, the resources are available at lesser rates depending on area and locality, the Engineer shall use such rates in the BOQ for the preparation of Estimates.
2. Basic prices of materials used to derive the rates in this schedule are considered **without the Value Added Tax (VAT)**.
3. The rates are not included with overheads and profits component. For the purpose of preparation of Engineer's Estimates, these basic rates should be added with 20% for road works and 20% for bridge works. Provisions should be made separately in the estimate for the payment of **VAT**.
4. Work has to be carried out as per **(i) Standard Specifications for Construction & Maintenance of Roads and Bridges (S.S.C.M.)**, issued by the CIDA and **(ii) Road Maintenance Manual** issued by the RDA.
5. The description of all items in the bills shall briefly conform to that in the relevant items appearing in this schedule so as to avoid any ambiguity. Control of works, control of material and measuring & paying shall be carried out as per S.S.C.M. 104 to 106.6. However, where provision for control of traffic and safety measures for the road users are not included under such items, rate shall be provided separately and paid under the relevant HSR B0-704/B0-705 or on approved S.S.RR or on closely monitored work.
6. The basic labour rates given in this schedule are inclusive of 12% E.P.F., 3% E.T.F., and the special allowances ordered by the Government.
7. **For works under Force Account, in exceptional cases, Sk'A" labour at higher rates than that given in this schedule may be engaged on adhoc basis with the DG/RDA's prior approval only.**
8. For items where cement and/or steel are used, the transport of same is included in the basic price. The rate of Emulsion per liter given in the HSR is exclusive of transport and shall be paid separately.
9. All cement to be used for Concrete, Structural and Masonry/Rendering work shall be of approved quality and shall conform to the specifications required by the Road Development Authority.
10. Materials from approved manufacturers only shall be used in all works (S.S.C.M. 1700). The borrow materials such as soil, aggregate and materials such as Bitumen binder etc. shall be subjected for quality assurance by sample checks during the construction as per S.S.C.M. 1602
11. **S.S.RR. and day work items** shall be approved by the Provincial Director, subject to the following conditions:
 - (a) Any **S.S.R.** where the amount of respective B.O.Q. item does not exceed Rs. **500,000/-**, irrespective of whether the S.S.R. is based on HSR, or not.
 - (b) All the **S.S.RR** and day work items, which are based on HSR, irrespective of the amount of B.O.Q. item, or as per directives issued by the Director General/R.D.A. during the year.
12. Concrete mixers should be used for mixing of all reinforced concrete or concrete specified by their Grade and in other concrete mixing exceeding 3 cu.m, unless otherwise directed. Weigh batch mixers shall be used for all concrete specified on Grade 25 and above.
13. In respect of all works involving improvements to existing roads, contractor shall control traffic as per S.S.C.M. 103.
14. **Hire Charges**
 1. Hire charges given in this schedule are exclusive of overhead and profit component and taxes.
 2. Actual work done in a day in machine hours (mhr) has to be paid. The minimum mhr/Day is 4 machine hours and if the actual work done is less than 4 mhr then the cost for 4 mhr is to be paid without the cost of fuel.
 3. Plant hire charges not included in the HSR could be obtained from RDA schedule of hire charges for Machinery & Equipment given from Director/Mechanical. Otherwise procurement procedure as in General Notes Clause No. 18 should be followed.

4. Hire charges given in this schedule are provided by the Director/ Mechanical, RDA based on the fuel rates prevailed at the time of publication (Rs. 371.00 for Petrol and Rs. 363.00 for Diesel). These Hire charges should be adjusted with the price fluctuations of fuel by referring to the following formula.

$$\text{Modified Hire Charge} = R [1 + (n - n_0)/r]$$

Where,

R = Hire charge issued in this HSR

r = Rate of fuel usage in l/km or l/hr

n = New price of fuel issued by the Ceylon Petroleum Corporation

n₀ = Price of fuel considered for the hire charge as mentioned in this HSR

15. In the case of building construction works, rates in BSR-2024 prices prepared by the State Organizations on building construction, shall be adopted.

16. S.S.RR. approved with rates/prices applicable for a particular year, may be adopted for subsequent year/s where necessary, provided that only rates/prices are revised as applicable to the relevant year.

17. **Materials available/recovered during execution of works:**

All suitable earth, rock, steel or precast material and components available or recovered from road way excavations or demolition works shall be utilized in construction work with the approval of the Engineer and surplus disposed as directed. In the case of bridge re-construction works all bridge components such as steel girders, deck plates, and reinforcements etc., which are dismantled, shall be recovered and repaired for re-use. These items should be taken to an inventory by the Engineer and kept in stock under good care for reuse.

Separate items shall be included in the Estimates for reuse of such materials at recovery cost.

18. **Procurement:**

In cases where the resources have to be procured by tender procedure, the **Tender Committee shall take decisions** to make such awards according to the guide lines given in "**Procurement Manual/Procurement Guide Lines 2006 – Goods & Works**" and its subsequent amendments, issued by the **National Procurement Agency, Sri Lanka**.

- a. **All tender committees to procure materials for RDA work on works orders shall have a member from RDA authorized by the relevant Director/Provincial Director, and prior concurrence of the relevant Director/Provincial Director shall be obtained for the prices so decided before executing the work.**

- b. In case where Project Directors/ Provincial Directors procure materials at tender prices different to HSR or approve tender prices different to HSR fixed by other tender boards following government tender procedure as stated in above para, he shall take action to pay the contractor on prices approved by the tender board and amend / revise the relevant rates and the Estimates accordingly.

19. **Payments under provisional sums:**

"Provisional sum" means a sum included in the bill of quantities for the construction management services, execution of work, supply of goods/materials/ services or contingencies where the work items cannot be quantified accurately. The provisional sum amounts shall be included in the BOQ, by the **Engineer/Provincial Director** as per relevant assumptions on the matter and should be reasonable and justifiable respect to the site conditions and design requirements. This shall be executed in whole or in part or not at all at the direction and discretion of the Resident Engineer /Chief Engineer/Provincial Director. In case the provisional sum provided is not sufficient, funds allocated for contingencies item in the estimate shall be utilized to cover additional cost subject to the approval of the Provincial Director.

All such works, supplies, services or sub-contracts carried out by order of **Resident Engineer/Chief Engineer/Provincial Director** shall be valued at the relevant rates in the approved B.O.Q. or HSR if available. if the B.O.Q. or HSR does not contain any rates, then suitable S.S.RR or day works shall be agreed upon between Resident Engineer/Chief Engineer/Provincial Director and the contractor shall carry out work according to such approved S.S.RR.

20. Royalty/rental for materials mined:

Royalty/rental for approved borrow earth and aggregate materials mined from state land/private land shall be reimbursed **without overheads** to the contractor, on confirmation of the payment of royalty/rental by the Provincial Director of the relevant area where the mining is being executed. Royalty/rental rate shall not be more than the rate approved by the Government Agent/Divisional Secretary of the relevant area. In case the materials cannot be mined from state lands, government procurement procedure shall be followed as given in the General Notes **Clause No.18**.

21. Prior to preparation of the BOQ, suitable borrow pits shall be identified at locations as close as possible for economical transport and to the required quality, by the Resident Engineer/Chief Engineer//Provincial Director and transport distance shall be included accordingly in the BOQ and Estimates.

22. a. For any price variations other than works carried out on works orders, use the **ICTAD** formula guidelines and indices. **December 2023** shall be considered as the **base month** for computation of fluctuations. **However for contracts/work below Rs 2.0 million, payment on price variations shall not be considered.** Clause **22 b**, applies for works carried out on work orders.

b. If there is a change of ex-factory/manufacture's or ware- house price of different brands of cements, considered in the build-up of **basic price of cement** in the HSR, Director/ Provincial Director shall amend the basic price of cement after verification and pay on approved SSR. Similar procedure to be followed in case of **price changes in reinforcement steel & Bitumen**.

23. Transport

Note:

1. The rates for "transport" include all modes of transport up to a maximum distance of the stipulated range.

2. The most economical mode of transport shall be always adopted. In transporting materials (soil, sand, aggregate and rubble), if the average output of the transport vehicles cannot be achieved due to unavoidable delays or any other reason justifiable and acceptable to the **Chief Engineer/Provincial Director**. The rate of payment for transport shall be made under any relevant item selected from codes **T1-001 to T1-003b** irrespective of the type of vehicles to be used. However in case the quantity involved is more than 200 cu.m. per kilometer run and in situations other than stipulated in para above, the rate of payment for transport shall be selected from item codes **T1-006** or **T1-007** or **T1-007a** in the schedule whichever is relevant, For transport of plant made Premix, rate shall be as per item **T1-009**.

3. Transport of aggregate, soil, Emulsion and Premix materials **shall always be paid separately** unless otherwise directed.

4. Rate for rubble transport up to 3 km may be selected from item codes **T1-002** to **T1-003b** supported with justifiable reasons.

24. Excavation (S.S.C.M. 301 - 303)

Note:

1. a. Manual rates:

The rates given in this schedule if not otherwise stated are intended for manual excavation.

b. Bulk rate:

In the case of borrow earth supply where the estimated quantity **exceeds 200 cu. m** (for the whole project), the rates given under **B0-201, B0-202** or item codes **EW1-013 & EW1-014** shall be adopted. Similarly for Roadway **Excavations with quantities more than 200 cu.m.**, rates given under item codes **E1-027, E1-028** and **E1-029** shall be adopted. When deviation from above rates is necessary, payment shall be made on approved S.S.RR. Based on actual site records (machine hours) or on work-studies carried out under close supervision by the Engineer, after obtaining approval of the Technical Committee.

2. The rates include for excavation and loading or depositing up to 25 meters. Transport of excavated material more than 25 meters shall always be paid separately unless otherwise directed. In case of foundation excavation for structures, backfilling and compaction to be considered separately unless otherwise specified.

3. Foundation excavation shall be paid at the modified rate applicable to the item to cover up the additional excavation to maintain required slope and working space.

Modification factor for rates applicable to the item = $1+iH/L+iH/W$

Where, $i = 0.1$ for hard clay soil or similar soil, can be cut nearly vertical walls

$i = 0.2$ for sandy clay (SC)soil or similar soil, can be cut walls with a slope of about 15°

$H =$ Excavation depth of the foundation according to the approved drawing

W = Width of the excavation according to the approved drawing
L = Length of the excavation according to the approved drawing

Cost for additional excavations for shoring shall be considered separately.

4. Soils are generally classified as in the Standard Specifications. (S.S.C.M. 301.2)
5. Construction of cofferdams that are necessary shall be paid separately. (S.S.C.M. 302(6)). Rates under items **ST1-018, ST1-019 & ST1-020 are not applicable for bridge construction work**. For bridge works, it shall be payable on S.S.RR based on closely monitored work-studies or on day works at HSR/machine hours, depending on the site conditions.
6. De-watering necessary for cofferdams shall be paid separately. (S.S.C.M. 302(6)).
7. Rates under items **E1-011 to E1-019** are not applicable for the excavation for **foundations of bridge structures**. Payment for such excavations shall be made on approved S.S.RR based on closely monitored work-studies or on day works at HSR/machine hours, depending on the site conditions.
8. Trench excavation for utility services and reinstatement shall be according to S.S.C.M. 305 and shall be read in conjunction with the procedures to be followed by agencies when trenching highways. Under no circumstances pedestrians and traffic using the road shall be allowed to suffer or inconvenienced due to trenching work, adequate notice have to be given to the public and necessary safety precautions have to be taken in advance.

25. Aggregate/rubble (including loading & piling)

Note:

1. Except where otherwise stated, the rates include preparing depots, loading and piling.
2. The rates for items B0-302 to B0-313 include the cost of blasting materials.
3. In exceptional cases such as limestone, "dug out" aggregate, special rates for items B0-302 to B0-313 shall be approved by the Provincial Director.
4. Transport of aggregate and rubble not included in the rates shall be paid separately.
5. Blasting operations shall be carried out as recommended in S.S.C.M. 306 and all works in blasting operations shall conform to the guidelines given in the National Environmental Act No. 47 of 1980 and any subsequent amendments.
6. Prior approval shall be obtained from the Provincial Director for the use of 19 mm hand broken aggregate.

26. Earth filling & compaction (S.S.C.M. 304, 400 & 600)

Note:

1. Approved soil that is piled shall be spread, watered and well compacted by rolling as per Standard Specifications.
2. The rates for earth compaction include the cost of watering.
3. In the case of force account works, where the royalty or similar payments has to be paid for gravel, earth, clay, turf, etc., a claim shall be prepared separately for approval of the Provincial Director, subject to the conditions given under the **Clause 20 of the General Notes**. In case of works awarded on tender rates, the royalty is deemed to be included into the rates.
4. Rates given for the items EW1-003, EW1-004, EW1-005, EW1-006, EW1-007, EW1-008 and EW1-009 on loose volume are for the work where the % density is not specified. If the rates are to be decided on compacted volume basis, the rate for loose volume shall be adjusted by multiplying the specified factor corresponding to the required % density by the factor given in table below.

| % Density | Factor |
|--|---------------|
| 1. For standard density not less than 95 % | 1.35 |
| 2. For standard density not less than 100 % | 1.42 |

For rates on other densities, S.S.RR. should be approved by the Provincial Director.

5. Transport of water beyond 25 Meters shall be paid separately.
6. (i) The normal output of earth compaction per day will be 66 Cubic Meters using 8-10 ton Road Roller.
(ii) For earthworks in widening of existing roads where the average width is less than 1.5 meters, the output of earth compaction using 8-10 ton Roller shall be considered as 50 Cubic Meters per day.
7. Use of small compaction equipment shall be allowed only if the space is restricted for operating 10-ton Road Rollers or equivalent.

27. Rubble paving (rip rap protection - S.S.C.M. 804)

1. P1-001 to P1-004 does not include the cost of rubble, which shall be paid for separately. The coverage rates of paving are as follows:
 - (i) For pitch paving 225 mm thick 0.26 cu.m. of rubble per square Meter.
 - (ii) For pitch paving 150 mm thick 0.17 cu.m. of rubble per square Meter.
 - (iii) For flat paving 225 mm thick 0.21 cu.m. rubble per square Meter.
 - (iv) For flat paving 150 mm thick 0.15 cu.m. rubble for square Meter.
2. Rubble/rip rap paving shall be carried out to avoid damages by watercourses, slips, and slides to road embankments. Action shall be taken to include this item to routine/periodic maintenance flood damage items.

28. Aggregate Compaction (S.S.C.M. 403 - 408)

1. The normal coverage areas shall be as follows:
 - (i) For paved roads scarified for full width and for strip metaling 14.5 to 19.7 sq.m. shall be compacted with 1 cu.m. of new 50 mm aggregate.
 - (ii) For construction of new bases and for edge correction 100 sq.m. shall be compacted with 8.5 - 10.0 cu.m. of new 50 mm aggregate spread in two layers to 100 mm loose thickness.
2. Edge correction shall be 0.6 m (approx.) in width and edge strengthening shall be 1.2 m (approx.) in width, using 100, 50 & 19 mm aggregate conforming to S.S.C.M. 1103.
3. Strip metaling shall be considered only when the surface sections to be metaled are in narrow strips less than 1.2 m in width.
4. For construction of new bases, where aggregate compaction of the 19-mm and 50 mm is required 1.0 cu.m. of 19 mm aggregate is adequate for compacting with 10 cu.m. of 50 mm.
5. The normal quantities of aggregate that shall be compacted per day are as follows:
 - (i) For full width of paved road including scarifying and/or hand picking the surface will be, 12.75 cu.m. of new aggregate per day.
 - (ii) For construction of new bases, 23.5 cu.m. of new aggregate per day.
 - (iii) For strip or edge correction including loading scarifying and/or handpicking the surface, 9.90 cu.m per day.
6. The average rate of travelling of Oil/Diesel Roller is 20 km per day.
7. The rates for items M1-001, M1-004 & M1-007 to M1-013 include the necessary re-transport of aggregate and no further re-transport costs shall be paid.
8. The actual scarified area (which is not necessarily the Bitumen surfaced area) shall be paid for in items M1-002 & M1-003. Normally 0.3 m width (approx.) shall be reckoned as requiring scarifying for edge correction.
9. Tempering and sharpening of scarifier tines are included in the rates for item M1-003 and shall not be paid for separately.

10. The rates for aggregate compaction include the cost of watering.

11. Transport of water beyond 25 Meters shall be paid separately.

29. Road surface treatment (S.S.C.M. 501 - 507)

1. The various Grades of Bitumen generally used for road works shall be as stipulated in the standard specifications.
2. The rates for Bitumen in surfacing include cost of Bitumen firewood/fuel and blinding materials. Transport of blinding materials exceeding 16 km shall be paid for separately. One cu.m. of blinding material is allowable for 125 sq.m. of Bitumen surfacing.
3. The rates include the cost of internal transport of Bitumen up to 16 km from contractors yard.
4. Approved sand shall be used for blinding.
5. The aggregate quantities and binder required per sq. Meter of **D.B.S.T** or **S.B.S.T** work shall be as per the **tables 505-1 or 505-3 of the S.S.C.M.** depending on the method adopted. The application rates specified shall always be included in the description of the BOQ item for **D.B.S.T** or **S.B.S.T**.
6. In case of force account works, the Officer in-Charge shall study the average consumption per sq.m. obtained by dividing the actual quantity of Bitumen used, in liters, by the area treated in sq.m. for first/subsequent coat Bitumen surfacing. The Engineer approving the item shall, after satisfying himself that the quantities claimed are reasonable and within the limits specified in the HSR, approve the quantities accounted for. If the quantities are outside the specified limits, the approval of the Provincial Director should be obtained.
7. Cost of Binder and cover aggregate for seal coat treatment work shall be paid separately **only if specified**.
8. The basic rates for the Asphalt Concrete items **B0-361A, B0-362 and B0-362A** have been worked out taking 60/70 Penetration grade bitumen as the binder. For item **B0-365**, it is worked out with Cut-Back of 60/70 penetration grade Bitumen and for item **B0-366**, it is Bitumen Emulsion CSS-1.% Binder content used for different types of Asphalt Concrete is based on generally accepted mix designs specific to the plant location recommended by the R&D division of the RDA.

Different Bitumen penetration grades and or different binder contents may be specified for the asphalt concrete mixes for special cases. Then approved binder Type and the content as a % shall be included in the description of the item in such variations.

9. (i) **Densities of Asphalt Premix in compacted state** for general estimation purposes shall be as follows.

- a. **Wearing Course 2.450 m.t. per cu.m.**
- b. **Binder Course 2.430 m.t. per cu.m.**

For actual payments, design densities shall be adopted.

(ii) Average density of Asphalt Premix in loose state shall be assumed as **1.48 m.ton per cu.m.**

10. The quantity of aggregate necessary for the production of 1 metric ton of Asphalt Premix (average for all six types considered in the HSR) by plant shall be taken as **0.6270 cubic meters**.
11. The transport of aggregate for the production of Premix shall be paid separately and shall be decided according to the location of the mixing plant.
12. The transport of Emulsion CSS-1 for the production of cold mix by plant shall be added to the rate per metric ton and shall be decided according to the location of the mixing plant. 59.17 liters of Emulsion CSS-1 are required for each metric ton of cold mix.

30. Road surface maintenance (S.S.C.M. 1100 - 1102)

1. Where method of patching per half a kilometer is adopted, the quantity of Bitumen per half a kilometer per month approved in the routine Maintenance Estimates, may be increased or decreased when necessary. But the rate payable to the contractor for the monthly maintenance of the road surface per half kilometer shall be the rate approved for that half kilometer by the Chief Engineer at the commencement of the Financial Year. The actual rate payable for patching with Bitumen will be according to the appropriate items.

2. All roads/sections of roads in the district for which 14, 21, 28, etc. liters per half kilometer per month have been approved shall be listed under groups 1,2, 3, etc., respectively in a schedule of roads, which will be approved by Chief Engineer, and shall become an attachment of the HSR after **Section xiv**.
3. If during the course of the year, there is considerable variation between the estimated quantity of Bitumen per half a kilometer per month and quantity actually used in respect of any road or section of road, the Executive Engineer will examine the reasons therefore and seek the Chief Engineer's approval to amend the rate payable for Bitumen patching of that road or section of road during the same and/or subsequent Financial Year and amend the schedule referred to in **General Note 30 Item 2.**, above.
4. The prior approval of the Chief Engineer should be obtained for extensive patching. Where extensive patching is carried out, no payment should be made for normal patching on the same half kilometer in the same month.

31. Patch sealing :(S.S.C.M. 1104)

Where the road surface shows signs of deficiency of Bitumen and pitted with numerous potholes, patch sealing shall be adopted.

32. Road side and drainage systems (S.S.C.M. 701 - 707, 1302)

1. The rates exclude the cost of loading, unloading and transporting but include spreading suitably in the vicinity unless otherwise directed.
2. Culvert inlets and outlets should be cleaned before and after the rains.
3. For cleaning choked culverts (item DR1-012) with head room/diameter less than 1 meter, day works rates shall be adopted.
4. Drains should be cleared before commencing any types of surfacing (S.S.C.M. 501 - 507).

33. Bridges, culverts, retaining walls, etc. (S.S.C.M. 1001 - 1010)

Note:

1. Concrete work

- i. The cost of shuttering is not included in the rates, and shall be paid separately.
- ii. The cost of hire charge for concrete mixer is included in the rates for concrete 'using mixers'.
- iii. Construction of necessary cofferdams, shoring, forming islands and de-watering shall be paid separately.
- iv. For all concrete with 19mm aggregate, crusher plant materials shall be used unless otherwise directed.
2. Only sand of approved quality shall be used for cement mixes, mortars & concretes.
3. The rates include the cost of transport up to 25 meters on level ground in the relevant items. Any vertical transport required in excess of first 1.5 meters upwards or down wards shall be separately considered.
4. Transport of water beyond 25 meters shall be paid separately.
5. Extra payment for scaffolding/staging where necessary is allowable if not included in the rate.
6. To obtain the nominal mix of cement concrete 1:2:4 (19mm); batching of materials in the field under average conditions will be in the proportions 1:2 1/2:4 by volume. Cement concrete 1:3:6 (37.5 mm) and cement concrete 1:4:8 (50mm) may continue to be batched by volume in the specified nominal proportions; cement should be by bags of 50 kg. and bags shall be deemed to be 0.035 cu. m. in volume.
7. The quantities of the various materials for cement concrete and cement mortars required to yield an average workable mix shall be as follows.

| Description | Proportion [nominal mix] or Grade | Yield Unit | Cement in 50 kg | Sand (cu.m) | Aggregate /rubble (cu.m) |
|---|-----------------------------------|------------|-----------------|-------------|--------------------------|
| 1. Cement concrete | g 40(19 mm) | cu.m | 9.87* | 0.6* | 0.91* |
| 2. Cement concrete | g 30(19 mm) | cu.m | 8.17* | 0.6* | 0.90* |
| 3. Cement concrete | g 25(19 mm) | cu.m | 6.35* | 0.6* | 0.90* |
| 4. Cement concrete | g 25(37.5mm+19mm) 70% 30% | cu.m | 5.86* | 0.6* | 37.5=0.54* 19.0=0.24* |
| 5. Cement concrete | g 20(19 mm) | cu.m | 6.04* | 0.53* | 0.79* |
| 6. Cement concrete | 1:1½ :3(19 mm) | cu.m | 8.12 | 0.60 | 0.91 |
| 7. Cement concrete | 1:2:4 (19 mm) | cu.m | 5.65 | 0.60 | 0.90 |
| 8. Cement concrete | 1:2:4 (37.5 mm) | cu.m | 5.65 | 0.60 | 1.00 |
| 9. Cement concrete | 1:3:6 (19 mm) | cu.m | 4.38 | 0.60 | 0.91 |
| 10. Cement concrete | 1:3:6(37.5 mm) | cu.m | 4.38 | 0.60 | 1.00 |
| 11. Cement concrete | 1:4:8(50 mm) | cu.m | 3.18 | 0.60 | 1.00 |
| 12. 12.5mm Cement render | 1:2 mix | sq.m | 0.15# | 0.013 | - |
| 13. 19.0mm Cement render | 1:2 mix | sq.m | 0.23# | 0.020 | - |
| 14. 12.5mm Cement render | 1:3 mix | sq.m | 0.12# | 0.016 | - |
| 15. 19.0mm Cement render | 1:3 mix | sq.m | 0.19# | 0.024 | - |
| 16. Random Rubble masonry in cement/sand mortar | 1:6 mix | cu.m | 1.77 | 0.40 | 1.10 |

In items 12 - 15 the cement quantity is exclusive of that required for smoothing where necessary.

* The above mix proportions for Grade concrete are given for estimation purposes. The actual proportions for Grade concrete shall be decided by mix designs at site and the rates shall be adjusted with the approval of the Provincial Director.

8. Ready mixed concrete:

Ready mix concrete shall be used only on the written approval of the Director/Provincial Director and for the procurement of the material government tender procedure as given under **General Notes Clause No. 18** to be followed. The contractor for ready mix concrete shall be a copious supplier having minimum of one year experience of supplying ready mix concrete to projects acceptable to the tender board and shall have sufficient transport & pumping facilities, laboratory facilities for quality control and a qualified staff.

9. Wedge stones shall mean stones that are wedged and squared on one face and roughly dressed on the other five faces to enable them to be laid in courses.

10. Wearing surface for R.C.C/P.C.C decking (S.S.C.M. 1403)

Generally for 74.5 sq.m. of **50 mm. thick compacted wearing surface**, the quantities of material required will be 3.5 cu.m. 19 mm to 3.2 mm. Graded aggregate, 2.3 cu.m. sand and 381 liters Bitumen and 91 liters of kerosene. If Emulsion is used, the quantity of material required is 500 liters of Emulsion and 273 liters of water.

11. Concrete pipe culverts (S.S.C.M. 1403)

i. The diameter of pipes indicated refers to the internal diameter.

ii. The rates include the cost of pipe, collars, rolling up to a distance of 25 m & lowering to bed up to 1.8 Meter depth, aligning and fixing.

iii. Excavation and backfilling of trench is not included in the rates unless otherwise mentioned.

34. Labour, plant and materials

1. All labour, plant, equipment and materials have to be provided by the contractor.
2. **The Engineer should maintain performance records of all types of machinery for future reference.**

35. Day works

1. **Day works shall be defined and adopted by the Engineer under exceptional circumstances.**
2. Labour rates fixed under **section xiv of the HSR (Surveying, Leveling and Day works)** shall be used in pricing day works. **In cases of very special labour**, such as skin divers etc., procurement of same shall be as per **General Notes clause 18**.
3. Rate for materials in day works shall be the **purchase price subject to the condition that procurement of same is done as per General Notes Clause No.18**.
4. It is necessary that **appropriate plant is used and works are programmed to minimize the costs to the satisfaction of the Engineer.**

36. Maintenance of road signs and markings: (S.S.C.M. 1501-1502)

All traffic signs, kerbs , parapets, guardrails, barricading and k.m. posts should be painted at least once a year unless otherwise directed by the Engineer.

37. Quality control work: (S.S.C.M. 1600)

- a. **The Engineer is responsible for carrying out tests on all works before recommending for payments and maintenance of records. In case of dispute, it may be referred to Provincial Director. /Director (R & D) for a final decision. (S.S.C.M. 1602)**
- b. **Special attention should be made to control the alignment, thickness and surface regularities of pavement layers as per section 1601 of the S.S.C.M. using geodetic levels, camber boards and 3-Meter straight edges.**

38. Piece rates and allowances:

The amounts allowed for the items under "piece rates and allowances" are the anticipated basic costs to cover the expenses to be incurred, during the execution of the work.

39. Labour Inputs

The labour inputs shown against the work items in this schedule do not include the Plant and Equipment Operator costs which are deemed to have been covered under the hire charges of the Plant and Equipment.

40. HSR Analysis is for internal use only. It cannot be produced in Court of Law as reference/authority and thus is a privilege document.

HSR - 2024
Engineering Division
Ministry of Transport and Highways

H.S.R. - SCHEDULE OF INPUTS FOR THE YEAR 2024
BADULLA DISTRICT

| <u>CODE</u> | | <u>UNIT</u> | <u>PRICE(RS.)</u> |
|-----------------------------|---|-------------|-------------------|
| LABOUR RATES (BASIC) | | | |
| B0-001 | SKILLED A - (SK 'A') * (Welders, Electricians, Carpenters, Masons, Miners, Painters. Hvy/Mach Operators, Ch.Hand) | DAY (8 HRS) | 3,100.00 |
| B0-002 | SKILLED B - (SK 'B') | DAY (8 HRS) | 2,800.00 |
| B0-003 | SEMI SKILLED - (S/SK) | DAY (8 HRS) | 2,300.00 |
| B0-004 | UNSKILLED - (U/SK) | DAY (8 HRS) | 2,250.00 |

* **Note:** For works under Force Account **in exceptional cases, Sk'A' labour** at higher rates than above may be engaged on **adhoc basis** with **DG/RDA's prior approval**. See General Notes **Section 6**.

HIRE CHARGES (WET LEASE BASIS - INCLUDING OPERATOR UNLESS OTHERWISE SPECIALLY MENTIONED)

| | | | |
|---------|--|------------|-----------|
| B0-101 | TAR BOILER(HEATING WITH FIREWOOD)(Less Operator)# | DAY | 100.00 |
| B0-102 | CONCRETE / ASPHALT MIXER (400 LTRS) | DAY | 8,583.62 |
| B0-103 | BITUMEN SPRAYER (Less Operator)# | DAY | 110.00 |
| B0-104 | WATER TANK + 50 MM. PUMP(Less Operator) # | DAY | 3,725.96 |
| B0-105 | WELDING PLANT ENGIN DRIVEN: WITH WELDER | DAY | 15,812.80 |
| B0-106 | PORKER VIBRATER (Less Operator) | DAY | 2,223.09 |
| B0-107 | PLATE COMPACTOR (90 KG)(Less Operator) | DAY | 4,208.09 |
| B0-108 | VIBRATING RAMMER (60 KG)(Less Operator) | DAY | 4,046.99 |
| B0-109 | VIBRATING ROLLER (1/2 - 1 Ton) | DAY | 9,100.21 |
| B0-110 | VIBRATING ROLLER (SMOOTH-10 TONS) | DAY | 35,810.63 |
| B0-111 | SMOOTH/ROAD ROLLER (8 -10 TONS:STATIC) | DAY | 19,579.80 |
| B0-112 | PNEUMATIC ROAD ROLLER (8 - 10 TONS) | HOURL | 7,365.97 |
| B0-113 | MOTOR GRADER (65 HP) | DAY | 29,859.06 |
| B0-114 | MOTOR GRADER (120 -140 HP) | DAY | 45,775.57 |
| B0-115 | BACKHOE LOADER (JCB) | DAY | 34,514.65 |
| B0-116 | WHEEL LOADER (1.4 CU,M) | DAY | 35,731.42 |
| B0-116A | WHEEL LOADER (1.7 CU,M) | DAY | 36,941.45 |
| B0-117 | TRACTOR & TRAILOR (3T) | DAY | 10,684.90 |
| B0-118 | MATERIAL TRANSPORT BY LORRY/TIPPER/DT (EXCEEDING 10 KM DISTANCES). | KM/CU.M. | 55.53 |
| B0-119 | -Do- BY LORRY/TIPPER/DT ((FOR MORE THAN 3 KM LESS THAN 10 KM. DISTANCES) | KM/CU.M. | 56.78 |
| B0-120 | TRANSPORT OF PREMIX BY DUMP TRUCK | KM/M.TONNE | 37.94 |
| B0-121 | SAND/CHIP SPREADER - PROPELLED | DAY | 45,022.79 |
| B0-121A | SAND/CHIP SPREADER - TOWED | DAY | 2,908.02 |
| B0-122 | FARM TRACTOR & BROOM | DAY | 12,496.17 |
| B0-123 | EMULSION SPRAYER SELF PROP. (4000 LITRES) | DAY | 29,046.35 |
| B0-124 | WHEEL LOADER (2.7 - 3.1 CU.M) | DAY | 50,265.25 |
| B0-124A | WHEEL LOADER (2.0 - 2.3 CU.M) | DAY | 40,571.53 |
| B0-125 | LORRY 3 TON(2.5 CU.M) * | KM | 126.28 |
| B0-126 | LORRY 5 TON(3.5 CU.M) * | KM | 153.04 |
| B0-127 | LORRY 7 TON(4.5 CU.M) * | KM | 180.93 |
| B0-128 | WATER BOWSER (6000 LITRES) | DAY | 24,735.17 |
| B0-129 | ASPHALT PAVER (Crawler) | HOURL | 11,124.35 |
| B0-129A | ASPHALT PAVER (Wheel) | HOURL | 11,318.41 |
| B0-130 | TANKER ONLY(20,000 LITRES) | HOURL | 240.84 |
| B0-130A | LOW BED TRAILER 30 TONS * | KM | 82.05 |
| B0-131 | PRIME MOVER OLD (FOR 20,000 L TANKER) | HOURL | 10,035.49 |
| B0-131A | PRIME MOVER NEW (FOR 30 T TRAILER) TIME BASIS | HOURL | 10,035.49 |
| B0-131B | PRIME MOVER NEW (FOR 30 TON TRAILER) DISTANCE BASIS * | KM | 456.16 |
| B0-132 | BABY DUMPER .75 cu.m (less Operator) | HOURL | 1,963.00 |
| B0-133 | WATER PUMP 4" | HOURL | 1,874.49 |
| B0-133A | WATER PUMP 2" (less Operator) | HOURL | 887.49 |
| B0-134 | SLUDGE PUMP 4" | HOURL | 2,541.75 |
| B0-135 | VIBRATING ROLLER (6 -7 TONS) TANDEM | HOURL | 3,770.57 |
| B0-136 | CONCRETE MIXER WITH LOAD CELL WEIGH BATCHER 14/10 | DAY | 13,132.37 |
| B0-137 | TROLLEY EMULSION (less Operator) | HOURL | 104.48 |
| B0-138 | SPRAYER EMULSION HAND CART | HOURL | 1,283.61 |
| B0-139 | ROAD MARKER HAND CART GAS HEATER | HOURL | 1,628.46 |
| B0-140 | BITUMEN DISTRIBUTOR 750 LITRES | HOURL | 2,418.08 |
| B0-141 | TANK TRUCK BITUMEN 10000 LTR | HOURL | 6,462.50 |
| B0-142 | CRUSHER STONE 40T/H | HOURL | 19,617.91 |
| B0-143 | TRACK DRILL CRAWLER | HOURL | 2,521.36 |
| B0-144 | COMPRESSOR AIR 750 CFM | HOURL | 11,110.91 |
| B0-145 | SLURRY SEALING MACHINE | HOURL | 18,236.38 |
| B0-146 | MOBILE CRANE 25 TONS | HOURL | 11,293.55 |
| B0-146A | MOBILE CRANE 30 TONS | HOURL | 14,916.96 |
| B0-147 | ASPHALT PLANT 60T/H HOT MIX | HOURL | 30,970.89 |
| B0-147A | COLD MIX PLANT 30 T/H | HOURL | 18,090.90 |
| B0-148 | LORRY 10 TON * | KM | 243.05 |
| B0-149 | ITEM DELETED | | |
| B0-150 | FARM TRACTOR WITH WATER BOWSER | HOURL | 1,781.22 |
| B0-151 | LORRY 17 TON SELF LOADING, WITH 10T CRANE - BOOM TRUCK (WET) * | KM | 320.19 |
| B0-151A | LORRY 17 TON SELF LOADING, WITH 10T CRANE - BOOM TRUCK (WET) * | HOURL | 5,260.43 |

H.S.R. - SCHEDULE OF INPUTS FOR THE YEAR 2024
BADULLA DISTRICT

| <u>CODE</u> | | <u>UNIT</u> | <u>PRICE(RS.)</u> |
|--|--|-------------|-------------------|
| HIRE CHARGES (WET LEASE BASIS - INCLUDING OPERATOR UNLESS OTHERWISE SPECIALLY MENTIONED) (Continued) | | | |
| B0-152 | TRACTOR WITH EMULSION BOWSER | HOUR | 1,781.22 |
| B0-153 | EMULSION TANK TRUCK (8000 LITRES) * | KM | 248.25 |
| B0-154 | DOZER(CRAWLER TRACTOR) D-4,D-41(80-100 HP) | HOUR | 7,741.10 |
| B0-155 | EXCAVATOR MOBILE | HOUR | 11,433.47 |
| B0-156 | AIR COMPRESSOR 250 CFM | HOUR | 6,972.89 |
| B0-157 | HAND HELD BREAKER / DEMOLISHER) (Less Operator) | DAY | 679.05 |
| B0-158 | ROCK DRILL HAND HELD (LESS DRILL STEEL) | HOUR | 494.41 |
| B0-159 | TRUCK SNOOPER 750 KG (SKY LIFT) | HOUR | 6,133.95 |
| B0-160 | CHAINSAW (less Operator DRY LEASE) | DAY | 3,500.00 |
| B0-161 | CHAINSAW (less Operator) | DAY | 7,000.00 |
| B0-162 | ASPHALT CUTTER (with cutting blade) | HOUR | 3,750.00 |
| Note: | * Cost of return trip not considered under this rate | | |
| | * Above rates are generated based on the latest fuel costs (Petrol = Rs. 371.00, Diesel = Rs. 363.00). These rates should be adjusted when the costs of fuel changed. See General Notes for further details. | | |
| SUPPLY OF SOIL FROM BORROW PITS INCLUDING LOADING.(FOR QUANTITIES MORE THAN 200 CU.M.) | | | |
| | * SEE GENERAL NOTES FOR FURTHER DETAILS ON USING THIS RATE | | |
| Note: | If the items from B0-201 to B0-332 are transported outside the district, the rates given for the specific district shall be used. | | |
| B0-201 | APPROVED SOIL TYPE I & II FOR SUB BASES & SHOULDERS | CU.M | 1,060.07 |
| B0-202 | APPROVED SOIL TYPE I & II FOR EMBANKMENTS | CU.M | 706.71 |
| AGGREGATE & RUBBLE (EX-QUARRY - BASIC) INCLUDING BLASTING, LOADING & PILING | | | |
| (ROYALTY / RENTAL TO BE ADDED SEPARATELY IN THE BOQ WITHOUT ADDING OVERHEADS, IF REQUIRED TO BE REIMBURSED.) | | | |
| B0-301 | (150MM - 225MM) RUBBLE - (VEHICLE MEASUREMENT, EXCLUDING PILING) | CU.M | 2,473.50 |
| B0-302 | (150MM - 225MM) RUBBLE PILED | CU.M | 2,890.00 |
| MANUAL PRODUCTION | | | |
| B0-303 | (100MM) AGGREGATE | CU.M | 2,826.86 |
| B0-304 | (75MM) AGGREGATE | CU.M | 2,826.86 |
| B0-305 | (50MM) AGGREGATE | CU.M | 2,826.86 |
| PLANT PRODUCTION | | | |
| B0-308A | (19MM) AGGREGATE | CU.M | 3,533.57 |
| B0-309 | (12.5MM) AGGREGATE | CU.M | 2,950.45 |
| B0-310 | (37.5MM) - DO - , (S.S.C.M. TB : 1701-1 / 1701-4) | CU.M | 2,826.86 |
| B0-311 | (50MM) - DO - , (S.S.C.M. TB : 1701-4) | CU.M | 2,120.14 |
| B0-312 | CRUSHER FINES (6.3MM. DOWN WARDS) | CU.M | 1,943.46 |
| B0-313 | (37.5MM) GRADED (TABLE 1701.5 FOR ABC) | CU.M | 2,296.82 |
| AGGREGATE FOR SEAL COAT TREATMENTS | | | |
| (GRADING AS PER SSCM TABLE 1701-8) | | | |
| B0-314 | AGGREGATE 19 MM | CU.M | 3,533.57 |
| B0-315 | AGGREGATE 12.5 MM | CU.M | 2,950.45 |
| B0-316 | AGGREGATE 9.5 MM | CU.M | 2,950.45 |
| SAND (RATE TO INCLUDE TRANSPORT UP TO 16 KM.) (ADDITIONAL TRANSPORT TO BE PAID SEPARATELY) | | | |
| B0-331 | RIVER SAND FOR ROAD SURFACE APPLICATIONS (SSCM TABLE 1701-9) | CU.M | 3,995.17 |
| B0-332 | RIVER SAND FOR CONCRETE AND MASONRY WORK (SSCM TABLE 1701-2) | CU.M | 3,995.17 |
| BRICKS (WITHOUT TRANSPORT) | | | |
| B0-340 | COMMON BURNT CLAY BUILDING BRICKS (SLS 39:1978) | 1000 NOS. | 19,000.00 |

H.S.R. - SCHEDULE OF INPUTS FOR THE YEAR 2024
BADULLA DISTRICT

| <u>CODE</u> | | <u>UNIT</u> | <u>PRICE(RS.)</u> |
|-------------------------------------|--|-------------|-------------------|
| BITUMEN & EMULSION | | | |
| (TRANSPORT TO BE ADDED SEPARATELY) | | | |
| B0-351 | BITUMEN 80/100 *[DRUMS] (Purchases>25 drums) | LITRE | 188.89 |
| B0-351A | BITUMEN 60/70[DRUMS] (Purchases>25 drums) | LITRE | 188.89 |
| B0-352 | EMULSION - C.S.S. 1* (EXCLUDING TRANSP.) | LITRE | 149.00 |
| B0-353 | EMULSION - C.R.S. 1* (EXCLUDING TRANSP.) | LITRE | 149.00 |
| B0-354 | EMULSION - C.R.S. 2 * (EXCLUDING TRANSP.) | LITRE | 154.00 |
| B0-355 | BITUMEN 80/100 * [BULK] [with De-cant cost] | KG | 179.50 |
| B0-355A | BITUMEN 60/70 [BULK][with De-cant cost] | KG | 179.50 |
| B0-355B | BITUMEN 80/100* [BULK] | KG | 175.83 |
| B0-355C | BITUMEN 60/70 [BULK] | KG | 175.83 |
| B0-356 | CUTBACK BITUMEN- MC-30 | LITRE | 261.33 |
| B0-357 | POLYMER MODIFIED BITUMEN (PG 76-10) | LITRE | 260.00 |
| B0-358 | POLYMER MODIFIED BITUMEN EMULSION | LITRE | 275.00 |
| B0-359 | DELETED | | |

PREMIXED BITUMINOUS MATERIALS
(PRICE INCLUSIVE OF ALL RAW MATERIAL TRANSPORT AND ROYALTY ON AGGREGATE)

BINDER CONTENT IS TO BE DECIDED ACCORDING TO THE JOB MIX FORMULA OF THE PLANT AND ADDED TO THE 361B AND 362B RATE.

(FOR PROJECT USE)-

| | | | |
|---------|--|-------|-----------|
| B0-361A | ASPHALT CONCRETE: SURFACING MATERIAL- BINDER 60/70 BITUMEN @ 4.7% OF MIX | M.TON | 17,207.00 |
| B0-361B | ASPHALT CONCRETE: SURFACING MATERIAL- without adding BINDER | M.TON | 8,107.00 |
| B0-362 | ASPHALT/BITUMEN: BOUND BASE MATERIAL- BINDER 60/70 BITUMEN @ 3.4% OF MIX | M.TON | 14,739.00 |
| B0-362A | ASPHALT CONCRETE: BINDER COURSE MATERIAL- BINDER 60/70 BITUMEN @ 4.1% OF MIX | M.TON | 16,150.00 |
| B0-362B | ASPHALT CONCRETE: BINDER COURSE MATERIAL- without adding BINDER | M.TON | 8,244.00 |

(FOR PROJECTS & MAINTENANCE)-

| | | | |
|---------|---|-------|-----------|
| B0-365 | CUT BACK ASPHALT-AGGREGATE COLD MIX WITH 15% CUT BACK 60/70 @ 5.5% OF MIX (19 mm) | M.TON | 19,432.00 |
| B0-365A | CUT BACK ASPHALT-AGGREGATE COLD MIX WITH 16% CUT BACK 60/70 @ 5.5% OF MIX (12.5 mm) | M.TON | 19,362.00 |
| B0-366 | EMULSIFIED ASPHALT AGGREGATE COLD MIX WITH EMULTION CSS1 @ 6.67% OF AGGREGATE | M.TON | 13,779.00 |
| B0-366A | EMULSIFIED ASPHALT AGGREGATE COLD MIX WITH EMULTION CSS1 @ 5.9% OF MIX (12.5 MM 45% AND QUARRY DUST 55% OF AGGREGATE) | M.TON | 13,546.00 |

NOTE: 1. EMULSIFIED ASPHALT AGGREGATE COLD MIX WITH EMULTION CSS1 @ 6.67% OF AGGREGATE
2. TRANSPORT COST FROM PLANT TO THE LAYING SITE TO BE PAID SEPARATELY.

*** WHEN ASPHALT PLANTS ARE NOT AVAILABLE WITHIN THE DISTRICT, USE EX PLANT BASIC PRICES SELECTED FROM THE TABLE GIVEN IN ANNEX I, RELEVANT TO THE MIXING PLANT CLOSEST TO THE SITE, DEPENDING ON THE AVAILABILITY OF THE REQUIRED TYPE AND THE MOST ECONOMICAL RATE WITH TRANSPORT.**

READY-MIX CONCRETE (EXCLUDING HANDLING COST)

| | | | |
|--------|------------------------------|------|---|
| B0-380 | GRADE 15 / 20 / 120mm | CU.M | - |
| B0-381 | GRADE 20 / 20 / 120mm | CU.M | - |
| B0-382 | GRADE 25 / 20 / 120mm | CU.M | - |
| B0-383 | GRADE 30 / 20 / 120mm | CU.M | - |
| B0-384 | GRADE 35 / 20 / 120mm | CU.M | - |
| B0-385 | GRADE 40 / 20 / 120mm | CU.M | - |

NOTE: 1. ABOVE RATES ARE CONSIDERED WITHIN 15KM FOR 120MM SLUMP AT SITE

2. NOMINAL AGGREGATE SIZE 20MM

3. IF THE RATES ARE NOT PUBLISHED FOR READY MIX CONCRETE, MINIMUM RATE BY CONSIDERING INSITU CONCRETE RATE AND QUOTATIONS SHALL BE USED.

| | | | |
|--------|---|---------|----------|
| B0-386 | TRANSPORT OF READY MIX CONCRETE MORE THAN 15 KM RADIUS FROM THE PLANT | CU.M/KM | 180.00 |
| B0-387 | PLACING OF CONCRETE BY USING PUMP CAR (ALL INCLUSIVE) | CU.M | 1,500.00 |
| B0-388 | TRANSPORT OF PUMP CAR TO THE SITE | KM | 350.00 |

TIMBER & FIREWOOD (INCLUDING TRANSPORT COST)

| | | | |
|--------|---|-----------|----------|
| B0-391 | SAWN TIMBER CLASS 1 (LOCAL) | CU.DECI.M | 252.70 |
| B0-392 | SAWN TIMBER CLASS 2 (LOCAL) | CU.DECI.M | 114.70 |
| B0-393 | TIMBER ROUND JUNGLE - 100 MM (MINIMUM) TO 150 MM DIAMETER | METRE | 128.00 |
| B0-394 | TIMBER ROUND JUNGLE - 150 MM (MINIMUM) TO 200 MM DIAMETER | METRE | 125.00 |
| B0-395 | FIREWOOD | CU.M | 2,790.10 |
| B0-396 | PLYWOOD(MR) FOR FORMWORK - 15 MM THICK | SQ.M | 1,922.40 |
| B0-397 | BAMBOO TREE LENGTH GREATER THAN 8 METERS | NO. | 555.00 |

CEMENT (INCLUDING TRANSPORT COST)

| | | | |
|--------|-------------------------------|-------------|----------|
| B0-401 | PORTLAND CEMENT(FOR ALL WORK) | BAG (50.Kg) | 1,844.00 |
|--------|-------------------------------|-------------|----------|

STEEL AND STEEL ITEMS
(INCLUDING TRANSPORT COST)

| | | | |
|---------|---|----------|----------|
| B0-411 | MILD STEEL | KG | 288.38 |
| B0-411A | TOR STEEL | KG | 297.30 |
| B0-431 | BINDING WIRE | KG | 379.70 |
| B0-432 | WIRE NAILS, M.S.BOLTS & NUTS | KG | 383.80 |
| B0-433 | STAINLESS STEEL 20 MM DIA.(FOR DOWELS) | METER | 1,962.65 |
| B0-434 | GI PIPES, 50 MM DIAMETER: HEAVY DUTY TYPE | METER | 3,420.85 |
| B0-435 | M.S. SHEET, 2 MM THICK | SQ.METRE | 5,735.50 |

H.S.R. - SCHEDULE OF INPUTS FOR THE YEAR 2024
BADULLA DISTRICT

| <u>CODE</u> | | <u>UNIT</u> | <u>PRICE(RS.)</u> |
|--|--|----------------------|-------------------|
| PRECAST CONCRETE ITEMS | | | |
| EX - FACTORY: AVERAGE PRICE EXCLUDING VAT | | | |
| REINFORCED CONCRETE PIPES & COLLARS | | | |
| | DIAMETER (M.M) | LENGTH (M.M) | |
| | ----- | ----- | |
| | PIPES | | |
| B0-441 | 153 (6") | 2438 (8') | 01 NO. 7,800.00 |
| B0-442 | 229 (9") | 2438 (8') | 01 NO. 9,500.00 |
| B0-443 | 305 (12") | 2438 (8') | 01 NO. 9,000.00 |
| B0-444 | 450 (1' 6") | 2438 (8') | 01 NO. 17,250.00 |
| B0-445 | 610 (2' 0") | 2438 (8') | 01 NO. 28,200.00 |
| B0-446 | 914 (3' 0") | 1219 (4') | 01 NO. 21,050.00 |
| B0-446A | 914 (3' 0") | 2438 (8') | 01 NO. 42,100.00 |
| B0-447 | 1219 (4' 0") | 1219 (4') | 01 NO. 33,300.00 |
| B0-447A | 1219 (4' 0") | 2438 (8') | 01 NO. 66,600.00 |
| | COLLARS | | |
| B0-441B | 153 (6") | | 01 NO. 1,200.00 |
| B0-442B | 229 (9") | | 01 NO. 1,400.00 |
| B0-443B | 305 (12") | | 01 NO. 1,900.00 |
| B0-444B | 450 (1' 6") | | 01 NO. 2,250.00 |
| B0-445B | 610 (2' 0") | | 01 NO. 2,900.00 |
| B0-446B | 914 (3' 0") | | 01 NO. 3,800.00 |
| B0-447B | 1219 (4' 0") | | 01 NO. 4,500.00 |
| PRECAST CONCRETE ITEMS | | | |
| B0-448 | STD ROAD KERB 125X250X900 G25 CONCRETE | | 01 NO. 1,750.00 |
| B0-449 | PAVING SLAB 450X450X50 MM G20 WITH R/F CONCRETE | | 01 NO. 975.00 |
| B0-449A | PAVING SLAB 450X450X50 MM G20 CONCRETE | | 01 NO. 625.00 |
| B0-450 | BRIDGE KERB 915 | | 01 NO. 3,475.00 |
| B0-451 | STD. UPRIGHTS FOR BRIDGES (NEW DESIGN) | | 01 NO. 4,100.00 |
| B0-452 | STD. HAND RAILS FOR BRIDGES (NEW DESIGN) | | 01 NO. 3,900.00 |
| B0-453 | COUPLING PAIRS FOR HAND RAILS | | 01 PAIR. 1,700.00 |
| B0-454 | RAIN WATER CHANNELS 609 MM LONG | | 01 NO. 2,000.00 |
| B0-455 | CEMENT SAND HOLLOW BLOCK 16"x8"x4" | | 01 NO. 65.00 |
| B0-456 | FACIA SLAB 4' X 2' | | 01 NO. 3,600.00 |
| B0-457 | GUARD STONES (STANDARD) | | 01 NO. 4,300.00 |
| B0-458 | KILOMETER POST (STANDARD) | | 01 NO. 10,000.00 |
| B0-459 | BOUNDARY MARKER (STANDARD) | | 01 NO. 4,600.00 |
| B0-460 | G25 CONCRETE PAVING BLOCK (220mm × 110mm × 80mm) | | 01 NO. 55.00 |
| B0-461 | G40 CONCRETE PAVING BLOCK (220mm × 110mm × 80mm) | | 01 NO. 64.50 |
| BLASTING MATERIALS (INCLUDING TRANSPORT COST) | | | |
| B0-501 | BLASTING POWDER | KG. | 2,054.30 |
| B0-502 | FUSE WIRE | M. | 830.90 |
| B0-503 | STEEL, JUMPER | KG. | 699.55 |
| B0-504 | ELECTRIC DETONATORS | NO. | 165.30 |
| B0-505 | DYNA CORD | M. | 77.20 |
| B0-506 | WATER GEL | KG. | 3,722.90 |
| B0-507 | AMMONIUM NITRATE | KG. | 1,404.00 |
| B0-508 | ORDINARY DETONATOR | NO. | 12.00 |
| B0-509 | CRACKING POWDER | KG. | 183.35 |
| PAINTS (INCLUDING TRANSPORT COST) | | | |
| B0-531 | BITUMINOUS EMULSION PAINT(CRS-2) | LITRE | 154.00 |
| B0-534 | GLUE | KG | 615.00 |
| B0-537 | LIME - BOILED | KG | 34.85 |
| B0-541 | PAINT-ENAMEL | LITRE | 1,462.40 |
| B0-542 | PAINT - ANTI COROSIVE | LITRE | 1,366.55 |
| B0-543 | DELETED | | - |
| B0-544 | PAINT - EMULSION | LITRE | 869.00 |
| B0-545 | RUST REMOVER | LITRE | 3,398.73 |
| B0-546 | EMULSION FOR EXTERIOR USE (WEATHERSHIELD) | LITRE | 974.58 |
| B0-547 | ROAD MARKING PAINTS (YELLOW) | LITRE | 1,893.54 |
| B0-548 | ROAD MARKING PAINTS (WHITE) | LITRE | 1,893.54 |
| FUEL, OILS & LUBRICANTS | | | |
| B0-601 | INDUSTRIAL KEROSENE OIL (COLOMBO) | LITRE | 251.00 |
| B0-602 | MOULD OIL | LITRE | 159.00 |
| B0-611 | LUBRICANT(OIL) | LITRE | 1,520.57 |
| B0-612 | AUTO DIESEL (COLOMBO) | LITRE | 363.00 |
| B0-613 | PETROL (COLOMBO) | LITRE | 371.00 |
| B0-614 | FURNACE OIL FOR BURNERS | LITRE | 132.00 |
| B0-615 | LP GAS | KG | 365.15 |
| B0-616 | LUBRICANT(GREASE)) | KG | 3,266.67 |

H.S.R. - SCHEDULE OF INPUTS FOR THE YEAR 2024
BADULLA DISTRICT

| <u>CODE</u> | | <u>UNIT</u> | <u>PRICE(RS.)</u> |
|--------------------------------|--|-------------|-------------------|
| MISCELLANEOUS MATERIALS | | | |
| B0-631 | BASKETS (WITH TRANSPORT) | 01 NO. | 300.00 |
| B0-632 | GUNNY BAGS NEW(LARGE) (WITH TRANSPORT) | 01 NO. | 101.50 |
| B0-632A | POLY SACS (65 KG CAPACITY) (WITH TRANSPORT) | 01 NO. | 68.30 |
| B0-633 | COTTON WASTE (WITH TRANSPORT) | KG | 133.25 |
| B0-634 | SALT (WITH TRANSPORT) | KG | 75.00 |
| B0-635 | EMPTY TAR BARRELS (140 LTRS) WITH TRANSPORT) | NO | 90.55 |
| B0-636 | P.V.C. PIPE 110 MM DIA TYPE 250 PE (WITH TRANS.) | METRE | 1,058.20 |
| B0-636B | P.V.C. PIPE 110 MM DIA TYPE 400 PE (WITH TRANS.) | METRE | 1,606.80 |
| B0-636C | PVC PIPE 110MM DIA TYPE 600 PE (WITH TRANSPORT) | METER | 1,886.45 |
| B0-636D | PVC PIPE 110MM DIA TYPE 1000 PE (WITH TRANSPORT) | METER | 2,839.85 |
| B0-636E | PVC PIPE 110MM DIA TYPE 1000 PE BEND (WITH TRANSPORT) | NOS | 4,843.80 |
| B0-637 | P.V.C. PIPE 50 MM DIA TYPE 400 PE (WITH TRANS.) | METRE | 328.55 |
| B0-637A | P.V.C. PIPE 25 MM DIA TYPE 1000 PE (WITH TRANS.) | METRE | 282.50 |
| B0-637B | P.V.C. PIPE 90 MM DIA TYPE 400 PE (WITH TRANS.) | METRE | 961.35 |
| B0-637C | P.V.C. PIPE 90 MM DIA TYPE 600 PE (WITH TRANS.) | METRE | 1,568.65 |
| B0-637D | P.V.C. PIPE 160 MM DIA TYPE 250 PE (WITH TRANS.) | METRE | 3,184.50 |
| B0-637E | P.V.C. PIPE 160 MM DIA TYPE 400 PE (WITH TRANS.) | METRE | 3,111.05 |
| B0-637F | P.V.C. PIPE 160 MM DIA TYPE 600 PE (WITH TRANS.) | METRE | 3,856.80 |
| B0-637G | P.V.C. PIPE 160 MM DIA TYPE 1000 PE (WITH TRANS.) | METRE | 5,926.00 |
| B0-638 | HARD RUBBER 12MM THICK X 75 MM WIDE (WITH TRANS) | METRE | 2,694.73 |
| B0-639 | POLYTHENE 325 MM DIA GAUGE 300 (APPROX.14.0 METERS/KG) (TUBULAR FLAT WIDTH APP. 505 MM, WITH TRANS.) | KG | 689.30 |
| B0-639A | POLYTHENE 230 MM DIA GAUGE 300 (APPROX.19.5 METERS/KG) (TUBULAR FLAT WIDTH APP. 355 MM, WITH TRANS.) | KG | 689.30 |
| B0-639B | POLYTHENE 150 MM DIA GAUGE 300 (APPROX.28.0 METERS/KG) (TUBULAR FLAT WIDTH APP. 241 MM, WITH TRANS.) | KG | 689.30 |
| B0-640 | ALLUMINIUM SHEET 24 SWG (WITH TRANSPORT) | SQ.METRE | 2,354.55 |
| B0-641 | ANGLE IRON 50X50X6 MM (WITH TRANSPORT) | METRE | 1,282.65 |
| B0-642 | M.S. PLATE 12 MM THICK (WITH TRANSPORT) | SQ.M | 33,301.55 |
| B0-643 | ADHESIVE (WATER RESISSTANT) | KG | 1,308.75 |
| B0-644 | EMULSIFIER- CSS/CRS | KG | 2,560.00 |
| B0-645 | EARLY STRENGTH ADMIXER (Usage:300 ml per 50 kg Cement bag) | LTR | 495.95 |
| B0-646 | TRAFFIC CONES | NO. | 3,130.00 |
| B0-647 | 75 MM X 8 MM DIA NUTS AND BOLTS | NO. | 33.85 |
| B0-648 | SAW DUST (LOOSE) | CU.M | 127.55 |
| B0-649 | DRILL STEEL | METER | 150.06 |

PIECE RATES & ALLOWANCES

ALLOW FOR:

| | | | |
|--------|--|-------|----------|
| B0-704 | BARRICADING (SMALL WORK ITEMS) | ITEM | 1,100.00 |
| B0-705 | BARRICADING, LIGHTING, SIGNALLING ETCFOR100M (STATIONARY OPERATIONS) | DAY | 2,750.00 |
| B0-711 | CEMENT, SAND & WATER FOR JOINTING HUME PIPES 152 MM DIAMETER | JOINT | 110.00 |
| B0-712 | - DO - 229 TO 610 MM DIAMETER | JOINT | 220.00 |
| B0-713 | - DO - 915 MM DIAMETER | JOINT | 440.00 |
| B0-714 | - DO - 1220 MM DIAMETER | JOINT | 770.00 |
| B0-715 | COIR ROPE (FOR SCAFFOLDING 93 SQ.M AREA) | ITEM | 550.00 |
| B0-716 | COIR STRING FOR CUTTING SIDE DRAINS (PER 2.83 CU.M) | ITEM | 82.50 |
| B0-717 | - DO - FIXING SCAFFOLDING (PER 93 SQ.M) | ITEM | 440.00 |
| B0-718 | MINOR REPAIRS OF PARAPETS WITH CEMENT, SAND & WATER (PER 9.29 SQ.M) | ITEM | 550.00 |
| B0-720 | FUEL *(FOR LOOSENING ROAD SURFACE IN MANUAL BREAKING 50 MM DEPTH X 307 SQ.M) | ITEM | 110.00 |
| B0-723 | FUEL, FORGE ETC.(PER 2.83 CU.M BLASTING) | ITEM | 220.00 |
| B0-732 | LADDERS (PER 93 SQ.M) | ITEM | 550.00 |
| B0-741 | PAINT (FOR LETTERING & NUMBERING ITEMS) | ITEM | 220.00 |
| B0-746 | PEGS (FOR TURFING IN 19 SQ.M AREA) | ITEM | 550.00 |
| B0-751 | SAND PAPER & COTT. WASTE (PER 9.29 SQ.M) | ITEM | 330.00 |
| B0-752 | SHARP. SCARIFIER TYNES (FOR 307 SQ.M) | ITEM | 110.00 |
| B0-761 | TIMBER PLANKS & BAMBOOS (FOR 93 SQ.M)) | ITEM | 1,430.00 |
| B0-762 | TIMBER POST, HORIZONTAL ETC. (FOR BARRICADING WORK IN 4 L.M.) | ITEM | 2,200.00 |

WATER FOR CONCRETING:

| | | | |
|--------|---|------|-------|
| B0-781 | ALLOW FOR WATER (FOR MIXING BY MACHINE) PER | CU.M | 55.00 |
| B0-782 | ALLOW FOR WATER (FOR MIXING MANUALLY) PER | CU.M | 55.00 |

WATER FOR COMPACTION & GENERAL USE

| | | | |
|--------|--|-------|--------|
| B0-784 | ALLOW FOR WATER (GRAVEL COMPACTION) PER | CU.M | 27.50 |
| B0-785 | ALLOW FOR WATER (AGGREGATE COMPACTION) PER | CU.M | 38.50 |
| B0-786 | ALLOW FOR WATER (MOISTENING ROAD SURFACE) | ITEM | 110.00 |
| B0-787 | ALLOW FOR WATER SUPPLY (BY BUCKET & COIR ROPE) | ITEM | 110.00 |
| B0-788 | WATER FOR GENERAL PURPOSES | LITRE | 27.50 |

H.S.R. - SCHEDULE OF INPUTS FOR THE YEAR 2024
BADULLA DISTRICT

| <u>CODE</u> | | <u>UNIT</u> | <u>PRICE(RS.)</u> |
|--------------------------------------|--|-------------|-------------------|
| WHITE WASHING FOR BARRICADING | | | |
| B0-791 | WHITE WASHING EMPTY BARRELS (BITUMEN) | 01 NO. | 250.00 |
| B0-792 | WHITE WASHING TIMBER POSTS, HORIZONTALS, ETC. (IN 4 L.M. BARRICADING) | 01 ITEM | 93.75 |

FOLLOWING MATERIAL PRICES ARE FOR ESTIMATION ONLY
(PAYMENTS SHOULD BE BASED ON APPROVED TENDER PRICES)

| THERMOPLASTIC ROAD MARKING MATERIALS EXCLUDING TRANSPORT & VAT | | | |
|---|--|-------|----------|
| B0-800 | THERMO PLASTIC ROAD MARKING MATERIAL(WHITE) | KG | 296.16 |
| B0-801 | THERMO PLASTIC -DO- (YELLOW) | KG | 252.50 |
| B0-802 | GLASS BEADS | KG | 252.50 |
| B0-803 | CATS EYE (ALUMINIUM ROAD STUD, DOUBLE SIDED) | NO. | 4,675.00 |
| B0-804 | DELETED | | - |
| B0-805 | DELETED | | - |
| B0-806 | ZEBRA BARRICADING TAPE (POLYTHENE) | METRE | 349.00 |

P.C.C. BEAMS (Wires) EXCLUDING TRANSPORT & VAT

NOTE: Specifications of the beams should be in compliance to the national highways
RN indicates Rates are to be negotiated and decide

| | BEAM LENGTH | FT. | M | WT.(Tonnes) | | |
|---------|--------------------|------------|----------|--------------------|----------|------------|
| B0-810 | P.C.C BEAM | 11'.0 | 3.35 | 0.89 | PER BEAM | 52,300.00 |
| B0-811 | P.C.C BEAM | 14'.0 | 4.26 | 1.13 | PER BEAM | 67,400.00 |
| B0-812 | P.C.C BEAM | 17'.0 | 5.18 | 1.57 | PER BEAM | 83,700.00 |
| B0-813 | P.C.C BEAM | 20'.0 | 6.09 | 2.08 | PER BEAM | 113,300.00 |
| B0-814 | P.C.C BEAM | 23'.0 | 7.01 | 2.26 | PER BEAM | 130,000.00 |
| B0-814A | P.C.C BEAM | 27'.0 | 8.23 | 2.19 | PER BEAM | 162,500.00 |
| B0-815 | P.C.C BEAM | 32'.0 | 9.75 | 2.59 | PER BEAM | 176,400.00 |
| B0-816 | P.C.C BEAM | 35'.0 | 10.67 | 2.86 | PER BEAM | 200,000.00 |
| B0-817 | P.C.C BEAM | 40'.0 | 12.19 | 3.80 | PER BEAM | RN |
| B0-818 | P.C.C BEAM | 44'.0 | 13.41 | 4.22 | PER BEAM | RN |
| B0-819 | P.C.C BEAM | 53'.0 | 16.15 | 5.07 | PER BEAM | RN |

P.C.C. BEAMS(Strands) EXCLUDING TRANSPORT & VAT

NOTE: Specifications of the beams should be in compliance to the national highways

| | BEAM LENGTH | FT. | M | WT.(Tonnes) | | |
|--------|--------------------|------------|----------|--------------------|----------|------------|
| B0-830 | P.C.C BEAM | 31.16' | 9.5 | 2.32 | PER BEAM | 138,000.00 |
| B0-831 | P.C.C BEAM | 37.72' | 11.5 | 3.21 | PER BEAM | 180,500.00 |
| B0-832 | P.C.C BEAM | 44.28' | 13.5 | 4.20 | PER BEAM | 217,000.00 |
| B0-833 | P.C.C BEAM | 47.56' | 14.5 | 4.71 | PER BEAM | 270,000.00 |
| B0-834 | P.C.C BEAM | 50.84' | 15.5 | 5.44 | PER BEAM | 300,000.00 |
| B0-835 | P.C.C BEAM | 54.12' | 16.5 | 6.16 | PER BEAM | 335,000.00 |

GABION MESH EXCLUDING TRANSPORT & VAT

ZINC COATED GABION BOXES

| | | | |
|--------|---|---------|-----------|
| B0-850 | 1X1X1M INCLU. COATED TIE (BINDING)WIRE @ 5% OF GABION WEIGHT | PER BOX | 8,940.70 |
| B0-851 | 2X1X0.5M INCLU. COATED TIE(BINDING) WIRE @ 5% OF GABION WEIGHT | PER BOX | 11,177.95 |
| B0-852 | 1.5X1X1M INCLU. COATED TIE (BINDING) WIRE @ 5% OF GABION WEIGHT | PER BOX | 11,923.75 |
| B0-853 | 2X1X1M INCLU. COATED TIE (BINDING)WIRE @ 5% OF GABION WEIGHT | PER BOX | 16,389.85 |
| B0-854 | 3X1X1M INCLU. COATED TIE (BINDING)WIRE @ 5% OF GABION WEIGHT | PER BOX | 23,339.00 |

PVC COATED GABION BOXES

| | | | |
|---------|---|---------|-----------|
| B0-850A | 1X1X1M INCLU. COATED TIE (BINDING)WIRE @ 5% OF GABION WEIGHT | PER BOX | 11,331.80 |
| B0-851A | 2X1X0.5M INCLU. COATED TIE(BINDING) WIRE @ 5% OF GABION WEIGHT | PER BOX | 14,175.80 |
| B0-852A | 1.5X1X1M INCLU. COATED TIE (BINDING) WIRE @ 5% OF GABION WEIGHT | PER BOX | 15,066.35 |
| B0-853A | 2X1X1M INCLU. COATED TIE (BINDING)WIRE @ 5% OF GABION WEIGHT | PER BOX | 21,191.15 |
| B0-854A | 3X1X1M INCLU. COATED TIE (BINDING)WIRE @ 5% OF GABION WEIGHT | PER BOX | 30,231.00 |

GEOTEXTILES EXCLUDING TRANSPORT & VAT

| | | | |
|--------|------------|------------|--------|
| B0-860 | GEOTEXTILE | PER 1 SQ.M | 360.00 |
|--------|------------|------------|--------|

H.S.R. - SCHEDULE OF INPUTS FOR THE YEAR 2024
BADULLA DISTRICT

| <u>CODE</u> | | <u>UNIT</u> | <u>PRICE(RS.)</u> |
|--|---|-------------|-------------------|
| SIGNALIZATION EXCLUDING TRANSPORT AND VAT | | | |
| B0-900 | SIGNAL POLE 4M THICKNESS 5MM, DIA 125MM, OCTAGANAL STEEL POLE HOT DIPPED GALVANIZED, PLASTIC COATING INCLUDING WASHER NUT, WASHER PLATE 32MM NUTS AND BOLTS | NOS | |
| B0-901 | 5M ARM WITH POLE, MATERIAL Q235, THICKNESS 5MM ,DIA. 230MM, OCTAGONAL CROSS SHAPE, HOT DIPPED GALVANIZED AFTER MANUFACTURED, THEN SPRAY PLASTIC WHITE COLOR, 6.3M POLE HEIGHT | NOS | |
| B0-902 | 6M ARM WITH POLE, MATERIAL Q235, THICKNESS 5MM , DIA. 230MM, OCTAGONAL CROSS SHAPE, HOT DIPPED GALVANIZED AFTER MANUFACTURED, THEN SPRAY PLASTIC WHITE COLOR, 6.3M POLE HEIGHT | NOS | |
| B0-903 | 7M ARM WITH POLE, MATERIAL Q235, THICKNESS 5MM ,DIA. 230MM, OCTAGONAL CROSS SHAPE, HOT DIPPED GALVANIZED AFTER MANUFACTURED, THEN SPRAY PLASTIC WHITE COLOR, 6.3M POLE HEIGHT | NOS | |
| B0-904 | 9M ARM WITH POLE, MATERIAL Q235, THICKNESS 5MM ,DIA. 230MM, OCTAGONAL CROSS SHAPE, HOT DIPPED GALVANIZED AFTER MANUFACTURED, THEN SPRAY PLASTIC WHITE COLOR, 6.3M POLE HEIGHT | NOS | |
| B0-905 | 10.5M ARM WITH POLE, MATERIAL Q235, THICKNESS 8MM , DIA. 230MM, OCTAGONAL CROSS SHAPE, HOT DIPPED GALVANIZED AFTER MANUFACTURED, THEN SPRAY PLASTIC WHITE COLOR, 6.3M POLE HEIGHT | NOS | |
| B0-906 | 12M ARM WITH POLE, MATERIAL Q235, THICKNESS 8MM , DIA 330MM BOTTOM, 280MM TOP, OCTAGONAL CROSS SHAPE, HOT DIPPED GALVANIZED AFTER MANUFACTURED, THEN SPRAY PLASTIC WHITE COLOR 6.3M POLE HEIGHT | NOS | |
| B0-907 | 7M DOUBLE ARM WITH POLE, MATERIAL Q235, THICKNESS 8MM ,DIA 330MM BOTTOM, 280MM TOP, OCTAGONAL CROSS SHAPE, HOT DIPPED GALVANIZED AFTER MANUFACTURED, THEN SPRAY PLASTIC WHITE COLOR 6.3M POLE HEIGHT | NOS | |
| B0-908 | 9M DOUBLE ARM WITH POLE, MATERIAL Q235, THICKNESS 8MM ,DIA 330MM BOTTOM, 280MM TOP, OCTAGONAL CROSS SHAPE, HOT DIPPED GALVANIZED AFTER MANUFACTURED, THEN SPRAY PLASTIC WHITE COLOR 6.3M POLE HEIGHT | NOS | |
| B0-909 | 12M DOUBLE ARM WITH POLE, MATERIAL Q235, THICKNESS 8MM ,DIA 330MM BOTTOM, 280MM TOP, OCTAGONAL CROSS SHAPE, HOT DIPPED GALVANIZED AFTER MANUFACTURED, THEN SPRAY PLASTIC WHITE COLOR, 6.3M POLE HEIGHT | NOS | |
| B0-910 | 7M ARM WITH ROTATABLE ARM, MATERIAL Q235, THICKNESS 8MM, DIA 320MM BOTTOM, 219MM TOP, OCTAGONAL CROSS SHAPE, HOT DIPPED GALVANIZED AFTER MANUFACTURED, AND THEN SPRAY PLASTIC WHITE COLOR 6.3M POLE HEIGHT | NOS | |
| B0-911 | 9M ARM WITH ROTATABLE ARM, MATERIAL Q235, THICKNESS 8MM ,DIA 230MM BOTTOM, 219MM TOP, OCTAGONAL CROSS SHAPE, HOT DIPPED GALVANIZED AFTER MANUFACTURED, THEN SPRAY PLASTIC WHITE COLOR 6.3M POLE HEIGHT | NOS | |
| B0-912 | 3 CORE ARMoured CABLE 3NOSX1.5MM2 (CU/PVC/SWA/PVC) | METER | |
| B0-913 | 4 CORE ARMoured CABLE 4NOSX1.5MM2 (CU/PVC/SWA/PVC) | METER | |
| B0-914 | 24/0.20 3 CORE FLEXIBLE CABLE (CU/PVC/PVC/FLEXIBLE) | METER | |
| B0-915 | 24/0.20 4 CORE FLEXIBLE CABLE (CU/PVC/PVC/FLEXIBLE) | METER | |
| B0-916 | SLT FIBER CABLE 4 CORE | NOS | |
| B0-917 | 3 ASPECT SIGNAL HEAD 300MM DIA (LED DOUBLE COBWEB LENCE) WITH BRACKETS (IP 55 INCLUDING PLASTIC HOUSING) | NOS | |
| B0-918 | 2 ASPECT SIGNAL HEAD 300MM DIA (LED) WITH RED & GREEN 230VAC WITH BRACKETS (IP 55 INCLUDING PLASTIC HOUSING) | NOS | |
| B0-919 | 2 ASPECT SIGNAL HEAD WITH COUNTDOWN 300MM DIA (LED) WITH RED & GREEN 230VAC WITH BRACKETS (IP 55 INCLUDING PLASTIC HOUSING) | NOS | |
| B0-920 | SINGAL ASPECT SIGNAL HEAD 300MM DIA (LED DOUBLE COBWEB LENSE) 230VAC WITH BRACKETS (IP 55 INCLUDING PLASTIC HOUSING) | NOS | |
| B0-921 | COUNTDOWN RED AND GREEN 400MM DIA, 2DIGIT, LED, 230V INCLUDING BRACKETS, NUT AND BOLTS | NOS | |
| B0-922 | COUNTDOWN RED 400MM DIA, 2 DIGIT, LED, 230V INCLUDING BRACKETS, NUT AND BOLTS | NOS | |
| B0-923 | COUNTDOWN RED 400MM DIA, 3 DIGIT, LED, 230V INCLUDING BRACKETS, NUT AND BOLTS | NOS | |
| B0-924 | LED PATHWAY LIGHTS (30W, 230VAC) | NOS | |
| B0-925 | SIGNAL CONTROLLER INCLUDING SSR, SURGE ARRESTERS FOR JUNCTION (SIZE 500MM X 350MM X 1200MM AND POWDER COATING, CONSIST WITH SIEMENS PLC + OUTPUT MODULE WITH SSR, 230VAC POWER. DC/RELAY.1/0:14/10 INCLUDING CLOCK MODULE) | NOS | |
| B0-926 | SIGNAL CONTROLLER INCLUDING SSR, SURGE ARRESTERS FOR PELICAN CROSSING (SIZE 500MM X 350MM X 1200MM AND POWDER COATING, CONSIST WITH SIEMENS PLC + OUTPUT MODULE WITH SSR, 230VAC POWER. DC/RELAY.1/0:14/10 INCLUDING CLOCK MODULE) | NOS | |
| B0-927 | SIGNAL CONTROLLER INCLUDING SSR, SURGE ARRESTERS FOR FOR MULTIPLE COMBINED JUNCTIONS (SIZE 500MM X 350MM X 1200MM AND POWDER COATING, CONSIST WITH SIEMENS PLC + OUTPUT MODULE WITH SSR. 230VAC POWER. DC/RELAY.1/0:14/10 INCLUDING CLOCK MODULE) | NOS | |
| B0-928 | PUSH BUTTON BOX WITH WAIT INDICATOR(320MM X 200MM DIE CAST ALUMINUM HOUSEING WITH PRINTED PERSPEX TRANSPARENT SHEET, MACHANICLE PUSH BUTTON AND 24VDC LED WAIT INDICATOR 24VDC SWITCHED) | NOS | |
| B0-929 | PEDESTRIAN ILLUMINATION LIGHT BOX (POWDER COATED BOX WITH FRONT COVER MADE OF PRINTED TRANSPARENT PERSPECT BLUE COLOUR 750MM X 750MM X 130MM AND 230Vac TUBE LIGHTS) | NOS | |
| B0-930 | ARROW SIGN BOARD 3M STICKER IN CLADDING SHEET WHITE AND GREEN | NOS | |
| B0-931 | TARGET BOARD FOR 300MM 3 ASPECT SIGNAL HEAD (3MM, SS NUT & BOLT) | NOS | |
| B0-932 | TARGET BOARD FOR 300MM 2 ASPECT SIGNAL HEAD (3MM, SS NUT & BOLT) | NOS | |
| B0-933 | TARGET BOARD FOR 300MM SINGLE (1A) ASPECT SIGNAL HEAD (3MM, SS NUT & BOLT) | NOS | |
| B0-165 | MOUNTING BRACKET | NOS | |
| B0-934 | SOUND SYSTEM FOR BLIND PEDESTRIANS (MAX WORK POWER <18W, VOICE PROMPT RATE = 70±5 TIMES/MIN (RED), 700±5 TIMES/MIN (GREEN), AC 85V-AC230V) | NOS | |

To be
Published in
Future

H.S.R. - SCHEDULE OF INPUTS FOR THE YEAR 2024
BADULLA DISTRICT

| <u>CODE</u> | | <u>UNIT</u> | <u>PRICE(RS.)</u> |
|-------------|--|-------------|-------------------|
| B0-935 | SAFETY COVER FOR POLE FOOTING (FIBER MATERIAL) | NOS | |
| B0-936 | COIL LOOP SYSTEM WITH RELAYS | NOS | |
| B0-937 | SURGE ARRESTERS 230V | NOS | |
| B0-938 | POWER SUPPLY UNIT (12VDC, 4A) | NOS | |
| B0-939 | POWER SUPPLY UNIT (24VDC, 4A) | NOS | |
| B0-940 | CONTROL PANEL (FIBER HOUSING, IP64) | NOS | |
| B0-941 | CCTV CAMERA FOR DETECTING PEDESTRIANS (24VAC - 230VAC, BLUETOOTH FACILITY, IP 65, MIN. AMBIENT LIGHTING 10 LUX, 180MA @ 24VAC, RELAY TYPE DIRECT OUTPUT, 3M TO 2M DETECTION ZONE) | NOS | |

STRUCTURAL STEEL ITEMS EXCLUDING TRANSPORT AND VAT

NOMINAL SIZE (mmxmmxmm)

H IRON

| | | | |
|---------|-------------------|-------|-----------|
| B0-1001 | 100x100x6-8 | METER | 5,650.00 |
| B0-1002 | 125x125x6.5-9 | METER | 7,452.00 |
| B0-1003 | 150x75x5-7 | METER | 4,494.67 |
| B0-1004 | 150x100x6-9 | METER | 6,569.67 |
| B0-1005 | 150x150x6.5-9 | METER | 7,016.67 |
| B0-1006 | 200x100x5.5-8 | METER | 6,566.67 |
| B0-1008 | 200x200x8-12 | METER | 15,655.50 |
| B0-1009 | 250x125x6-9 | METER | 9,474.67 |
| B0-1010 | 250x150x6.10-8.60 | METER | 10,666.67 |
| B0-1011 | 250x250x9-14 | METER | 24,831.67 |
| B0-1012 | 300x150x6.5-9 | METER | 12,239.67 |

GALVANIZED IRON BOX BARS

| | | | |
|---------|-----------|-------|----------|
| B0-1021 | 12x12x1.2 | METER | 190.73 |
| B0-1022 | 20x20x2 | METER | 436.36 |
| B0-1023 | 25x25x2 | METER | 429.25 |
| B0-1024 | 30x30x2 | METER | 542.29 |
| B0-1025 | 40x20x1.4 | METER | 378.66 |
| B0-1026 | 40x40x2 | METER | 564.03 |
| B0-1027 | 50x25x2 | METER | 801.98 |
| B0-1028 | 50x50x2 | METER | 906.72 |
| B0-1029 | 80x25x2 | METER | 1,109.09 |
| B0-1030 | 80x80x2 | METER | 1,604.32 |

GALVANIZED IRON C PURLIN

| | | | |
|---------|----------|-------|----------|
| B0-1041 | 100x50x2 | METER | 1,218.79 |
|---------|----------|-------|----------|

HSR - 2024
 Engineering Division
 Ministry of Transport and Highways

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---|--|----------|------|------------|--------------|--------------|--------------|
| SECTION I - TRANSPORT | | | | | | | |
| * SEE SECTION 23 OF GENERAL NOTES FOR SELECTION OF MODE OF TRANSPORT | | | | | | | |
| T1-001 | TRANSPORT OF SOIL 25M TO 100M BY ANY MEANS (INCLU. LOADING AND UNLOADING): | | | | | | |
| | DATA FOR 4 CU.M | | | | | | |
| | LABOUR (U/SK) | 1.10 | DAY | B0-004 | 2,475.00 | | |
| | TOOLS: 2.5% OF LABOUR | | | | 61.88 | | |
| | | | | | 2,536.88 | | |
| | TOTAL COST FOR 4.0 CU.M | | | | 2,536.88 | | |
| | RATE PER 1 CUBIC METRE | | | T1-001 | 634.22 | | |
| | | | | SAY | 634.20 | 618.75 | 15.45 |
| T1-002 | TRANSPORT 100M TO 0.5 KM BY ANY MEANS (EXCLUDING LOADING): | | | | | | |
| | DATA FOR 10.5 CU.M | | | | | | |
| | TRACTOR & TRAILOR WITH DRIVER FUEL, OIL ETC. FOR 10.5 CU.M | 0.42 | DAY | B0-117 | 4,487.66 | | |
| | TOTAL COST FOR 10.50 CU.M | | | | 4,487.66 | | |
| | RATE PER 1 CUBIC METRE | | | T1-002 | 427.40 | | |
| | | | | SAY | 427.40 | 0.00 | 427.40 |
| T1-003 | TRANSPORT 0.5 KM TO 1.0 KM BY ANY MEANS (EXCLUDING LOADING): | | | | | | |
| | DATA FOR 10.5 CU.M | | | | | | |
| | TRACTOR & TRAILOR WITH DRIVER FUEL, OIL ETC. FOR 10.5 CU.M | 0.45 | DAY | B0-117 | 4,808.21 | | |
| | TOTAL COST FOR 10.5 CU.M | | | | 4,808.21 | | |
| | RATE PER 1 CUBIC METRE | | | T1-003 | 457.92 | | |
| | | | | SAY | 457.90 | 0.00 | 457.90 |
| T1-003A | TRANSPORT OF EACH SUBSEQUENT 1 KM FROM 1.0 - 8.0 KM BY ANY MEANS: (EXCLUDING LOADING) | | | | | | |
| | DATA FOR 10.5 CU.M | | | | | | |
| | TRACTOR & TRAILOR WITH DRIVER FUEL, OIL ETC. FOR 10.5 CU.M | 0.07 | DAY | B0-117 | 747.94 | | |
| | TOTAL COST FOR 10.5 CU.M | | | | 747.94 | | |
| | RATE PER 1 CUBIC METRE | | | T1-003A | 71.23 | | |
| | | | | SAY | 71.25 | 0.00 | 71.25 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|---------|------------|--------------|--------------|--------------|
| T1-003B | TRANSPORT OF EACH SUBSEQUENT 1.0 KM BEYOND 8 KM. BY ANY MEANS: (EXCLUDING LOADING) | | | | | | |
| | DATA FOR 10.6 CU.M | | | | | | |
| | TRACTOR & TRAILOR WITH DRIVER FUEL, OIL ETC. FOR 10.5 CU.M | 0.05 | DAY | B0-117 | 502.19 | | |
| | TOTAL COST FOR 10.5 CU.M | | | | 502.19 | | |
| | RATE PER 1 CUBIC METRE | | | T1-003B | 47.83 | | |
| | | | | SAY | 47.85 | 0.00 | 47.85 |
| | * T1-004, T1-005: CODES CHANGED AS T1-003A AND T1-003B | | | | | | |
| T1-006 | TRANSPORT OF MATERIAL IN BULK EXCLUDING LOADING (FOR DISTANCE LESS THAN OR EQUAL 3 KILO METRES): | | | | | | |
| | DATA FOR 1.0 CU.M | | | | | | |
| | HIRE CHARGES PER CU.M PER 3 KILO METRES | 3.00 | CU.M/KM | B0-119 | 170.34 | | |
| | TOTAL COST | | | | 170.34 | | |
| | RATE PER 1 CUBIC METRE (FIXED RATE UP TO 3 KM) | | | T1-006 | 170.34 | | |
| | | | | SAY | 170.35 | 0.00 | 170.35 |
| T1-007 | TRANSPORT OF MATERIAL IN BULK EXCLUDING LOADING (FROM 3 KM UPTO 10 KILO METRES DISTANCE): | | | | | | |
| | DATA FOR 1.0 CU.M | | | | | | |
| | HIRE CHARGES PER CU.M PER KILO METRE | 1.00 | CU.M/KM | B0-119 | 56.78 | | |
| | TOTAL COST | | | | 56.78 | | |
| | RATE PER 1 CUBIC METRE PER 1 KM | | | T1-007 | 56.78 | | |
| | | | | SAY | 56.80 | 0.00 | 56.80 |
| T1-007A | TRANSPORT OF MATERIAL IN BULK EXCLUDING LOADING (FOR DISTANCE MORE THAN 10 KILO METRES): | | | | | | |
| | DATA FOR 1.0 CU.M | | | | | | |
| | HIRE CHARGES PER CU.M PER KILO METRE | 1.00 | CU.M/KM | B0-118 | 55.53 | | |
| | TOTAL COST | | | | 55.53 | | |
| | RATE PER 1 CUBIC METRE PER 1 KM | | | T1-007A | 55.53 | | |
| | | | | SAY | 55.55 | 0.00 | 55.55 |
| | * T1-008: CODE AMENDED AS T1-007A | | | | | | |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|----------|------------|--------------|--------------|--------------|
| T1-009 | TRANSPORT OF PREMIX IN BULK, EXCLUDING LOADING OTHER THAN AT MIXING PLANT DATA FOR 1.0 CU.M | | | | | | |
| | HIRE CHARGES PER M.TON PER KILO METRE | 1.00 | M.TON/KM | B0-120 | 37.94 | | |
| | TOTAL COST | | | | 37.94 | | |
| | RATE PER 1 M.TON PER 1 KM | | | T1-009 | 37.94 | | |
| | | | | SAY | 37.95 | 0.00 | 37.95 |
| T1-010 | TRANSPORT OF BARRELS OF BITUMEN FOR FIRST 1.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING): DATA FOR 16 NOS. BARRELS | | | | | | |
| | 16 BARRELS-ASSUME 2.1 CU.M * IDLE TIME ON LABOUR DURING TRANSPORT (3 LABOURERS X.11HRS) | 2.10 | CU.M | T1-003 | 961.64 | | |
| | | 0.04 | DAY | B0-004 | 92.25 | | |
| | | | | | 1,053.89 | | |
| | COST OF TRANSPORT FOR 16 BARRELS | 16 | NOS. | | 1,053.89 | | |
| | RATE PER 1 BARREL | | | T1-010 | 65.87 | | |
| | | | | SAY | 65.85 | 5.77 | 60.08 |
| T1-010A | TRANSPORT OF BARRELS OF BITUMEN FOR EACH SUBSEQUENT 1.0 KM, FROM 1.0 - 8.0 KM. (EXCLUDING LOADING AND UNLOADING): DATA FOR 16 NOS. BARRELS | | | | | | |
| | DATA FOR 16 NOS. BARRELS | | | | | | |
| | 16 BARRELS-ASSUME 2.1 CU.M * IDLE TIME ON LABOUR DURING TRANSPORT (AS ABOVE R1-006M) | 2.10 | CU.M | T1-003A | 149.59 | | |
| | | 0.04 | DAY | B0-004 | 92.25 | | |
| | | | | | 241.84 | | |
| | COST OF TRANSPORT FOR 16 BARRELS | 16 | NOS. | | 241.84 | | |
| | RATE PER 1 BARREL | | | T1-010A | 15.11 | | |
| | | | | SAY | 15.10 | 5.77 | 9.33 |
| T1-010B | TRANSPORT OF BARRELS OF BITUMEN FOR EACH SUBSEQUENT 1.0 KM BEYOND 8 KM. (EXCLUDING LOADING AND UNLOADING): DATA FOR 16 NOS. BARRELS | | | | | | |
| | DATA FOR 16 NOS. BARRELS | | | | | | |
| | 16 BARRELS-ASSUME 2.1 CU.M * IDLE TIME ON LABOUR DURING TRANSPORT (3 LABOURERS X.08HRS) | 2.10 | CU.M | T1-003B | 100.44 | | |
| | | 0.03 | DAY | B0-004 | 67.50 | | |
| | | | | | 167.94 | | |
| | COST OF TRANSPORT FOR 16 BARRELS | 16 | NOS. | | 167.94 | | |
| | RATE PER 1 BARREL | | | T1-010B | 10.50 | | |
| | | | | SAY | 10.50 | 4.22 | 6.28 |

* T1-011 & T1-012 CODE CHANGED

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| T1-013 | LOADING BARRELS OF BITUMEN INCLUSIVE OF ROLLING UPTO 25M : DATA FOR ONE NO. BARREL | | | | | | |
| | DATA FOR 1 NO. BARRELS (190 SECONDS/BARREL) | | | | | | |
| | 190X1X1 | | | | | | |
| | LABOUR U/SK | 0.01 | DAY | B0-004 | 15.75 | | |
| | 60X60X8 | | | | | | |
| | ADD. 150% FOR IDLE TIME OR FATIGUE ETC. | | | | 23.63 | | |
| | | | | | 39.38 | | |
| | RATE FOR LOADING PER 1 BARREL | | | T1-013 | 39.38 | | |
| | | | | | ===== | | |
| | | | | SAY | 39.40 | 39.40 | 0.00 |
| T1-014 | UNLOADING BARRELS OF BITUMEN INCLUSIVE OF ROLLING AND STACKING : | | | | | | |
| | DATA FOR 1 NO. BARREL (100 SECONDS/BARREL) | | | | | | |
| | 100x1x1 | | | | | | |
| | LABOUR U/SK | 0.00 | DAY | B0-004 | 6.75 | | |
| | 60x60x8 | | | | | | |
| | ADD.150% FOR IDLE TIME OR FATIGUE ETC. | | | | 10.13 | | |
| | | | | | 16.88 | | |
| | RATE FOR UNLOADING PER 1 BARREL | | | T1-014 | 16.88 | | |
| | | | | | ===== | | |
| | | | | SAY | 16.90 | 16.90 | 0.00 |
| T1-015 | TRANSPORT OF HUME PIPES 152MM DIA. FOR 1ST 1.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 21.96 M (9 PIPES OF 2.44 M EACH) | | | | | | |
| | HIRE OF VEHICLES(9 PIPES/LOAD) 9 PIPES-ASSUME 2.1 CU.M * | 2.10 | CU.M | T1-003 | 961.64 | | |
| | IDLE TIME (4 LABOURERS X.11 HRS.) U/SK | 0.06 | DAY | B0-004 | 123.75 | | |
| | | | | | 1,085.39 | | |
| | COST OF TRANSPORT FOR 21.96 M | | | | 1,085.39 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-015 | 49.43 | | |
| | | | | | ===== | | |
| | | | | SAY | 49.45 | 5.64 | 43.81 |
| T1-015A | TRANSPORT OF HUME PIPES 152MM DIA. FOR EACH SUBSEQUENT 1.0 KM, FROM 1.0 - 8.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 21.96 M (9 PIPES OF 2.44 M EACH) | | | | | | |
| | HIRE OF VEHICLES(9 PIPES/LOAD) 9 PIPES-ASSUME 2.1 CU.M * | 2.10 | CU.M | T1-003A | 149.59 | | |
| | IDLE TIME AS ABOVE (T1-015) U/SK | 0.06 | DAY | B0-004 | 123.75 | | |
| | | | | | 273.34 | | |
| | COST OF TRANSPORT OF 21.96 M | | | | 273.34 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-015A | 12.45 | | |
| | | | | | ===== | | |
| | | | | SAY | 12.45 | 5.64 | 6.81 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|-----------------|-----------------|-----------------|
| T1-015B | TRANSPORT OF HUME PIPES 152MM DIA. FOR EACH SUBSEQUENT 1.0 KM BEYOND 8.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 21.96 M (9 PIPES OF 2.44 M EACH) | | | | | | |
| | HIRE OF VEHICLES(12 PIPES/LOAD) | 2.10 | CU.M | T1-003B | 100.44 | | |
| | 9 PIPES-ASSUME 2.1 CU.M * | 0.04 | DAY | B0-004 | 94.50 | | |
| | IDLE TIME(4 LABOURERS X 1/12 HRS)U/SK | | | | | | |
| | | | | | 194.94 | | |
| | COST OF TRANSPORT OF 21.96 M | | | | 194.94 | | |
| | COST OF TRANSPORT PER 1 L. METRE | | | T1-015B | 8.88 | | |
| | | | | SAY | 8.90 | 4.30 | 4.60 |
| | * T1-016 & T1-017 CODE CHANGED | | | | | | |
| T1-018 | TRANSPORT OF HUME PIPES 229 MM DIA. FOR 1ST 1.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 19.52 M (8 PIPES OF 2.44 M EACH) | | | | | | |
| | HIRE OF VEHICLES(8 PIPES/LOAD) | 2.10 | CU.M | T1-003 | 961.64 | | |
| | 8 PIPES-ASSUME 2.1 CU.M * | 0.06 | DAY | B0-004 | 123.75 | | |
| | IDLE TIME AS ABOVE (T1-015)U/SK | | | | | | |
| | | | | | 1,085.39 | | |
| | COST OF TRANSPORT OF 19.52 M | | | | 1,085.39 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-018 | 55.60 | | |
| | | | | SAY | 55.60 | 6.34 | 49.26 |
| T1-018A | TRANSPORT OF HUME PIPES 229 MM DIA. FOR EACH SUBSEQUENT 1.0 KM, FROM 1.0 - 8.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 19.52 M (8 PIPES OF 2.44 M EACH) | | | | | | |
| | HIRE OF VEHICLES(8 PIPES/LOAD) | 2.10 | CU.M | T1-003A | 149.59 | | |
| | 8 PIPES-ASSUME 2.1 CU.M * | 0.06 | DAY | B0-004 | 123.75 | | |
| | IDLE TIME AS ABOVE (T1-015)U/SK | | | | | | |
| | | | | | 273.34 | | |
| | COST OF TRANSPORT OF 19.52 M | | | | 273.34 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-018A | 14.00 | | |
| | | | | SAY | 14.00 | 6.34 | 7.66 |

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|---------|---|----------|------|------------|-----------------|-----------------|-----------------|
| T1-018B | TRANSPORT OF HUME PIPES 229 MM DIA. FOR EACH SUBSEQUENT 1.0 KM BEYOND 8.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 19.52 M (8 PIPES OF 2.44 M EACH) | | | | | | |
| | HIRE OF VEHICLES(8 PIPES/LOAD) | 2.10 | CU.M | T1-003B | 100.44 | | |
| | 8 PIPES-ASSUME 2.1 CU.M * | | | | | | |
| | IDLE TIME(4 LABOURERS X 1/12 HRS)U/SK | 0.04 | DAY | B0-004 | 94.50 | | |
| | | | | | 194.94 | | |
| | COST OF TRANSPORT OF 19.52 M | | | | 194.94 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-018B | 9.99 | | |
| | | | | SAY | 10.00 | 4.84 | 5.16 |
| | * T1-019 & T1-020 : CODE CHANGED | | | | | | |
| T1-021 | TRANSPORT OF HUME PIPES 305 MM DIA. FOR 1ST 1.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 14.64 M (6 PIPES OF 2.44 M EACH) | | | | | | |
| | HIRE OF VEHICLES(6 PIPES/LOAD) | 2.10 | CU.M | T1-003 | 961.64 | | |
| | 6 PIPES-ASSUME 2.1 CU.M * | | | | | | |
| | IDLE TIME AS ABOVE (T1-015)U/SK | 0.06 | DAY | B0-004 | 123.75 | | |
| | | | | | 1,085.39 | | |
| | COST OF TRANSPORT OF 14.64 M | | | | 1,085.39 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-021 | 74.14 | | |
| | | | | SAY | 74.15 | 8.45 | 65.70 |
| T1-021A | TRANSPORT OF HUME PIPES 305 MM DIA. FOR EACH SUBSEQUENT 1.0 KM, FROM 1.0 - 8.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 14.64 M (6 PIPES OF 2.44 M EACH) | | | | | | |
| | HIRE OF VEHICLES(6 PIPES/LOAD) | 2.10 | CU.M | T1-003A | 149.59 | | |
| | 6 PIPES-ASSUME 2.1 CU.M * | | | | | | |
| | IDLE TIME AS ABOVE (T1-015)U/SK | 0.06 | DAY | B0-004 | 123.75 | | |
| | | | | | 273.34 | | |
| | COST OF TRANSPORT OF 14.64 M | | | | 273.34 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-021A | 18.67 | | |
| | | | | SAY | 18.65 | 8.45 | 10.20 |

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|---------|---|----------|------|------------|--------------|--------------|--------------|
| T1-021B | TRANSPORT OF HUME PIPES 305 MM DIA. FOR EACH SUBSEQUENT 1.0 KM BEYOND 8.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 14.64 M (6 PIPES OF 2.44 M EACH) | | | | | | |
| | HIRE OF VEHICLES(6 PIPES/LOAD) | 2.10 | CU.M | T1-003B | 100.44 | | |
| | 6 PIPES-ASSUME 2.1 CU.M * | 0.04 | DAY | B0-004 | 94.50 | | |
| | IDLE TIME AS ABOVE (T1-017)U/SK | | | | | | |
| | | | | | 194.94 | | |
| | COST OF TRANSPORT OF 14.64 M | | | | 194.94 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-021B | 13.32 | | |
| | | | | SAY | 13.30 | 6.45 | 6.85 |
| | * T1-022 & T1-023: CODE CHANGED | | | | | | |
| T1-024 | TRANSPORT OF HUME PIPES 457 MM DIA. FOR 1ST 1.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 9.76 M (4 PIPES OF 2.44 M EACH) | | | | | | |
| | HIRE OF VEHICLES(4 PIPES/LOAD) | 2.10 | CU.M | T1-003 | 961.64 | | |
| | 4 PIPES-ASSUME 2.1 CU.M * | 0.06 | DAY | B0-004 | 123.75 | | |
| | IDLE TIME AS ABOVE (T1-015)U/SK | | | | | | |
| | | | | | 1,085.39 | | |
| | COST OF TRANSPORT OF 9.76 M | | | | 1,085.39 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-024 | 111.21 | | |
| | | | | SAY | 111.20 | 12.68 | 98.52 |
| T1-024A | TRANSPORT OF HUME PIPES 457 MM DIA. FOR EACH SUBSEQUENT 1.0 KM, FROM 1.0 - 8.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 9.76 M (4 PIPES OF 2.44 M EACH) | | | | | | |
| | HIRE OF VEHICLES(4 PIPES/LOAD) | 2.10 | CU.M | T1-003A | 149.59 | | |
| | 4 PIPES-ASSUME 2.1 CU.M * | 0.06 | DAY | B0-004 | 123.75 | | |
| | IDLE TIME AS ABOVE (T1-015)U/SK | | | | | | |
| | | | | | 273.34 | | |
| | COST OF TRANSPORT OF 9.76 M | | | | 273.34 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-024A | 28.01 | | |
| | | | | SAY | 28.00 | 12.68 | 15.32 |

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|---------|---|----------|------|------------|-----------------|-----------------|-----------------|
| T1-024B | TRANSPORT OF HUME PIPES 457 MM DIA. FOR EACH SUBSEQUENT 1.0 KM BEYOND 8.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 9.76 M (4 PIPES OF 2.44 M EACH) | | | | | | |
| | HIRE OF VEHICLES(4 PIPES/LOAD) | 2.10 | CU.M | T1-003B | 100.44 | | |
| | 4 PIPES-ASSUME 2.1 CU.M * | 0.04 | DAY | B0-004 | 94.50 | | |
| | IDLE TIME AS ABOVE (T1-017)U/SK | | | | | | |
| | | | | | 194.94 | | |
| | COST OF TRANSPORT OF 9.76 M | | | | 194.94 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-024B | 19.97 | | |
| | | | | SAY | 19.95 | 9.68 | 10.27 |
| | * T1-025 & T1-026: CODE CHANGED | | | | | | |
| T1-027 | TRANSPORT OF HUME PIPES 610 MM DIA. FOR 1ST 1.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 7.32 M (3 PIPES OF 2.44 M EACH) | | | | | | |
| | HIRE OF VEHICLES(3 PIPES/LOAD) | 2.10 | CU.M | T1-003 | 961.64 | | |
| | 3 PIPES-ASSUME 2.1 CU.M * | 0.06 | DAY | B0-004 | 123.75 | | |
| | IDLE TIME AS ABOVE (T1-015)U/SK | | | | | | |
| | | | | | 1,085.39 | | |
| | COST OF TRANSPORT OF 7.32 M | | | | 1,085.39 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-027 | 148.28 | | |
| | | | | SAY | 148.30 | 16.91 | 131.39 |
| T1-027A | TRANSPORT OF HUME PIPES 610 MM DIA. FOR EACH SUBSEQUENT 1.0 KM, FROM 1.0 - 8.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 7.32 M (3 PIPES OF 2.44 M EACH) | | | | | | |
| | HIRE OF VEHICLES(3 PIPES/LOAD) | 2.10 | CU.M | T1-003A | 149.59 | | |
| | 3 PIPES-ASSUME 2.1 CU.M * | 0.06 | DAY | B0-004 | 123.75 | | |
| | IDLE TIME AS ABOVE (T1-015)U/SK | | | | | | |
| | | | | | 273.34 | | |
| | COST OF TRANSPORT OF 7.32 M | | | | 273.34 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-027A | 37.34 | | |
| | | | | SAY | 37.35 | 16.91 | 20.44 |

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|---------|--|----------|------|------------|--------------|--------------|--------------|
| T1-027B | TRANSPORT OF HUME PIPES 610 MM DIA. FOR EACH SUBSEQUENT 1.0 KM BEYOND 8.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 7.32 M (3 PIPES OF 2.44 M EACH) | | | | | | |
| | HIRE OF VEHICLES(3 PIPES/LOAD) | 2.10 | CU.M | T1-003B | 100.44 | | |
| | 3 PIPES-ASSUME 2.1 CU.M * | 0.04 | DAY | B0-004 | 94.50 | | |
| | IDLE TIME AS ABOVE (T1-017)U/SK | | | | | | |
| | | | | | 194.94 | | |
| | COST OF TRANSPORT OF 7.32 M | | | | 194.94 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-027B | 26.63 | | |
| | | | | SAY | 26.65 | 12.91 | 13.74 |
| | * T1-028 & T1-029: CODE CHANGED | | | | | | |
| T1-030 | TRANSPORT OF HUME PIPES 915 MM DIA. FOR 1ST 1.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 4.88 M (4 PIPES OF 1.22 M EACH) | | | | | | |
| | HIRE OF VEHICLES(4 PIPES/LOAD) | 2.10 | CU.M | T1-003 | 961.64 | | |
| | 4 PIPES-ASSUME 2.1 CU.M * | 0.06 | DAY | B0-004 | 123.75 | | |
| | IDLE TIME AS ABOVE (T1-015)U/SK | | | | | | |
| | | | | | 1,085.39 | | |
| | COST OF TRANSPORT OF 4.88 M | | | | 1,085.39 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-030 | 222.42 | | |
| | | | | SAY | 222.40 | 25.36 | 197.04 |
| T1-030A | TRANSPORT OF HUME PIPES 915 MM DIA. FOR EACH SUBSEQUENT 1.0 KM, FROM 1.0 - 8.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 4.88 M (4 PIPES OF 1.22 M EACH) | | | | | | |
| | HIRE OF VEHICLES(4 PIPES/LOAD) | 2.10 | CU.M | T1-003A | 149.59 | | |
| | 4 PIPES-ASSUME 2.1 CU.M * | 0.06 | DAY | B0-004 | 123.75 | | |
| | IDLE TIME AS ABOVE (T1-015)U/SK | | | | | | |
| | | | | | 273.34 | | |
| | COST OF TRANSPORT OF 4.88 M | | | | 273.34 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-030A | 56.01 | | |
| | | | | SAY | 56.00 | 25.36 | 30.64 |

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BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|-----------------|-----------------|-----------------|
| T1-030B | TRANSPORT OF HUME PIPES 915 MM DIA. FOR EACH SUBSEQUENT 1.0 KM BEYOND 8.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 4.88 M (4 PIPES OF 1.22 M EACH) | | | | | | |
| | HIRE OF VEHICLES(4 PIPES/LOAD) | 2.10 | CU.M | T1-003B | 100.44 | | |
| | 4 PIPES-ASSUME 2.1 CU.M * | 0.04 | DAY | B0-004 | 94.50 | | |
| | IDLE TIME AS ABOVE (T1-017)U/SK | | | | | | |
| | | | | | 194.94 | | |
| | COST OF TRANSPORT OF 4.88 M | | | | 194.94 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-030B | 39.95 | | |
| | | | | SAY | 39.95 | 19.36 | 20.59 |
| | * T1-031 & T1-032: CODE CHANGED | | | | | | |
| T1-033 | TRANSPORT OF HUME PIPES 1220 MM DIA. DIA. FOR 1ST 1.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 2.44 M (2 PIPES OF 1.22 M EACH) | | | | | | |
| | HIRE OF VEHICLES(2 PIPES/LOAD) | 2.10 | CU.M | T1-003 | 961.64 | | |
| | 2 PIPES-ASSUME 2.1 CU.M * | 0.11 | DAY | B0-004 | 247.50 | | |
| | IDLE TIME (4 LABOURERS X.22 HRS.)U/SK | | | | | | |
| | | | | | 1,209.14 | | |
| | COST OF TRANSPORT OF 2.44 M | | | | 1,209.14 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-033 | 495.55 | | |
| | | | | SAY | 495.55 | 101.43 | 394.12 |
| T1-033A | TRANSPORT OF HUME PIPES 1220 MM DIA. FOR EACH SUBSEQUENT 1.0 KM, FROM 1.0 - 8.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 2.44 M (2 PIPES OF 1.22 M EACH) | | | | | | |
| | HIRE OF VEHICLES(2 PIPES/LOAD) | 2.10 | CU.M | T1-003A | 149.59 | | |
| | 2 PIPES-ASSUME 2.1 CU.M * | 0.11 | DAY | B0-004 | 247.50 | | |
| | IDLE TIME (4 LABOURERS X.22 HRS.)U/SK | | | | | | |
| | | | | | 397.09 | | |
| | COST OF TRANSPORT OF 2.44 M | | | | 397.09 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-033A | 162.74 | | |
| | | | | SAY | 162.75 | 101.43 | 61.32 |

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|---------|---|----------|------|------------|--------------|--------------|--------------|
| T1-033B | TRANSPORT OF HUME PIPES 1220 MM DIA. FOR EACH SUBSEQUENT 1.0 KM BEYOND 8.0 KM OF TRANSPORT (EXCLUDING LOADING AND UNLOADING) : | | | | | | |
| | DATA FOR 2.44 M (2 PIPES OF 1.22 M EACH) | | | | | | |
| | HIRE OF VEHICLES(2 PIPES/LOAD) | 2.10 | CU.M | T1-003B | 100.44 | | |
| | 2 PIPES-ASSUME 2.1 CU.M * | 0.08 | DAY | B0-004 | 186.75 | | |
| | IDLE TIME (4 LABOURERS X 1/6 HRS.)U/SK | | | | 287.19 | | |
| | COST OF TRANSPORT OF 2.44 M | | | | 287.19 | | |
| | COST OF TRANSPORT PER 1 L.METRE | | | T1-033B | 117.70 | | |
| | | | | SAY | 117.70 | 76.54 | 41.16 |
| | * T1-034 & T1-035: CODE CHANGED | | | | | | |
| T1-036 | LOADING AND UNLOADING 152 MM DIA. 2.44 M LONG HUME PIPES : | | | | | | |
| | DATA FOR ONE 2.44 M LONG PIPE | | | | | | |
| | LABOUR U/SK (2 X 13 MINUTES) | 0.05 | DAY | B0-004 | 121.50 | | |
| | | | | | 121.50 | | |
| | RATE FOR 152 MM DIA., 2.44 M LONG, 1 NO. PIPE | | | T1-036 | 121.50 | | |
| | | | | SAY | 121.50 | 121.50 | 0.00 |
| T1-037 | LOADING AND UNLOADING 229 MM DIA. 2.44 M LONG HUME PIPES : | | | | | | |
| | DATA FOR ONE 2.44 M LONG PIPE | | | | | | |
| | LABOUR U/SK (3 X 10 MINUTES) | 0.06 | DAY | B0-004 | 141.75 | | |
| | | | | | 141.75 | | |
| | RATE FOR 229 MM DIA., 2.44 M LONG, 1 NO. PIPE | | | T1-037 | 141.75 | | |
| | | | | SAY | 141.75 | 141.75 | 0.00 |
| T1-038 | LOADING AND UNLOADING 305 MM DIA. 2.44 M LONG HUME PIPES : | | | | | | |
| | DATA FOR ONE 2.44 M LONG PIPE | | | | | | |
| | LABOUR U/SK (6 X 10 MINUTES) | 0.13 | DAY | B0-004 | 281.25 | | |
| | | | | | 281.25 | | |
| | RATE FOR 305 MM DIA., 2.44 M LONG, 1 NO. PIPE | | | T1-038 | 281.25 | | |
| | | | | SAY | 281.25 | 281.25 | 0.00 |

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BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|--|----------|------|------------|--------------|--------------|--------------|
| T1-039 | LOADING AND UNLOADING 457 MM DIA. 2.44 M LONG HUME PIPES : | | | | | | |
| | DATA FOR ONE 2.44 M LONG PIPE | | | | | | |
| | LABOUR U/SK (10 X 10 MINUTES) | 0.21 | DAY | B0-004 | 468.00 | | |
| | | | | | 468.00 | | |
| | RATE FOR 457 MM DIA., 2.44 M LONG, 1 NO. PIPE | | | T1-039 | 468.00 | | |
| | | | | SAY | 468.00 | 468.00 | 0.00 |
| T1-040 | LOADING AND UNLOADING 610 MM DIA. 2.44 M LONG HUME PIPES : | | | | | | |
| | DATA FOR ONE 2.44 M LONG PIPE | | | | | | |
| | LABOUR U/SK ((9+4) X 10 MINUTES) | 0.27 | DAY | B0-004 | 609.75 | | |
| | | | | | 609.75 | | |
| | RATE FOR 610 MM DIA., 2.44 M LONG, 1 NO. PIPE | | | T1-040 | 609.75 | | |
| | | | | SAY | 609.75 | 609.75 | 0.00 |
| T1-041 | LOADING AND UNLOADING 915 MM DIA. 1.22 M LONG HUME PIPES : | | | | | | |
| | DATA FOR TWO 1.22 M LONG PIPES | | | | | | |
| | LABOUR U/SK (8 X 1 HOUR) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | | | | | 2,250.00 | | |
| | RATE FOR 915 MM DIA., 1.22 M LONG, 1 NO. PIPE | | | T1-041 | 1,125.00 | | |
| | | | | SAY | 1,125.00 | 1,125.00 | 0.00 |
| T1-042 | LOADING AND UNLOADING 1220 MM DIA. 1.22 M LONG HUME PIPES : | | | | | | |
| | DATA FOR TWO 1.22 M LONG PIPES | | | | | | |
| | LABOUR U/SK (8 X 2 HRS.) | 2.00 | DAY | B0-004 | 4,500.00 | | |
| | | | | | 4,500.00 | | |
| | RATE FOR 1220 MM DIA., 1.22 M LONG, 1 NO. PIPE | | | T1-042 | 2,250.00 | | |
| | | | | SAY | 2,250.00 | 2,250.00 | 0.00 |
| T1-043 | TRANSPORT OF PRECAST KERB STONES (ALL TYPES) FOR ROAD WORKS, INCLUDING LOADING AND UNLOADING : | | | | | | |
| | DATA FOR 99 METRES(110 KERBS) | | | | | | |
| | AVERAGE WEIGHT OF A KERB STONE | 62.90 | KG | | | | |
| | NO.OF KERBS PER TRIP IN A 7 TON LORRY SAY | 110.00 | NOS. | | | | |
| | AVERAGE TRANSPORT DISTANCE | 100.00 | KM | SAY | | | |
| | HIRE CHARGES TWO WAY FOR LORRY | 200.00 | KM | B0-127 | 36,186.00 | | |
| | FOR LOADING & UNLOADING: | | | | | | |
| | LABOUR U/SK (4 X 2 HOURS) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | | | | | 38,436.00 | | |
| | TOTAL FOR 99 METRE LENGTH FOR 100 KM TRANSPORT | | | | 38,436.00 | | |
| | RATE FOR 1 LINEAR METRE-KILO METRE | | | T1-043 | 3.88 | | |
| | | | | SAY | 3.90 | 0.23 | 3.67 |

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|--------|--|-------------------------|------|------------|--------------|--------------|--------------|
| T1-044 | FOR BRIDGE WORKS, INCLUDING LOADING AND UNLOADING : | | | | | | |
| | DATA FOR 68.5 METRES(75 KERBS) | | | | | | |
| | AVERAGE WEIGHT OF A KERB STONE | 91.00 | KG | | | | |
| | NO.OF KERBS PER TRIP IN A 7 TON LORRY | (7000/91 = 76.92) | | | | | |
| | AVERAGE TRANSPORT DISTANCE SAY | 75.00 | NOS. | | | | |
| | HIRE CHARGES TWO WAY FOR LORRY | 100.00 | KM | | | | |
| | FOR LOADING & UNLOADING: | 200.00 | KM | B0-127 | 36,186.00 | | |
| | LABOUR U/SK (6 X 2 HOURS) | 1.50 | DAY | B0-004 | 3,375.00 | | |
| | | | | | 39,561.00 | | |
| | TOTAL FOR 68.5 METRE LENGTH FOR 100 KM TRANSPORT | | | | 39,561.00 | | |
| | RATE FOR 1 LINEAR METRE-KILO METRE | | | T1-044 | 5.78 | | |
| | | | | SAY | 5.80 | 0.49 | 5.31 |
| T1-045 | TRANSPORT OF PRECAST CONCRETE HAND RAILS, UP-RIGHTS AND JOINTS FOR BRIDGE WORKS, INCLUDING LOADING AND UNLOADING : | | | | | | |
| | DATA FOR TOTAL 38 METRES LENGTH HAND | | | | | | |
| | RAILING (19 METRE LENGTH PER SIDE) (PER STD TYPE DRAWING-T/B/102/B) : | | | | | | |
| | AVERAGE WEIGHT OF A HAND RAIL | 47.85 | KG | | | | |
| | AVERAGE WEIGHT OF AN UPRIGHT | 55.49 | KG | | | | |
| | AVER. WEIGHT OF A COLLAR JOINT HALF | 3.05 | KG | | | | |
| | TOTAL NOS. HAND RAILS | 48.00 | NOS. | | | | |
| | TOTAL NOS. UPRIGHTS | 36.00 | NOS. | | | | |
| | TOTAL NOS. COLLAR JOINT HALVES | 54.00 | NOS. | | | | |
| | TOTAL WEIGHT TO TRANSPORT | 5,125.25 | KG | | | | |
| | AVERAGE TRANSPORT DISTANCE SAY | 100.00 | KM | | | | |
| | HIRE CHARGES TWO WAY FOR 5 TON LORRY | 200.00 | KM | B0-126 | 30,608.00 | | |
| | FOR LOADING & UNLOADING: | | | | | | |
| | LABOUR U/SK (4 X 2 HOURS) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | | | | | 32,858.00 | | |
| | TOTAL FOR 38 METRE LENGTH FOR 100 KM TRANSPORT | | | | 32,858.00 | | |
| | RATE FOR 1 LINEAR METRE-KILO METRE | | | T1-045 | 8.65 | | |
| | | | | SAY | 8.65 | 0.59 | 8.06 |
| T1-046 | TRANSPORT OF PRECAST CONCRETE SLABS 450X450X50 MM FOR FOOT WALKS, INCLUDING LOADING AND UNLOADING : | | | | | | |
| | DATA FOR 25 SQ.METERS(124 SLABS) | | | | | | |
| | AVERAGE WEIGHT OF A SLAB | 23.00 | KG | | | | |
| | NO.OF SLABS PER TRIP IN A 3 TON LORRY | (124 X 23 KG = 2852 KG) | | | | | |
| | AVERAGE TRANSPORT DISTANCE SAY | 124.00 | NOS. | | | | |
| | HIRE CHARGES TWO WAY FOR LORRY | 100.00 | KM | | | | |
| | FOR LOADING & UNLOADING: | 200.00 | KM | B0-125 | 25,256.00 | | |
| | LABOUR U/SK (4 X 1.5 HOURS) | 0.75 | DAY | B0-004 | 1,687.50 | | |
| | | | | | 26,943.50 | | |
| | TOTAL FOR 25 SQ.METRE AREA FOR 100 KM TRANSPORT | | | | 26,943.50 | | |
| | RATE FOR 1 SQ.METRE-KILO METRE | | | T1-046 | 10.78 | | |
| | | | | SAY | 10.80 | 0.68 | 10.13 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|---|----------|-----------|------------|--------------|--------------|--------------|
| T1-047 | TRANSPORT OF PRECAST STANDARD BOUNDARY MARKERS INCLUDING UNLOADING ONLY * : | | | | | | |
| | DATA FOR 70 STANDARD BOUNDARY MARKERS | | | | | | |
| | AVERAGE WEIGHT OF A BOUND. MARKER | 94.81 | KG | | | | |
| | NO.OF MARKERS PER TRIP IN A 7 TON LORRY (7000/95 = 73.68) | 70.00 | NOS. | | | | |
| | AVERAGE TRANSPORT DISTANCE | 100.00 | KM | | | | |
| | HIRE CHARGES TWO WAY FOR LORRY | 200.00 | KM | B0-127 | 36,186.00 | | |
| | FOR UNLOADING ONLY: | | | | | | |
| | LABOUR U/SK (6 X 1 HOUR) | 0.75 | DAY | B0-004 | 1,687.50 | | |
| | | | | | 37,873.50 | | |
| | TOTAL FOR 70 MARKERS PER 100 KM TRANSPORT | | | | 37,873.50 | | |
| | RATE FOR 1 NO PER KILO METRE | | | T1-047 | 5.41 | | |
| | | | | SAY | 5.40 | 0.24 | 5.16 |
| | * SUPPLY RATE INCLUDE LOADING AT YARD. | | | | | | |
| T1-048 | TRANSPORT OF EMULSION | | | | | | |
| | DATA FOR 8000 LITERS PER 1 KM | | | | | | |
| | HIRE CHARGE FOR TANK TRUCK EMULSION | 1.00 | KM | B0-153 | 248.25 | | |
| | LITERS OF EMULSION TRANSPORTED | 8,000.00 | LITERS | | | | |
| | TRANSPORT COST PER 100 LITERS OF EMULSION | 1.00 | 100LTR/KM | | 6.21 | | |
| | RATE FOR 100 LITERS PER KILO METRE | | | T1-048 | 6.21 | | |
| | | | | SAY | 6.25 | 0.00 | 6.25 |
| T1-049 | TRANSPORT OF GABION MESH 4X1X1 M SIZE | | | | | | |
| | DATA FOR 206 NOS PER 188 KM | | | | | | |
| | AVERAGE TRANSPORT DISTANCE | 188.00 | KM | | | | |
| | NUMBER OF MESH BOXES TO BE TRANSPORTED BY TWO LORRIES | 206.00 | NOS | | | | |
| | LORRY 3 TONN | 376.00 | KM | B0-125 | 47,481.28 | | |
| | LORRY 5 TONN | 376.00 | KM | B0-126 | 57,543.04 | | |
| | LABOUR - U/SK FOR LOADING AND UNLOADING | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | | | | | 106,149.32 | | |
| | TRANSPORT COST FOR 206 NOS FOR 188 KM | | | | 106,149.32 | | |
| | TRANSPORT RATE FOR 1 NO. MESH PER 1 KM | | | T1-050 | 2.74 | | |
| | | | | SAY | 2.75 | 0.03 | 2.72 |

* * *

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--|--|----------|------|------------|-----------------|-----------------|-----------------|
| SECTION II | | | | | | | |
| ===== | | | | | | | |
| ROADWAY AND FOUNDATION / TRENCH EXCAVATION | | | | | | | |
| (INCLUDING LOADING, UNLOADING AND TRANSPORTING WITHIN 25 METERS DISTANCE UNLESS OTHERWISE SPECIFIED.) | | | | | | | |
| * NOTE: FOR ROADWAY EXCAVATIONS INVOLVING MORE THAN 200 CU.M, MACHINE RATES SHOULD BE ADOPTED | | | | | | | |
| ----- | | | | | | | |
| E1-001 | EXCAVATION IN LOOSE SOIL (DRY) [SSCM 301.2(IV)] : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS BASKETS | 0.33 | NO. | B0-631 | 56.25 100.00 | | |
| | | | | | 2,406.25 | | |
| | COST PER 2.83 CU.M | | | | 2,406.25 | | |
| | RATE PER 1 CU.M | | | E1-001 | 850.27 | | |
| | | | | SAY | 850.25 | 795.05 | 55.20 |
| E1-002 | EXCAVATION IN LOOSE SOIL (WET) IN SLIPS [SSCM 301.3(0)] : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 1.25 | DAY | B0-004 | 2,812.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS BASKETS | 0.33 | NO. | B0-631 | 70.31 100.00 | | |
| | | | | | 2,982.81 | | |
| | COST PER 2.83 CU.M | | | | 2,982.81 | | |
| | RATE PER 1 CU.M | | | E1-002 | 1,054.00 | | |
| | | | | SAY | 1,054.00 | 993.82 | 60.18 |
| E1-003 | EXCAVATION IN ORDINARY SOIL (CUTTING MEASUREMENT) [SSCM 301.2(V)] : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 1.50 | DAY | B0-004 | 3,375.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS BASKETS | 0.33 | NO. | B0-631 | 84.38 100.00 | | |
| | | | | | 3,559.38 | | |
| | COST PER 2.83 CU.M | | | | 3,559.38 | | |
| | RATE PER 1 CU.M | | | E1-003 | 1,257.73 | | |
| | | | | SAY | 1,257.75 | 1,192.58 | 65.17 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|--|----------|------|------------|--------------|--------------|--------------|
| E1-004 | EXCAVATION IN ORDINARY SOIL (VEHICLE MEASUREMENT) [SSCM 301.2(V)] : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 1.50 | DAY | B0-004 | 3,375.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 84.38 | | |
| | BASKETS | 0.33 | NO. | B0-631 | 100.00 | | |
| | LESS 10% OF TOTAL FOR BULKING | | | | 355.94 | | |
| | | | | | ----- | | |
| | | | | | 3,203.44 | | |
| | COST PER 2.83 CU.M | | | | ----- | | |
| | | | | | 3,203.44 | | |
| | RATE PER 1 CU.M | | | E1-004 | 1,131.96 | | |
| | | | | | ===== | | |
| | | | | SAY | 1,131.95 | 1,073.32 | 58.63 |
| E1-005 | EXCAVATION IN MEDIUM SOIL (CUTTING MEASUREMENT) [SSCM 301.2(VI)] : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 112.50 | | |
| | BASKETS | 0.33 | NO. | B0-631 | 100.00 | | |
| | | | | | ----- | | |
| | | | | | 4,712.50 | | |
| | COST PER 2.83 CU.M | | | | ----- | | |
| | | | | | 4,712.50 | | |
| | RATE PER 1 CU.M | | | E1-005 | 1,665.19 | | |
| | | | | | ===== | | |
| | | | | SAY | 1,665.20 | 1,590.11 | 75.09 |
| E1-006 | EXCAVATION IN MEDIUM SOIL (VEHICLE MEASUREMENT) [SSCM 301.2(VI)] : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 112.50 | | |
| | BASKETS | 0.33 | NO. | B0-631 | 100.00 | | |
| | LESS 15% OF TOTAL FOR BULKING | | | | 706.88 | | |
| | | | | | ----- | | |
| | | | | | 4,005.63 | | |
| | COST PER 2.83 CU.M | | | | ----- | | |
| | | | | | 4,005.63 | | |
| | RATE PER 1 CU.M | | | E1-006 | 1,415.42 | | |
| | | | | | ===== | | |
| | | | | SAY | 1,415.40 | 1,351.59 | 63.81 |
| E1-007 | EXCAVATION IN HARD SOIL (CUTTING MEASUREMENT) [SSCM 301.2(VII)] : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 168.75 | | |
| | BASKETS | 0.33 | NO. | B0-631 | 100.00 | | |
| | | | | | ----- | | |
| | | | | | 7,018.75 | | |
| | COST PER 2.83 CU.M | | | | ----- | | |
| | | | | | 7,018.75 | | |
| | RATE PER 1 CU.M | | | E1-007 | 2,480.12 | | |
| | | | | | ===== | | |
| | | | | SAY | 2,480.10 | 2,385.16 | 94.94 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--|--|----------|------|------------|--------------|--------------|--------------|
| E1-008 | EXCAVATION IN HARD SOIL (VEHICLE MEASUREMENT) [SSCM 301.2(VII)] : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 168.75 | | |
| | BASKETS | 0.33 | NO. | B0-631 | 100.00 | | |
| | LESS 15% OF TOTAL FOR BULKING | | | | 1,052.81 | | |
| | | | | | 5,965.94 | | |
| | COST PER 2.83 CU.M | | | | 5,965.94 | | |
| | RATE PER 1 CU.M | | | E1-008 | 2,108.11 | | |
| | | | | SAY | 2,108.10 | 2,027.39 | 80.71 |
| E1-009 | EXCAVATION IN UNCLASSIFIED SOIL (CUTTING MEASUREMENT) [SSCM 301.2 a(I)] : | | | | | | |
| | DATA FOR 1 CU.M | | | | | | |
| | RATE @ E1-003 | | | | 1,257.73 | | |
| | RATE @ E1-005 | | | | 1,665.19 | | |
| | RATE @ E1-007 | | | | 2,480.12 | | |
| | AVERAGE COST PER 1 CU. M | | | | 1,801.02 | | |
| | RATE PER 1 CU.M | | | E1-009 | 1,801.02 | | |
| | | | | SAY | 1,801.00 | 1,722.61 | 78.39 |
| NOTE : SEE ITEM NOS. FROM E1-027 ON PAGE 27 FOR ROADWAY EXCAVATION USING MACHINERY. | | | | | | | |
| E1-010 | EXCAVATION IN SOFT ROCK (CUTTING MEASUREMENT) [SSCM 301.2(VII)] : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 3.25 | DAYS | B0-004 | 7,312.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 182.81 | | |
| | BASKETS | 0.33 | NO. | B0-631 | 100.00 | | |
| | | | | | 7,595.31 | | |
| | COST PER 2.83 CU.M | | | | 7,595.31 | | |
| | RATE PER 1 CU.M | | | E1-010 | 2,683.86 | | |
| | | | | SAY | 2,683.85 | 2,583.92 | 99.93 |
| E1-010 A | EXCAVATION IN MUD/MARSHY MATERIAL (CUTTING MEASUREMENT) [SSCM 301.2(VII)] : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 2.50 | DAYS | B0-004 | 5,625.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 140.63 | | |
| | BASKETS | 0.33 | NO. | B0-631 | 100.00 | | |
| | | | | | 5,865.63 | | |
| | COST PER 2.83 CU.M | | | | 5,865.63 | | |
| | RATE PER 1 CU.M | | | E1-010 A | 2,072.66 | | |
| | | | | SAY | 2,072.65 | 1,987.63 | 85.02 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|---|----------|------|------------|------------------|--------------|--------------|
| E1-011 | EXCAVATION PIT/TRENCH FOR FOUNDATION IN ORDINARY SOIL NOT EXCEEDING 1.5 M. DEEP, INCLUDING LEVELLING AND RAMMING BOTTOM, EXCAVATED MATERIAL DEPOSITED AT SITE WITH IN 25 M OR AS DIRECTED. * (SHORING, DEWATERING IF NECESSARY SHALL BE PAID SEPARATELY) [SSCM 302.1-302.3] : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS BASKETS | 0.33 | NO. | B0-631 | 112.50 100.00 | | |
| | | | | | 4,712.50 | | |
| | COST PER 2.83 CU.M | | | | 4,712.50 | | |
| | RATE PER 1 CU.M | | | E1-011 | 1,665.19 | | |
| | | | | SAY | 1,665.20 | 1,590.11 | 75.09 |
| | * SEE GENERAL NOTES 24(3) FOR DETAILS REGARDING ADDITIONAL EXCAVATION REQUIRED FOR WORKING SPACE. | | | | | | |
| E1-012 | DITTO - MEDIUM SOIL, - DO - DO - : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 2.50 | DAYS | B0-004 | 5,625.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS BASKETS | 0.33 | NO. | B0-631 | 140.63 100.00 | | |
| | | | | | 5,865.63 | | |
| | COST PER 2.83 CU.M | | | | 5,865.63 | | |
| | RATE PER 1 CU.M | | | E1-012 | 2,072.66 | | |
| | | | | SAY | 2,072.65 | 1,987.63 | 85.02 |
| E1-013 | DITTO - HARD SOIL, - DO - DO - : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 3.50 | DAYS | B0-004 | 7,875.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS BASKETS | 0.33 | NO. | B0-631 | 196.88 100.00 | | |
| | | | | | 8,171.88 | | |
| | COST PER 2.83 CU.M | | | | 8,171.88 | | |
| | RATE PER 1 CU.M | | | E1-013 | 2,887.59 | | |
| | | | | SAY | 2,887.60 | 2,782.69 | 104.91 |
| E1-014 | DITTO - IN UNCLASSIFIED SOIL, - DO - DO - : | | | | | | |
| | DATA FOR 1 CU.M | | | | | | |
| | RATE @ E1-011M | | | | 1,665.19 | | |
| | RATE @ E1-012M | | | | 2,072.66 | | |
| | RATE @ E1-013M | | | | 2,887.59 | | |
| | AVERAGE COST PER 1 CU. M | | | | 2,208.48 | | |
| | RATE PER 1 CU.M | | | E1-014 | 2,208.48 | | |
| | | | | SAY | 2,208.50 | 2,120.14 | 88.36 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|---|----------|------|------------|--------------|--------------|--------------|
| E1-015 | DITTO - MUD/MARSHY MATERIAL, - DO - DO - : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 168.75 | | |
| | BASKETS(PANS) | 0.33 | NO. | B0-631 | 100.00 | | |
| | | | | | 7,018.75 | | |
| | COST PER 2.83 CU.M | | | | 7,018.75 | | |
| | RATE PER 1 CU.M | | | E1-015 | 2,480.12 | | |
| | | | | SAY | 2,480.10 | 2,385.16 | 94.94 |
| | * ITEM NOS. E1-016 TO E1-018 DELETED | | | | | | |
| E1-019 | EXCAVATING SOFT ROCK, NOT EXCEEDING 1.5 M DEPTH [SSCM 301.2(II)] : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 225.00 | | |
| | BASKETS | 0.33 | NO. | B0-631 | 100.00 | | |
| | | | | | 9,325.00 | | |
| | COST PER 2.83 CU.M | | | | 9,325.00 | | |
| | RATE PER 1 CU.M | | | E1-019 | 3,295.05 | | |
| | | | | SAY | 3,295.05 | 3,180.21 | 114.84 |
| | * NOTE: EXCAVATING ROCK FOR FOUNDATION TO BE PAID ON S.S.R. | | | | | | |
| | * ITEM NO. E1-020 DELETED. | | | | | | |
| E1-021 | PILING AVAILABLE SOIL : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 0.25 | DAYS | B0-004 | 562.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 14.06 | | |
| | | | | | 576.56 | | |
| | COST PER 2.83 CU.M | | | | 576.56 | | |
| | RATE PER 1 CU.M | | | E1-021 | 203.73 | | |
| | | | | SAY | 203.75 | 198.76 | 4.99 |
| E1-022 | LOADING AVAILABLE SOIL TO A TRACTOR OR: EQUIVALENT . | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 0.33 | DAYS | B0-004 | 742.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 18.56 | | |
| | | | | | 761.06 | | |
| | COST PER 2.83 CU.M | | | | 761.06 | | |
| | RATE PER 1 CU.M | | | E1-022 | 268.93 | | |
| | | | | SAY | 268.95 | 262.37 | 6.58 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|--|----------|------|------------|-----------------|-----------------|-----------------|
| E1-023 | EXCAVATING ROCK, REQUIRING BLASTING, FOR ROADWAY AND AT QUARRY FOR BOULDERS (EXCLUDING DOZING AWAY [SSCM 301.2(III) & 306.1 - 306.4] : | | | | | | |
| | DATA FOR 32 CU.M (BANK MEASUREMENT) | | | | | | |
| | (A) BLAST HOLE DRILLING | | | | | | |
| | CONSIDER 1.5 M X 1.5 M HOLE PATTERN DRILL RATE = 68 M/8 HRS OUTPUT PER HR = 32 CU.M | | | | | | |
| | EQUIPMENT (DRILLING) | | | | | | |
| | * TRACK DRILL CRAWLER (Wet lease) | 1.50 | HOUR | B0-143 | 3,782.04 | | |
| | * COMPRESSOR AIR CFM 750(Wet lease) | 1.50 | HOUR | B0-144 | 16,666.37 | | |
| | COST PER 32 CU.M | | | (A) | 20,448.41 | | |
| | (B) CHARGING/STEMMING BLAST HOLES | | | | | | |
| | MATERIAL | | | | | | |
| | WATER GEL | 13.50 | KG | B0-506 | 50,259.15 | | |
| | AMMONIUM NITRATE | 15.39 | KG | B0-507 | 21,607.56 | | |
| | DETONATORS | 7.00 | NO | B0-504 | 1,157.10 | | |
| | FUSE | 8.00 | M | B0-502 | 6,647.20 | | |
| | DIESELENE | 1.85 | LTR. | B0-612 | 671.55 | | |
| | SUB TOTAL | | | | 80,342.56 | | |
| | LABOUR | | | | | | |
| | BLASTER (SK A) 1 NO X 1 HOUR | 0.13 | DAY | B0-001 | 387.50 | | |
| | LABOUR (SK B) 2 NOS X 1 HOUR | 0.25 | DAY | B0-002 | 700.00 | | |
| | LABOUR (S/SK.) 2 NOS X 1 HOUR | 0.25 | DAY | B0-003 | 575.00 | | |
| | SUB TOTAL | | | | 1,662.50 | | |
| | COST PER 32 CU.M | | | (B) | 82,005.06 | | |
| | | | | (A)+(B) | 102,453.47 | | |
| | TOTAL COST PER 32 CU.M | | | | 102,453.47 | | |
| | RATE PER 1 CU.M (Bank Measure)) | | | E1-023 | 3,201.67 | | |
| | | | | SAY | 3,201.65 | 51.95 | 3,149.70 |
| E1-024 | BOULDERS SLEDGING, PILING, ETC.: | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (SK-B) | 1.00 | DAY | B0-002 | 2,800.00 | | |
| | LABOUR (U/SK) | 2.00 | DAY | B0-004 | 4,500.00 | | |
| | FOR COLLECT, PREPARE DEPOT & PILING: | | | | | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | LABOUR (S/SK) | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 267.50 | | |
| | | | | | 10,967.50 | | |
| | COST PER 2.83 CU.M | | | | 10,967.50 | | |
| | RATE PER 1 CU.M | | | E1-024 | 3,875.44 | | |
| | | | | SAY | 3,875.45 | 3,780.92 | 94.53 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|---|----------|-----------------|------------|-----------------|-----------------|-----------------|
| E1-025 | ROCK REQUIRING BLASTING : | | | | | | |
| | DATA FOR 2.83 CU.M (BANK MEASUREMENT) | | | | | | |
| | LABOUR (SK A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (SK B) | 2.00 | DAYS | B0-002 | 5,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 217.50 | | |
| | ALLOW FOR FUEL FORGE ETC. | 1.00 | ITEM | B0-723 | 220.00 | | |
| | POWDER | 0.34 | KG | B0-501 | 698.87 | | |
| | FUSE | 3.05 | M | B0-502 | 2,532.58 | | |
| | STEEL | 0.45 | KG | B0-503 | 317.32 | | |
| | | | | | 12,686.27 | | |
| | COST PER 2.83 CU.M | | | | 12,686.27 | | |
| | RATE PER 1 CU.M | | | E1-025 | 4,482.78 | | |
| | | | | SAY | 4,482.80 | 3,074.20 | 1,408.60 |
| E1-026 | ROCK REQUIRING BLASTING SLEDGING AND PILING : | | | | | | |
| | DATA FOR 2.83 CU.M (BANK MEASUREMENT) | | | | | | |
| | LABOUR (SK A) MINER | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (SK B) SLEDGER | 1.50 | DAYS | B0-002 | 4,200.00 | | |
| | LABOUR (U/SK) COLLECT | 1.50 | DAY | B0-004 | 3,375.00 | | |
| | LABOUR (S/SK) PILING | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 295.63 | | |
| | ALLOW FOR FUEL FORGE ETC. | 1.00 | ITEM | B0-723 | 220.00 | | |
| | POWDER | 0.34 | KG | B0-501 | 698.87 | | |
| | FUSE | 3.05 | M | B0-502 | 2,532.58 | | |
| | STEEL | 0.45 | KG | B0-503 | 317.32 | | |
| | | | | | 15,889.40 | | |
| | COST PER 2.83 CU.M | | | | 15,889.40 | | |
| | RATE PER 1 CU.M | | | E1-026 | 5,614.63 | | |
| | | | | SAY | 5,614.65 | 4,178.45 | 1,436.20 |
| E1-027 | ROADWAY EXCAVATION IN UNCLASSIFIED SOIL USING MACHINERY EXCLUDING LOADING AND PILING. (CUTTING MEASUREMENT) | | | | | | |
| | DATA FOR 1 HOUR EXCAVATION MACHINE EXCAVATOR MOBILE .4 CU.M BUCKET DOZER TYPE D4-E | | | | | | |
| | DOZER EXCAVATION PER HR. | 16.11 | CU.M (BANK VOL) | | | | |
| | EXCAVATOR OUTPUT PER HOUR | 38.96 | CU.M (BANK VOL) | | | | |
| | TOTAL OUTPUT PER HOUR | 55.07 | CU.M (BANK VOL) | | | | |
| | HIRE RATE FOR DOZER WET LEASE | 1.00 | HOUR | B0-154 | 7,741.10 | | |
| | HIRE RATE FOR EXCAVATOR WET LEASE | 1.00 | HOUR | B0-155 | 11,433.47 | | |
| | COST OF BANKS MEN S/SK | 2.00 | HOUR | B0-003 | 575.00 | | |
| | TOTAL COST ON EXCAVATION PER HOUR | | | | 19,749.57 | | |
| | RATE PER 1 CU.M (CUTTING MEASUREMENT) | | | E1-027 | 358.63 | | |
| | | | | SAY | 358.65 | 10.44 | 348.21 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|----------|---|----------|-----------------|------------|-----------------|-----------------|-----------------|
| E1-028 | LOADING MATERIAL BY MACHINERY IN ROADWAY EXCAVATIONS (CUTTING MEASUREMENT) | | | | | | |
| | DATA FOR 5 HOUR WORKING BY LOADER AS IN BORROW EXCAVATION | | | | | | |
| | OUTPUT FOR 5 HOURS | 337.50 | CU.M(LOOSE) | | | | |
| | EFFICENCY OF WORKING | 85.00 | % | | | | |
| | OUTPUT IN 5 HOURS AT 85% EFFICENCY | 286.88 | CU.M(LOOSE) | | | | |
| | BULKING | 15.00 | % | | | | |
| | OUTPUT IN 5 HOURS AT 85% EFFICENCY | 249.46 | CU.M (BANK VOL) | | | | |
| | OUT PUT PER HOUR | 49.89 | CU.M (BANK VOL) | | | | |
| | HIRE CHARGES FOR LOADER FOR | 1.00 | HOURS | B0-124 | 6,283.16 | | |
| | COST OF BANKS MAN S/SK | 1.00 | HOUR | B0-003 | 287.50 | | |
| | TOTAL COST PER | 49.89 | CU.M (BANK VOL) | | 6,570.66 | | |
| | RATE PER 1 CU.M (CUTTING MEASUREMENT) | | | E1-028 | 131.70 | | |
| | | | | SAY | 131.70 | 5.76 | 125.94 |
| E1-029 | TRIMMING / CAMBERING BY MOTOR GRADER (CUTTING MEASUREMENT) | | | | | | |
| | DATA FOR 1025 SQ.M FOR A 200 MM THICK LAYER | | | | | | |
| | VOLUME OF SOIL IN THE AREA | 205.00 | CU.M (BANK VOL) | | | | |
| | GRADER BLADE EFFICENCY | 85.00 | % | | | | |
| | TIME FOR 4 PASSES IN 1025 SQ M AREA | 1.50 | HOURS | | | | |
| | HIRE CHARGES 120-140 HP MOTOR GRADER | 1.50 | HOURS | B0-114 | 8,582.92 | | |
| | COST OF BANKS MAN S/SK | 1.50 | HOUR | B0-003 | 431.25 | | |
| | TOTAL COST PER | 205.00 | CU.M (BANK VOL) | | 9,014.17 | | |
| | RATE PER 1 CU.M (CUTTING MEASUREMENT) | | | E1-029 | 43.97 | | |
| | | | | SAY | 43.95 | 2.10 | 41.85 |
| E1-029A | TRIMMING / CAMBERING BY MOTOR GRADER (CUTTING MEASUREMENT) | | | | | | |
| | RATE PER 1 SQ.M | | | E1-029A | 8.79 | | |
| | | | | SAY | 8.80 | 0.42 | 8.38 |
| E1 - 030 | ROCK BLASTING USING CHEMICAL POWDER FALLEN ROCKS OF BOULDERS > 1 M3 (ONLY FOR ESSENTIAL CONDITIONS) EXCLUDING LOADING & TRANSPORTING AFTER BREAKING | | | | | | |
| | DATA FOR 300 CU.M | | | | | | |
| | LABOUR (SK A) | 25.00 | DAYS | B0-001 | 77,500.00 | | |
| | LABOUR (U/SK) | 25.00 | DAYS | B0-004 | 56,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 3,343.75 | | |
| | CRACKING POWDER | 5,500.00 | KG | B0-509 | 1,008,425.00 | | |
| | ALLOW 2.5% FOR TRANSPORT OF CRACKING POWDER | | | | 25,210.63 | | |
| | ROCK DRILL HAND HELD | 300.00 | HOURS | B0-158 | 148,323.00 | | |
| | AIR COMPRESSOR (250 C.F.M.) | 300.00 | HOURS | B0-156 | 2,091,867.00 | | |
| | TOTAL COST PER 300 CU.M. | | | | 3,410,919.38 | | |
| | TOTAL COST PER 1 CU.M. | | | E1 - 030 | 11,369.73 | | |
| | | | | SAY | 11,369.75 | 445.83 | 10,923.92 |

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HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---|---|----------|------|------------|-----------------|-----------------|-----------------|
| SECTION III ===== | | | | | | | |
| AGGREGATE / RUBBLE PILING INCLUDING LOADING ----- | | | | | | | |
| A1-001 | SLEDGING AVAILABLE ROCK 150-225 MM RUBBLE INCLUDING PILING & LOADING : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (SK/B) | 1.00 | DAY | B0-002 | 2,800.00 | | |
| | LABOUR (U/SK) | 1.50 | DAYS | B0-004 | 3,375.00 | | |
| | LABOUR (S/SK) | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 211.88 | | |
| | | | | | ----- | | |
| | | | | | 8,686.88 | | |
| | | | | | ----- | | |
| | COST PER 2.83 CU.M | | | | 8,686.88 | | |
| | RATE PER 1 CU.M | | | A1-001 | 3,069.57 | | |
| | | | | | ===== | | |
| | | | | SAY | 3,069.55 | 2,994.70 | 74.85 |
| A1-002 | BLASTING ETC. & PILING 150-225MM RUBBLE INCLUDING LOADING : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (SK/A) MINER | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (SK/B) SLEDGER | 1.00 | DAY | B0-002 | 2,800.00 | | |
| | COLLECT, PREPARE DEPOT PILING, LOADING ETC. | | | | | | |
| | LABOUR (U/SK) | 1.50 | DAYS | B0-004 | 3,375.00 | | |
| | LABOUR (S/SK) LOADING, PILING ETC. | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 289.38 | | |
| | ALLOW FOR FUEL FORGE ETC. | 1.00 | ITEM | B0-723 | 220.00 | | |
| | POWDER | 0.34 | KG | B0-501 | 698.87 | | |
| | FUSE | 3.05 | M | B0-502 | 2,532.58 | | |
| | STEEL | 0.45 | KG | B0-503 | 317.32 | | |
| | | | | | ----- | | |
| | | | | | 15,633.15 | | |
| | | | | | ----- | | |
| | COST PER 2.83 CU.M | | | | 15,633.15 | | |
| | RATE PER 1 CU.M(PILED) INCLUDING LOADING | | | A1-002 | 5,524.08 | | |
| | | | | | ===== | | |
| | | | | SAY | 5,524.10 | 4090.11 | 1,433.99 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|---------------------|------------|--------------|------------------|--------------|
| A1-002A | BLASTING SLEDGING ETC. & PILING 150-225MM RUBBLE USING COMPRESSOR & HAND HELD DRILLS INCLUDING LOADING : | | | | | | |
| | DATA FOR 60 CU.M (BANK MEASURE) | | | | | | |
| | AIR COMPRESSOR 250 CFM | | | | | | |
| | 2 NOS. ROCK DRILL 37.5 MM BIT 100 CFM | | | | | | |
| | CONSIDER DRILLING PATTERN 1MX1M GRID X 1.7M DEPTH | 1.70 | M HOLE DEPTH | | | | |
| | BLAST DEPTH | 1.50 | M | | | | |
| | PRODUCTION PER HOLE [1X1X1.5] | 1.50 | CU.M | | | | |
| | ASSUME NO. OF HOLES PER BLAST | 20.00 | NOS. | | | | |
| | PRODUCTION PER BLAST CYCLE | 30.00 | CU.M (BANK MEASURE) | | | | |
| | RATE OF DRILLING PER MINUTE | 0.15 | M | | | | |
| | TIME FOR 2 DRILLS FOR 20 HOLES [((1.7/.15)X20)/2/60] | 1.89 | HOURS | | | | |
| | ASSUME TIME PER CYCLE INCLUDING CHARGING, BLASTING | | | | | | |
| | DOZING ETC. | 4.00 | HOURS | | | | |
| | PRODUCTION PER DAY | 60.00 | CU.M (BANK MEASURE) | | | | |
| | ASSUMED BULKING AFTER PILING | 20.00 | % | | | | |
| | LABOUR SK'A' MINER | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR U/SK SLEDGING | 20.00 | DAY | B0-004 | 45,000.00 | | |
| | LABOUR S/SK PILING ETC. | 15.00 | DAY | B0-003 | 34,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 2,065.00 | | |
| | DRILL STEEL | 68.00 | METER | B0-649 | 10,204.08 | | |
| | WATER GEL | 25.20 | KG | B0-506 | 93,817.08 | | |
| | AMMONIUM NITRATE | 28.80 | KG | B0-507 | 40,435.20 | | |
| | DETONATORS | 13.00 | NO. | B0-504 | 2,148.90 | | |
| | FUSE | 15.00 | M | B0-502 | 12,463.50 | | |
| | DIESELENE | 3.46 | LTR | B0-612 | 1,254.53 | | |
| | COMPRESSOR 250 CFM | 8.00 | HOURS | B0-156 | 55,783.12 | | |
| | ROCK DRILL HAND HELD | 8.00 | HOURS | B0-158 | 3,955.28 | | |
| | WHEEL LOADER | 0.75 | DAY | B0-124A | 30,428.65 | | |
| | COST PER 60 CU.M | | | | 335,155.34 | | |
| | COST PER 60 CU.M (BANK MEASURE) | | | | 335,155.34 | | |
| | RATE PER 1 CU.M (BANK MEASURE) | | | | 5,585.92 | | |
| | RATE PER 1 CU.M (PILED) | | | | | | |
| | | | | A1-002A | 4,654.94 | | |
| | | | | SAY | 4,654.95 | 1,147.22 | 3,507.73 |
| A1-003 | BLASTING ETC. & PILING 100 MM AGGREGATE, INCLUDING LOADING : | 1.00 | CU.M | B0-303 | 2,826.86 | | |
| | RATE PER 1 CU.M | | | A1-003 | 2,826.86 | | |
| | | | | SAY | 2,826.85 | External Sources | |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|---|----------|------|------------|-----------------|------------------|-----------------|
| A1-004 | BLASTING ETC. & PILING 75 MM AGGREGATE INCLUDING LOADING : | 1.00 | CU.M | B0-304 | 2,826.86 | | |
| | RATE PER 1 CU.M | | | A1-004 | 2,826.86 | | |
| | | | | SAY | 2,826.85 | External Sources | |
| A1-005 | BLASTING ETC. & PILING 50 MM AGGREGATE INCLUDING LOADING : | 1.00 | CU.M | B0-305 | 2,826.86 | | |
| | RATE PER 1 CU.M | | | A1-005 | 2,826.86 | | |
| | | | | SAY | 2,826.85 | External Sources | |
| A1-006 | BLASTING ETC. & PILING 37.5 MM AGGREGATE INCLUDING LOADING : | | | | | | |
| | | | | | | | ITEM DELETED |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|--|----------|------|------------|--------------|--------------|------------------|
| A1-010 | 37.5 MM AGGREGATE, SINGLE SIZE CRUSHER PRODUCTION INCLUDING PILING AND LOADING [SSCM404.1-406.1] : | | | | | | |
| | DATA FOR 1 CU.M | | | | | | |
| | EX-PLANT | 1.00 | CU.M | B0-310 | 2,826.86 | | |
| | RATE PER 1 CU.M | | | A1-010 | 2,826.86 | | |
| | | | | SAY | 2,826.85 | | External Sources |
| A1-011 | 19 MM AGGREGATE, SINGLE SIZE CRUSHER PRODUCTION INCLUDING PILING AND LOADING [SSCM404.1-406.1] : | | | | | | |
| | DATA FOR 1 CU.M | | | | | | |
| | EX-PLANT | 1.00 | CU.M | B0-308A | 3,533.57 | | |
| | RATE PER 1 CU.M | | | A1-011 | 3,533.57 | | |
| | | | | SAY | 3,533.55 | | External Sources |
| A1-012 | 12.5 MM AGGREGATE, SINGLE SIZE CRUSHER PRODUCTION INCLUDING PILING AND LOADING FOR 1.0 CU.M : | | | | | | |
| | DATA FOR 1 CU.M | | | | | | |
| | EX-PLANT | 1.00 | CU.M | B0-309 | 2,950.45 | | |
| | RATE PER 1 CU.M | | | A1-012 | 2,950.45 | | |
| | | | | SAY | 2,950.45 | | External Sources |
| | PLANT PRODUCED AGGREGATE FOR DENSE GRADED AGGREGATE BASE COURSE | | | | | | |
| A1-013 | AGGREGATE 37.5 MM, DOWN GRADED (SSCM - TABLE 1701.5) INCLUDING PILING & LOADING : | | | | | | |
| | DATA FOR 1 CU.M | | | | | | |
| | EX-PLANT | 1.00 | CU.M | B0-313 | 2,296.82 | | |
| | RATE PER 1 CU.M | | | A1-013 | 2,296.82 | | |
| | | | | SAY | 2,296.80 | | External Sources |
| A1-014 | CRUSHER FINES 6.3 MM DOWN, INCLUDING PILING AND LOADING FOR 1.0 CU.M : | | | | | | |
| | DATA FOR 1 CU.M | | | | | | |
| | EX-PLANT | 1.00 | CU.M | B0-312 | 1,943.46 | | |
| | RATE PER 1 CU.M | | | A1-014 | 1,943.46 | | |
| | | | | SAY | 1,943.45 | | External Sources |

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|--------|---|----------|------|------------|--------------|--------------|------------------|
| A1-015 | AGGREGATE 19 MM FOR SEAL COAT TREATMENTS AS PER SSCM TABLE 1701-8, INCLUDING - DO - | | | | | | |
| | DATA FOR 1 CU.M | | | | | | |
| | EX-PLANT | 1.00 | CU.M | B0-314 | 3,533.57 | | |
| | RATE PER 1 CU.M | | | A1-015 | 3,533.57 | | |
| | | | | SAY | 3,533.55 | | External Sources |
| A1-016 | AGGREGATE 12.5 MM FOR SEAL COAT TREATMENTS AS PER SSCM TABLE 1701-8, INCLUDING - DO - | | | | | | |
| | DATA FOR 1 CU.M | | | | | | |
| | EX-PLANT | 1.00 | CU.M | B0-315 | 2,950.45 | | |
| | RATE PER 1 CU.M | | | A1-016 | 2,950.45 | | |
| | | | | SAY | 2,950.45 | | External Sources |
| A1-017 | BLENDED AGGREGATE FOR RECTIFICATION OVERLAY, WITH 37.5 MM SINGLE SIZE AGGREGATE AND 19 MM & 12.5 MM CRUSHED AGGREGATE MIXED IN THE VOLUME RATIO OF 7:2:1 INCLUDING MIXING AND LOADING.(PILING TO PAY SEPARATELY): * | | | | | | |
| | DATA FOR MIXED VOLUME OF 28.3 CU.M | | | | | | |
| | ASSUME 15% & 20% EXTRA VOLUME FOR 19 MM AND 12.5 MM AGGREGATE RESPECTIVELY ON ACCOUNT OF FILLING UP OF VOIDS. | | | | | | |
| | 37.5 MM AGGRREGATE (LESS PILING) | 19.81 | CU.M | B0-310 | 51,874.57 | | |
| | 19 MM AGGREGATE - DO - (2X2.83X1.15) | 6.51 | CU.M | B0-308A | 21,647.83 | | |
| | 12.5 MM AGG. - DO - (1X2.83X1.20) | 3.40 | CU.M | B0-309 | 9,323.48 | | |
| | PLANT FOR MIXING: | | | | | | |
| | LOADER-1.7 CU.M, @ 100 CU.M/4 HRS. | 0.14 | DAY | B0-116A | 5,227.22 | | |
| | | | | | 88,073.09 | | |
| | COST OF 28.3 CU.M INCLUDING BLENDING | | | | 88,073.09 | | |
| | RATE PER 1 CU.M OF BLENDED AGGREGATE | | | A1-017 | 3,112.12 | | |
| | | | | SAY | 3,112.10 | 0.00 | 3,112.10 |
| | NOTE: PRIOR APPROVAL OF THE P.DD SHOULD BE OBTAINED FOR THE USE OF BLENDED AGGREGATE IN RECTIFICATION OVERLAY CONSTRUCTION WORK. | | | | | | |
| A1-018 | PILING AVAILABLE AGGREGATE: | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (S/SK) | 0.25 | DAY | B0-003 | 575.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 14.38 | | |
| | | | | | 589.38 | | |
| | COST PER 2.83 CU.M | | | | 589.38 | | |
| | RATE PER 1 CU.M | | | A1-018 | 208.26 | | |
| | | | | SAY | 208.25 | 203.18 | 5.07 |

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|--------|--------------------------------------|----------|------|------------|--------------|--------------|--------------|
| A1-019 | PILING AVAILABLE RUBBLE: | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (S/SK) | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 28.75 | | |
| | | | | | 1,178.75 | | |
| | COST PER 2.83 CU.M | | | | 1,178.75 | | |
| | RATE PER 1 CU.M | | | A1-019 | 416.52 | | |
| | | | | SAY | 416.50 | 406.36 | 10.14 |
| A1-020 | LOADING AVAILABLE AGGREGATE/RUBBLE : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 28.13 | | |
| | | | | | 1,153.13 | | |
| | COST PER 2.83 CU.M | | | | 1,153.13 | | |
| | RATE PER 1 CU.M | | | A1-020 | 407.46 | | |
| | | | | SAY | 407.45 | 397.53 | 9.92 |

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|---------|--|----------|------|------------|--------------|--------------|--------------|
| | SECTION IV ===== | | | | | | |
| | APPROVED EARTH FILLING & COMPACTION ----- | | | | | | |
| | * NOTE ----- | | | | | | |
| | RATES FOR BORROW EARTH SUPPLY GIVEN UNDER ITEM CODES EW1-001 & EW1-011 IN THIS SCHEDULE ARE BASED ON MANUAL EXCAVATION AND INTENDED FOR SMALL WORKS INVOLVING LESS THAN 200 CU.M. IN THE CASE OF BORROW EARTH SUPPLY EXCEEDS 200 CU.M(FOR THE WHOLE PROJECT), RATES BASED ON MACHINE EXCAVATION AS PER B0-201, B0-202, EW1-013 OR EW1-014 SHALL BE ADOPTED. FOR ANY DEVIATIONS THE PROCEDURE GIVEN IN "GENERAL NOTES" SHALL BE FOLLOWED. | | | | | | |
| EW1-001 | APPROVED SOIL (TYPE I & II MATERIALS) EXCAVATION FOR SUB BASES & SHOULDER CONSTRUCTION INCLUDING LOADING AND PILING. (LOOSE VOLUME) [SSCM 601.1 TO 601.4] : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | EXCAVATING-AS IN E1-008 | 2.83 | CU.M | E1-008 | 5,965.92 | | |
| | LABOUR (U/SK) | 0.33 | DAY | B0-004 | 742.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 18.56 | | |
| | BASKETS (1/6) | 0.17 | NO. | B0-631 | 50.00 | | |
| | | | | | ----- | | |
| | | | | | 6,776.99 | | |
| | | | | | ----- | | |
| | COST PER 2.83 CU.M | | | | 6,776.99 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME) | | | EW1-001 | 2,394.69 | | |
| | | | | | ===== | | |
| | | | | SAY | 2,394.70 | 2,289.75 | 104.95 |
| EW1-002 | SPREADING PILED APPROVED SOIL (LOOSE VOLUME): | | | | | | |
| | DATA FOR 22.65 CU.M | | | | | | |
| | LABOUR (U/SK) | 2.50 | DAYS | B0-004 | 5,625.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 140.63 | | |
| | BASKETS | 2.25 | NOS. | B0-631 | 675.00 | | |
| | | | | | ----- | | |
| | | | | | 6,440.63 | | |
| | | | | | ----- | | |
| | COST PER 22.65 CU.M | | | | 6,440.63 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME) | | | EW1-002 | 284.35 | | |
| | | | | | ===== | | |
| | | | | SAY | 284.35 | 248.34 | 36.01 |

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|----------|--|----------|-------|------------|--------------|--------------|--------------|
| EW1-003 | APPROVED SOIL SPREAD & ROLLED INCLUDING ROLLER HIRE CHARGES, FUEL & WATERING (LOOSE VOLUME)* [SSCM 601.1 TO 4] : | | | | | | |
| | * SEE GENERAL NOTES SECTION 26.4 FOR RATE ON COMPACTED VOLUME. | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | SPREADING-AS IN EW1-002 | 2.83 | CU.M | EW1-002 | 804.71 | | |
| | WATERING | 2.83 | CU.M | B0-784 | 77.83 | | |
| | ROLLER CHARGES(8-10 TONS) | 0.04255 | DAY | B0-111 | 833.18 | | |
| | | | | | 1,715.72 | | |
| | COST PER 2.83 CU.M | | | | 1,715.72 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME) | | | EW1-003 | 606.26 | | |
| | | | | SAY | 606.25 | 248.34 | 357.91 |
| | NOTE* THE ITEMS EW1-003 OR EW1-004 ON MANUAL SPREADING SHOULD BE ADOPTED ON APPROVAL BY PD / CE FOR SMALL WORKS ONLY. WHEN MACHINERY IS USED FOR SPREADING AND COMPACTION, EW1-003A SHALL BE ADOPTED. | | | | | | |
| EW1-003A | APPROVED SOIL SPREAD & ROLLED USING MACHINERY INCLUDING MOTOR GRADER & ROLLER HIRE CHARGES, FUEL & WATERING (LOOSE VOLUME)* [SSCM 601.1 TO 4] : | | | | | | |
| | * SEE GENERAL NOTES SECTION 26.4 FOR RATE ON COMPACTED VOLUME. | | | | | | |
| | DATA FOR 210 CU.M | | | | | | |
| | MOTOR GRADER (120-140 HP) | 2.50 | HOURS | B0-114 | 14,304.87 | | |
| | WATERING | 210.00 | CU.M | B0-784 | 5,775.00 | | |
| | ROLLER CHARGES (VIBRATING 10 TONS) | 1.00 | DAY | B0-110 | 35,810.63 | | |
| | | | | | 55,890.50 | | |
| | | | | | 55,890.50 | | |
| | | | | EW1-003A | 266.15 | | |
| | | | | SAY | 266.15 | 0.00 | 266.15 |
| EW1-004 | APPROVED SOIL SPREAD & ROLLED IN STRIPS WHERE AVERAGE WIDTH IS LESS THAN 1.2 METRES FOR ROAD WIDENING, INCLUDING ROLLER HIRE CHARGES, FUEL & WATERING (LOOSE VOLUME)* [SSCM 601.1 TO 4] : | | | | | | |
| | * SEE GENERAL NOTES SECTION 26.4 FOR RATE ON COMPACTED VOLUME. ASSUMING 50 CU.M COPACTION PER DAY | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | SPREADING-AS IN EW1-002 | 2.83 | CU.M | EW1-002 | 804.71 | | |
| | WATERING | 2.83 | CU.M | B0-784 | 77.83 | | |
| | ROLLER CHARGES(8-10 TONS) | 0.06 | DAY | B0-111 | 1,174.79 | | |
| | | | | | 2,057.32 | | |
| | COST PER 2.83 CU.M | | | | 2,057.32 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME) | | | EW1-004 | 726.97 | | |
| | | | | SAY | 726.95 | 248.34 | 478.61 |

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|------------------------|---|----------|------|------------|--------------|--------------|--------------|
| EW1-005 DELETED | | | | | | | |
| EW1-006 | APPROVED SOIL SPREAD AND COMPACTED IN PLACES BEHIND ABUTMENTS AND STRUCTURES, SHOULDERS ABOVE SUB BASE LEVEL AND IN SERVICE LINE TRENCHES, USING 1/2 TO 1 TON VIBRATING ROLLER INCLUDING WATERING (LOOSE VOLUME): | | | | | | |
| | * SEE GENERAL NOTES SECTION 26.4 FOR RATE ON COMPACTED VOLUME. | | | | | | |
| | DATA FOR 7 CU.M (LOOSE) | | | | | | |
| | LABOUR - U/SK FOR TRANS. & SPREADING | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 56.25 | | |
| | BASKET | 0.75 | NO. | B0-631 | 225.00 | | |
| | VIB. ROLLER (1/2 - 1 TON) 2 HOURS | 0.25 | DAY | B0-109 | 2,275.05 | | |
| | WATERING | 7.00 | ITEM | B0-784 | 192.50 | | |
| | | | | | 4,998.80 | | |
| | COST PER 7 CU.M | | | | 4,998.80 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME) | | | EW1-006 | 714.11 | | |
| | | | | SAY | 714.10 | 321.43 | 392.67 |
| EW1-007 | APPROVED SOIL SPREAD AND COMPACTED IN 150 TO 225 MM THICK LAYERS USING MACHINE RAMMER AT NARROW PLACES (LOOSE VOLUME) : | | | | | | |
| | DATA FOR 7 CU.M (LOOSE VOLUME) | | | | | | |
| | LABOUR - U/SK FOR TRANS. & SPREADING | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 56.25 | | |
| | BASKET | 0.75 | NO. | B0-631 | 225.00 | | |
| | RAMMER - 60 KG | 0.50 | DAY | B0-108 | 2,023.50 | | |
| | WATERING | 6.00 | ITEM | B0-784 | 165.00 | | |
| | | | | | 4,719.75 | | |
| | COST PER 7 CU.M | | | | 4,719.75 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME) | | | EW1-007 | 674.25 | | |
| | | | | SAY | 674.25 | 321.43 | 352.82 |
| EW1-008 | SPREADING, LEVELLING AND COMPACTING MANUALLY USING STANDARD CAST IRON STAMPER OR EQUIVALENT AND FILLING IN 150-225 MM THICK LAYERS (LOOSE VOLUME) : | | | | | | |
| | DATA FOR 5.66 CU.M | | | | | | |
| | LABOUR (U/SK) - SPREADING & COMPACT. | 2.25 | DAYS | B0-004 | 5,062.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 126.56 | | |
| | | | | | 5,189.06 | | |
| | COST PER 5.66 CU.M | | | | 5,189.06 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME) | | | EW1-008 | 916.80 | | |
| | | | | SAY | 916.80 | 894.43 | 22.37 |

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|----------------|---|----------|------|------------|--------------|--------------|--------------|
| EW1-009 | TRIMMING, LEVELLING AND COMPACTION OF ORIGINAL GROUND/SUBGRADE TO 100% STD. DENSITY. [SSCM 304.3(C)] : | | | | | | |
| | DATA FOR 1000 SQ.M | | | | | | |
| | LABOUR SK'B' | 1.00 | DAY | B0-002 | 2,800.00 | | |
| | LABOUR U/SK | 2.00 | DAY | B0-004 | 4,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 182.50 | | |
| | MOTOR GRADER (120-140 HP) SCARIFYING AND SPREADING) - MINIMUM | 0.50 | DAY | B0-114 | 22,887.79 | | |
| | WATER BOWSER (6000 LTRS) | 0.50 | DAY | B0-128 | 12,367.59 | | |
| | VIBRATING ROLLER (SMOOTH 10 TON) [2X6 HOURS] | 1.50 | DAYS | B0-110 | 53,715.95 | | |
| | | | | | 96,453.82 | | |
| | COST PER 1000 SQ.M | | | | 96,453.82 | | |
| | RATE PER 1 SQ.M | | | EW1-009 | 96.45 | | |
| | | | | SAY | 96.45 | 7.30 | 89.15 |
| EW1-010 | TRIMMING, LEVELLING AND COMPACTION OF ORIGINAL GROUND/SUBGRADE TO 95% STD. DENSITY. [SSCM 304.3(C)] : | | | | | | |
| | DATA FOR 1100 SQ.M | | | | | | |
| | LABOUR SK'B' | 1.00 | DAY | B0-002 | 2,800.00 | | |
| | LABOUR U/SK | 2.00 | DAY | B0-004 | 4,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 182.50 | | |
| | MOTOR GRADER (120-140 HP) SCARIFYING AND SPREADING) - MINIMUM | 0.50 | DAY | B0-114 | 22,887.79 | | |
| | WATER BOWSER (6000 LTRS) | 0.50 | DAY | B0-128 | 12,367.59 | | |
| | VIBRATING ROLLER (SMOOTH 10 TON) [2X6 HOURS] | 1.50 | DAYS | B0-110 | 53,715.95 | | |
| | | | | | 96,453.82 | | |
| | COST PER 1100 SQ.M | | | | 96,453.82 | | |
| | RATE PER 1 SQ.M | | | EW1-010 | 87.69 | | |
| | | | | SAY | 87.70 | 6.64 | 81.06 |
| EW1-011 | APPROVED SOIL EXCAVATION FOR EMBANKMENT FILLING INCLUDING LOADING AND PILING (LOOSE VOLUME) [SSCM 601.1 TO 601.4] | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | EXCAVATING-AS IN E1-006 | 2.83 | CU.M | E1-006 | 4,005.58 | | |
| | LABOUR (U/SK) | 0.33 | DAY | B0-004 | 742.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 18.56 | | |
| | BASKETS (1/6) | 0.17 | NO. | B0-631 | 50.00 | | |
| | | | | | 4,816.64 | | |
| | COST PER 2.83 CU.M | | | | 4,816.64 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME) | | | EW1-011 | 1,701.99 | | |
| | | | | SAY | 1,702.00 | 1,613.96 | 88.04 |
| EW1-012 | DELETED | | | | | | |

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|---------|--|----------|-------------|------------|--------------|--------------|--------------|
| EW1-013 | APPROVED SOIL (TYPE I & II MATERIALS) EXCAVATION USING MACHINERY FOR SUB BASES & SHOULDER CONSTRUCTION INCLUDING LOADING AND PILING. (LOOSE VOLUME) [SSCM 601.1 TO 604.4] : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | EXCAVATING APPROVED MATERIAL | 2.83 | CU.M | B0-201 | 3,000.00 | | |
| | LABOUR (U/SK) | 0.25 | DAY | B0-004 | 562.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 14.06 | | |
| | | | | | ----- | | |
| | | | | | 3,576.56 | | |
| | | | | | ----- | | |
| | COST PER 2.83 CU.M | | | | 3,576.56 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME) | | | EW1-013 | 1,263.80 | | |
| | | | | | ===== | | |
| | | | | SAY | 1,263.80 | 198.76 | 1,065.04 |
| EW1-014 | APPROVED SOIL(TYPE I & II) EXCAVATION USING MACHINERY FOR EMBANKMENT FILLING INCLUDING LOADING AND PILING (LOOSE VOLUME) [SSCM 601.1 TO 604.4] | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | EXCAVATING APPROVED MATERIAL | 2.83 | CU.M | B0-202 | 2,000.00 | | |
| | LABOUR (U/SK) | 0.25 | DAY | B0-004 | 562.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 14.06 | | |
| | | | | | ----- | | |
| | | | | | 2,576.56 | | |
| | | | | | ----- | | |
| | COST PER 2.83 CU.M | | | | 2,576.56 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME) | | | EW1-014 | 910.45 | | |
| | | | | | ===== | | |
| | | | | SAY | 910.45 | 198.76 | 711.69 |
| EW1-015 | GRADING AND SPREADING BY MOTOR GRADER | | | | | | |
| | DATA FOR OUT PUT IN 6 HOURS SPREADING & COMPACTION | | | | | | |
| | ASSUMED OUTPUT PER HOUR | 35.00 | CU.M(LOOSE) | | | | |
| | TOTAL OUTPUT IN 6 HOURS | 210.00 | CU.M(LOOSE) | | | | |
| | ACTUAL GRADING TIME EXCLUDING FOR WATERING AND COMPACTION DURING 6 HOUR DURATION | 3.00 | HOURS | | | | |
| | COST ON MOTOR GRADER | 3.00 | HOURS | B0-114 | 17,165.84 | | |
| | | | | | ----- | | |
| | TOTAL COST PER 210 CU.M | | | | 17,165.84 | | |
| | RATE PER CU.M (LOOSE) | | | EW1-015 | 81.74 | | |
| | | | | | ===== | | |
| | | | | SAY | 81.75 | 0.00 | 81.75 |

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HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------------------------------------|--------------------------------|----------|------|------------|--------------|--------------|--------------|
| SECTION V | | | | | | | |
| RUBBLE PITCHING / PAVING | | | | | | | |
| (RUBBLE TO BE PAID SEPARATELY) | | | | | | | |
| P1-001 | PITCHED PAVING 225 MM THICK: | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | LABOUR (S/SK) | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 115.00 | | |
| | | | | | 4,715.00 | | |
| | COST PER 9.29 SQ.M | | | | 4,715.00 | | |
| | RATE PER 1 SQ.M | | | P1-001 | 507.53 | | |
| | | | | SAY | 507.55 | 495.16 | 12.39 |
| P1-002 | PITCHED PAVING 150 MM THICK: | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | LABOUR (S/SK) | 1.50 | DAYS | B0-003 | 3,450.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 86.25 | | |
| | | | | | 3,536.25 | | |
| | COST PER 9.29 SQ.M | | | | 3,536.25 | | |
| | RATE PER 1 SQ.M | | | P1-002 | 380.65 | | |
| | | | | SAY | 380.65 | 371.37 | 9.28 |
| P1-003 | FLAT PAVING 225 MM THICK: | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | LABOUR (S/SK) | 1.33 | DAY | B0-003 | 3,059.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 76.48 | | |
| | | | | | 3,135.48 | | |
| | COST PER 9.29 SQ.M | | | | 3,135.48 | | |
| | RATE PER 1 SQ.M | | | P1-003 | 337.51 | | |
| | | | | SAY | 337.50 | 329.28 | 8.22 |
| P1-004 | FLAT PAVING 150 MM THICK: | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | LABOUR (S/SK) | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 57.50 | | |
| | | | | | 2,357.50 | | |
| | COST PER 9.29 SQ.M | | | | 2,357.50 | | |
| | RATE PER 1 SQ.M | | | P1-004 | 253.77 | | |
| | | | | SAY | 253.75 | 247.58 | 6.17 |

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HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--|--|----------|------|------------|-----------------|-----------------|-----------------|
| SECTION VI | | | | | | | |
| ===== | | | | | | | |
| AGGREGATE SPREADING & COMPACTION | | | | | | | |
| ===== | | | | | | | |
| COST OF WATERING TO BE DEDUCTED FROM RATE IF NOT CARRIED OUT UNDER THE RELEVANT ITEMS. | | | | | | | |
| <p>NOTE: COST OF AGGREGATE SUPPLY AND TRANSPORT, NOT INCLUDED IN THE RATES FOR ITEMS: M1-001, M1-004,M1-007,M1-008 AND M1-009</p> | | | | | | | |
| M1-001 | SPREADING, WATERING & ROLLING 100 MM AGGREGATE INCLUDING HIRE CHARGES OF ROLLER. (LOOSE VOLUME) [SSCM 304.3(d),(e)]: | | | | | | |
| | DATA FOR 22.65 CU.M | | | | | | |
| | LABOUR (S/SK) | 5.00 | DAY | B0-003 | 11,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS BASKETS | | | | 287.50 | | |
| | ALLOW FOR WATERING | 4.00 | NOS. | B0-631 | 1,200.00 | | |
| | ROLLER CHARGES ETC.(8-10 TONS) | 22.65 | CU.M | B0-785 | 872.03 | | |
| | | 0.84 | DAY | B0-111 | 16,447.03 | | |
| | | | | | ----- | | |
| | | | | | 30,306.56 | | |
| | COST PER 22.65 CU.M | | | | ----- | | |
| | | | | | 30,306.56 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME) | | | M1-001 | 1,338.04 | | |
| | | | | | ===== | | |
| | | | | SAY | 1,338.05 | 507.73 | 830.32 |
| M1-002 | BREAKING ROAD SURFACE TO 50 MM DEPTH BY HAND, SCREEN & REPLACE OLD AGGREGATE. : | | | | | | |
| | DATA FOR 306.58 SQ.M | | | | | | |
| | PICKING: | | | | | | |
| | LABOUR (SK/A) | 0.25 | DAY | B0-001 | 775.00 | | |
| | LABOUR (U/SK) | 11.00 | DAYS | B0-004 | 24,750.00 | | |
| | REMOVING PICKED AGGREGATE/SCREENING: | | | | | | |
| | LABOUR (U/SK) | 6.00 | DAYS | B0-004 | 13,500.00 | | |
| | SPREADING OLD AGGREGATE: | | | | | | |
| | LABOUR (S/SK) | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 1,090.63 | | |
| | ALLOW FOR FUEL ETC. | 1.00 | ITEM | B0-720 | 110.00 | | |
| | BASKETS | 3.00 | NOS. | B0-631 | 900.00 | | |
| | | | | | ----- | | |
| | | | | | 45,725.63 | | |
| | COST PER 306.58 SQ.M | | | | ----- | | |
| | | | | | 45,725.63 | | |
| | RATE PER 1 SQ.M | | | M1-002 | 149.15 | | |
| | | | | | ===== | | |
| | | | | SAY | 149.15 | 142.30 | 6.85 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|---|----------|------|------------|--------------|--------------|--------------|
| M1-003 | SCARIFYING ROAD SURFACE TO 50 MM DEPTH BY MACHINERY, SCREEN, & REPLACE OLD AGGREGATE. : | | | | | | |
| | DATA FOR 306.58 SQ.M | | | | | | |
| | SCARIFYING: | | | | | | |
| | LABOUR (S/SK) | 0.25 | DAY | B0-003 | 575.00 | | |
| | REMOVING SCARIFIED AGGRE. & SCREENING: | | | | | | |
| | LABOUR (U/SK) | 6.00 | DAYS | B0-004 | 13,500.00 | | |
| | SPREADING OLD AGGREGATE: | | | | | | |
| | LABOUR (S/SK) | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 466.88 | | |
| | ALLOW FOR SHARPENING TYNES | 1.00 | ITEM | B0-752 | 110.00 | | |
| | BASKETS | 3.00 | NOS. | B0-631 | 900.00 | | |
| | ROLLER CHARGES ETC.(8-10 TONS) | 0.84 | DAY | B0-111 | 16,447.03 | | |
| | | | | | 36,598.91 | | |
| | COST PER 306.58 SQ.M | | | | 36,598.91 | | |
| | RATE PER 1 SQ.M | | | M1-003 | 119.38 | | |
| | | | | SAY | 119.40 | 60.91 | 58.49 |
| M1-004 | SPREADING & COMPACTING 50-19 MM NEW AGGREGATE BY ROLLER INCLUDING WATERING HIRE, ETC.(LOOSE VOLUME)[SSCM 403.3(c)]: | | | | | | |
| | DATA FOR 19.82 CU.M | | | | | | |
| | LABOUR (U/SK)-SCREENING | 2.75 | DAYS | B0-004 | 6,187.50 | | |
| | LABOUR (S/SK)-BLINDING | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | LABOUR (S/SK) | 5.25 | DAYS | B0-003 | 12,075.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 485.31 | | |
| | ROLLER CHARGES ETC.(8-10 TONS) | 0.84 | DAY | B0-111 | 16,447.03 | | |
| | HIGHER OF TRACTOR & TRAILER | 0.22 | DAY | B0-117 | 2,350.68 | | |
| | HIRE OF WATER TANK AND PUMP (50 MM) | 0.22 | DAY | B0-104 | 819.71 | | |
| | BASKETS | 3.50 | NOS | B0-631 | 1,050.00 | | |
| | | | | | 40,565.23 | | |
| | COST PER 19.82 CU.M | | | | 40,565.23 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME) | | | M1-004 | 2,046.68 | | |
| | | | | SAY | 2,046.70 | 979.44 | 1,067.26 |
| M1-005 | BREAKING 50 MM ADDITIONAL DEPTH BY HAND SCREENING & REPLACING OLD AGGREGATE. : | | | | | | |
| | DATA FOR 306.58 SQ.M | | | | | | |
| | LABOUR (SK/A) | 0.25 | DAY | B0-001 | 775.00 | | |
| | LABOUR (U/SK) - PICKING | 6.00 | DAYS | B0-004 | 13,500.00 | | |
| | LABOUR (U/SK) - PICK,SCREEN | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | LABOUR (S/SK) - SPREADING | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 640.63 | | |
| | ALLOW FOR FUEL ETC. | 1.00 | ITEM | B0-720 | 110.00 | | |
| | BASKETS | 3.00 | NOS. | B0-631 | 900.00 | | |
| | | | | | 27,275.63 | | |
| | COST PER 306.58 SQ.M | | | | 27,275.63 | | |
| | RATE PER 1 SQ.M | | | M1-005 | 88.97 | | |
| | | | | SAY | 88.95 | 83.58 | 5.37 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| M1-006 | SCARIFYING 50 MM ADDITIONAL DEPTH WITH MACHINERY, SCREENING & REPLACING OLD AGGREGATE. : | | | | | | |
| | DATA FOR 306.58 SQ.M | | | | | | |
| | LABOUR (S/SK)-SCARIFYING | 0.25 | DAY | B0-003 | 575.00 | | |
| | LABOUR (U/SK)-SCREEN | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | LABOUR (S/SK)-SPREADING | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 298.13 | | |
| | ALLOW FOR SHARPENING TYNES BASKETS | 1.00 | ITEM | B0-752 | 110.00 | | |
| | ROLLER CHARGES ETC.(8-10 TONS) | 3.00 | NOS | B0-631 | 900.00 | | |
| | | 0.84 | DAY | B0-111 | 16,447.03 | | |
| | | | | | 29,680.16 | | |
| | COST PER 306.58 SQ.M | | | | 29,680.16 | | |
| | RATE PER 1 SQ.M | | | M1-006 | 96.81 | | |
| | | | | SAY | 96.80 | 38.90 | 57.90 |
| M1-007 | SPREADING WATERING & COMPACTING 50-19 MM AGGREGATE IN EDGE CORRECTION USING ROLLER INCLUDING HIRE, ETC.(LOOSE VOLUME)[SSCM 1103.3]: | | | | | | |
| | DATA FOR 19.82 CU.M | | | | | | |
| | LABOUR (S/SK)-BLINDING | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | LABOUR (S/SK)-SPREADING | 5.25 | DAYS | B0-003 | 12,075.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 330.63 | | |
| | ROLLER CHARGES ETC.(8-10 TONS) | 1.75 | DAY | B0-111 | 34,264.65 | | |
| | HIGHER OF TRACTOR & TRAILER | 0.22 | DAY | B0-117 | 2,350.68 | | |
| | HIRE OF WATER TANK AND PUMP (50 MM) BASKETS | 0.22 | DAY | B0-104 | 819.71 | | |
| | | 3.50 | NOS. | B0-631 | 1,050.00 | | |
| | | | | | 52,040.66 | | |
| | COST PER 19.82 CU.M | | | | 52,040.66 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME) | | | M1-007 | 2,625.66 | | |
| | | | | SAY | 2,625.65 | 667.26 | 1,958.39 |
| M1-008 | SPREADING WATERING & COMPACTING 50-19 MM AGGREGATE IN EDGE CORRECTION USING ROLLER INCLUDING HIRE, ETC.(LOOSE VOLUME)[SSCM 1103.3]: | | | | | | |
| | DATA FOR 19.82 CU.M | | | | | | |
| | LABOUR (S/SK)-BLINDING | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | LABOUR (S/SK)-SPREADING | 5.25 | DAYS | B0-003 | 12,075.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 330.63 | | |
| | ROLLER CHARGES ETC.(8-10 TONS) | 1.24 | DAY | B0-111 | 24,278.95 | | |
| | HIGHER OF TRACTOR & TRAILER | 0.22 | DAY | B0-117 | 2,350.68 | | |
| | HIRE OF WATER TANK AND PUMP (50 MM) BASKETS | 0.22 | DAY | B0-104 | 819.71 | | |
| | | 3.50 | NOS. | B0-631 | 1,050.00 | | |
| | | | | | 42,054.97 | | |
| | COST PER 19.82 CU.M | | | | 42,054.97 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME) | | | M1-008 | 2,121.84 | | |
| | | | | SAY | 2,121.85 | 667.26 | 1,454.59 |
| M1 008A | 225X150MM RUBBLE FILLING AND CHOCKING WITH AGGREGATE BASE COURSE FOR SOFT GROUND TREATMENT (INCLUDING LOADING, UNLOADING AND TRANSPORT OF MATERIALS) | | | | | | |
| | DATA FOR 185.59 CU.M | | | | | | |
| | 225X150MM RUBBLE | 185.59 | CU.M | B0-301 | 459,056.54 | | |
| | AGGREGATE BASE COURSE | 13.88 | CU.M | B0-313 | 31,879.86 | | |
| | LABOUR (U/SK) | 11.25 | DAYS | B0-004 | 25,312.50 | | |
| | BACKHOE LOADER | 2.47 | DAY | B0-115 | 85,208.04 | | |
| | VIBRATING ROLLER 8 TON | 0.16 | DAY | B0-110 | 5,595.41 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 632.81 | | |
| | | | | | 607,685.16 | | |
| | COST PER 185.59 CU.M | | | | 607,685.16 | | |
| | RATE PER 1 CU.M | | | M1-008A | 3,274.34 | | |
| | | | | SAY | 3,274.35 | 136.39 | 3,137.96 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|--|----------|------|------------|--------------|--------------|--------------|
| M1-009 | SPREADING & COMPACTING 50-19 MM AGGREGATE BY 8-10 TON ROLLER AFTER APPLYING TACK COAT IN OVERLAY . (LOOSE VOLUME)(TACK COAT PAID SEPARATELY) : | | | | | | |
| | DATA FOR 19.82 CU.M | | | | | | |
| | LABOUR (S/SK)-BLINDING | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | LABOUR (S/SK)-SPREADING | 5.25 | DAYS | B0-003 | 12,075.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 330.63 | | |
| | ROLLER CHARGES ETC.(8-10 TONS) | 1.05 | DAYS | B0-111 | 20,558.79 | | |
| | HIGHER OF TRACTOR & TRAILER | 0.22 | DAY | B0-117 | 2,350.68 | | |
| | BASKETS | 3.50 | NOS. | B0-631 | 1,050.00 | | |
| | | | | | 37,515.09 | | |
| | COST PER 19.82 CU.M | | | | 37,515.09 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME) | | | M1-009 | 1,892.79 | | |
| | | | | SAY | 1,892.80 | 667.26 | 1,225.54 |
| M1-010 | WATER BOUND MACADAM - SPREADING WATERING AND COMPACTING 50-25 MM AGGREGATE AND FILLING THE VOIDS TO REFUSAL WITH CRUSHER FINES BY WATERING AND ROLLING TO FORM A WATER BOUND MACADAM BASE EXCLUDING TRANSPORT FOR AGGREGATES AND FINES. (LOOSE VOLUME) [(SSCM 404.1)]: | | | | | | |
| | DATA FOR 8.50 CU.M | | | | | | |
| | LABOUR (S/SK)-SPREADING | 3.00 | DAYS | B0-003 | 6,900.00 | | |
| | LABOUR (S/SK)-FILLING VOIDS | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | LABOUR (S/SK)-CLEANING | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 258.75 | | |
| | AGGREGATE 50-25 MM | 8.50 | CU.M | B0-310 | 22,258.06 | | |
| | CRUSHER FINES | 2.83 | CU.M | B0-312 | 5,500.00 | | |
| | ROLLER CHARGES ETC.(8-10 TONS) | 0.50 | DAY | B0-111 | 9,789.90 | | |
| | HIGHER OF TRACTOR & TRAILER | 0.50 | DAY | B0-117 | 5,342.45 | | |
| | HIRE OF WATER TANK AND PUMP (50 MM) | 0.50 | DAY | B0-104 | 1,862.98 | | |
| | | | | | 55,362.14 | | |
| | COST PER 8.50 CU.M | | | | 55,362.14 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME) * | | | M1-010 | 6,513.19 | | |
| | | | | SAY | 6,513.20 | 1,217.65 | 5,295.55 |
| * Note | IF AGGREGATE AND CRUSHER FINES ARE NOT PILED AND MEASURED BEFORE SPREADING, COST OF PILING AS PER A1-018 SHALL BE DEDUCTED FROM THE RATE. | | | | | | |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|-----------------------|---|----------|-------|------------|--------------|--------------|--------------|
| M1-011 | DRY BOUND MACADAM - SPREADING WATERING AND COMPACTING 50-25 MM AGGREGATE AND FILLING THE VOIDS TO REFUSAL WITH CRUSHER FINES BY ROLLING WITH VIBRATING ROLLER TO FORM A DRY BOUND MACADAM BASE EXCLUDING TRANSPORT FOR AGGREGATES AND FINES (LOOSE VOLUME)[SSCM 404.1]: | | | | | | |
| | DATA FOR 8.50 CU.M | | | | | | |
| | LABOUR (S/SK)-SPREADING | 3.00 | DAYS | B0-003 | 6,900.00 | | |
| | LABOUR (S/SK)-FILLING VOIDS | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | LABOUR (S/SK)-CLEANING | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 258.75 | | |
| | AGGREGATE 50-25 MM (LESS PILING) | 8.50 | CU.M | B0-310 | 22,258.06 | | |
| | CRUSHER FINES | 2.83 | CU.M | B0-312 | 5,500.00 | | |
| | ROLLER CHARGES ETC.(8-10 TONS) | 0.50 | DAY | B0-111 | 9,789.90 | | |
| | HIGHER OF TRACTOR & TRAILER | 0.25 | DAY | B0-117 | 2,671.23 | | |
| | HIRE OF WATER TANK AND PUMP (50 MM) | 0.25 | DAY | B0-104 | 931.49 | | |
| | | | | | 51,759.43 | | |
| | COST PER 8.50 CU.M | | | | 51,759.43 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME) | | | M1-011 | 6,089.34 | | |
| | | | | SAY | 6,089.35 | 1,217.65 | 4,871.70 |
| | * NOTE IF AGGREGATE AND CRUSHER FINES ARE NOT PILED AND MEASURED BEFORE SPREADING, COST OF PILING AS PER A1-018 SHALL BE DEDUCTED FROM THE RATE. | | | | | | |
| M1-012 DELETED | | | | | | | |
| M1-012A | DENSE GRADED AGGREGATE BASE [AGGREGATE BASE COURSE] - SPREADING, WATERING AND COMPACTING GRADED 37.5 MM AGGREGATE TO FORM A DENSE AGGREGATE BASE USING MACHINERY INCLUDING MOTOR GRADER & ROLLER HIRE CHARGES. TRANSPORT OF AGGREGATES TO BE PAID SEPARATELY (LOOSE VOLUME)[SSCM 405.1 TO 4]: | | | | | | |
| | DATA FOR | 170.00 | CU.M | | | | |
| | LABOUR S/SK - BLINDING & RAKING | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 115.00 | | |
| | GRADED AGGREGATE 37.5 | 170.00 | CU.M | B0-313 | 390,459.36 | | |
| | MOTOR GRADER (120-140 HP) | 6.00 | HOURS | B0-114 | 34,331.68 | | |
| | ROLLER CHARGES (VIBRATING 10 TONS) | 1.00 | DAY | B0-110 | 35,810.63 | | |
| | HIRE OF WATER BOWSER (6000 LTRS) | 0.25 | DAY | B0-128 | 6,183.79 | | |
| | | | | | 471,500.46 | | |
| | COST PER 170 CU.M | | | | 471,500.46 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME) | | | M1-012A | 2,773.53 | | |
| | | | | SAY | 2,773.55 | 27.06 | 2,746.49 |
| | IF THE AGGREGATE WAS NOT PILED AND MEASURED PRIOR TO SPREADING, PILING COST OF AGGREGATE AS PER A1-018 SHALL BE DEDUCTED. | | | | | | |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| M1-013 | DENSE GRADED AGGREGATE BASE [AGGREGATE BASE COURSE] SPREADING WATERING AND COMPACTING GRADED 37.5 MM AGGREGATE TO FORM A DENSE AGGREGATE BASE IN STRIPS, AVERAGE WIDTH NOT EXCEEDING 1.2 METERS, FOR ROAD WIDENING. EXCLUDING TRANSPORT OF AGGREGATES * (LOOSE VOLUME)[SSCM 405.1]: | | | | | | |
| | DATE FOR 19.82 CU.M | | | | | | |
| | LABOUR (S/SK)-SPREADING | 5.50 | DAYS | B0-003 | 12,650.00 | | |
| | LABOUR (S/SK)-BLINDING | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 345.00 | | |
| | GRADED AGGREGATE 37.5 MM | 19.82 | CU.M | B0-313 | 45,527.33 | | |
| | ROLLER CHARGES ETC.(8-10 TONS) | 1.24 | DAY | B0-111 | 24,254.48 | | |
| | HIGHER OF TRACTOR & TRAILER | 0.22 | DAY | B0-117 | 2,350.68 | | |
| | HIRE OF WATER TANK AND PUMP (50 MM) | 0.22 | DAY | B0-104 | 819.71 | | |
| | | | | | 87,097.20 | | |
| | COST PER 19.82 CU.M | | | | 87,097.20 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME)* | | | M1-013 | 4,394.41 | | |
| | | | | SAY | 4,394.40 | 696.27 | 3,698.13 |
| | * NOTE FOR THE RATE ON COMPACTED VOLUME, INCREASE LOOSE VOLUME RATE BY 42%. IF THE AGGREGATE WAS NOT PILED AND MEASURED PRIOR TO SPREADING, PILING COST OF AGGREGATE AS PER A1-018 SHALL BE DEDUCTED. | | | | | | |
| | NOTE* THE ITEM M1-013 ON MANUAL LABOUR SHOULD BE ADOPTED ON APPROVAL BY PD / CE FOR SMALL WORKS ONLY. WHEN MACHINERY IS USED FOR SPREADING AND COMPACTION, M1-012A / M1-013A SHALL BE ADOPTED DEPENDING ON SITE SITUATION. | | | | | | |
| M1-013A | GRADED 37.5 AGGREGATE BASE COURSE MATERIAL SPREAD & ROLLED IN STRIPS, AVERAGE WIDTH NOT EXCEEDING 1.2 METERS USING MACHINERY INCLUDING MOTOR GRADER & ROLLER HIRE CHARGES, FUEL & WATERING (LOOSE VOLUME)* [SSCM 405.1 TO 4] : TRANSPORT OF AGGREGATES TO BE PAID SEPARATELY | | | | | | |
| | DATA FOR 100 CU.M | | | | | | |
| | LABOUR S/SK - BLINDING & RAKING | 2.00 | DAY | B0-003 | 4,600.00 | | |
| | LABOUR U/SK | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 115.00 | | |
| | GRADED AGGREGATE 37.5 | 100.00 | CU.M | B0-313 | 229,681.98 | | |
| | MOTOR GRADER (65 HP) | 1.00 | DAY | B0-113 | 29,859.06 | | |
| | ROLLER CHARGES (1/2 TO 1 TON) | 3.00 | DAY | B0-109 | 27,300.63 | | |
| | HIRE OF WATER BOWSER (6000 LTRS) | 0.13 | DAY | B0-128 | 3,091.90 | | |
| | | | | | 296,898.57 | | |
| | COST PER 100 CU.M | | | | 296,898.57 | | |
| | RATE PER 1 CU.M (LOOSE VOLUME)* | | | M1-013A | 2,968.99 | | |
| | | | | SAY | 2,969.00 | 68.50 | 2,900.50 |
| | * NOTE FOR THE RATE ON COMPACTED VOLUME, INCREASE LOOSE VOLUME RATE BY 42%. IF THE AGGREGATE WAS NOT PILED AND MEASURED PRIOR TO SPREADING, PILING COST OF AGGREGATE AS PER A1-018 SHALL BE DEDUCTED. | | | | | | |

* * *

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--|--|----------|------|------------|--------------|--------------|--------------|
| SECTION VII | | | | | | | |
| ROAD SURFACE TREATMENT | | | | | | | |
| (SAND TRANSPORT UP TO 16 KM INCLUDED IN THE RATES. TRANSPORT OF BITUMEN EMULSION / BITUMEN TO BE PAID SEPARATELY.) | | | | | | | |
| S1-001 | BITUMEN(80/100) SURFACING FIRST COAT USING 2 LTR/SQ.M INCLUDING BLINDING WITH SAND AT THE RATE OF 125 SQ.M/CU.M [SSCM 503.1] : | | | | | | |
| | DATA FOR 372 SQ.M | | | | | | |
| | LABOUR (S/SK)/CLEARING SURFACE | 9.00 | DAYS | B0-003 | 20,700.00 | | |
| | LABOUR (U/SK)/TRANSPORT SAND | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 545.63 | | |
| | TAR BOILER | 1.00 | DAY | B0-101 | 100.00 | | |
| | BITUMEN | 744.00 | LTR | B0-351 | 140,533.33 | | |
| | SAND | 2.98 | CU.M | B0-331 | 11,889.62 | | |
| | FIREWOOD | 0.38 | CU.M | B0-395 | 1,066.66 | | |
| | BASKETS | 0.33 | NO | B0-631 | 100.00 | | |
| | | | | | 176,060.24 | | |
| | COST PER 372 SQ.M | | | | 176,060.24 | | |
| | RATE PER 1 SQ.M | | | S1-001 | 473.28 | | |
| | | | | SAY | 473.30 | 58.67 | 414.63 |
| S1-002 | BITUMEN(80/100) SURFACING FIRST COAT, USING 2 LTR/SQ.M, INCLUDING BLINDING WITH GRAVEL WHERE SAND IS NOT AVAILABLE WITHIN 16 KM. : | | | | | | |
| | DATA FOR 372 SQ.M | | | | | | |
| | LABOUR (S/SK) | 9.00 | DAYS | B0-003 | 20,700.00 | | |
| | LABOUR (U/SK) | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 545.63 | | |
| | TAR BOILER | 1.00 | DAY | B0-101 | 100.00 | | |
| | BITUMEN | 744.00 | LTR | B0-351 | 140,533.33 | | |
| | GRAVEL | 4.70 | CU.M | E1-008 | 9,909.38 | | |
| | FIREWOOD | 0.38 | CU.M | B0-395 | 1,066.66 | | |
| | BASKETS | 0.33 | NO | B0-631 | 100.00 | | |
| | | | | | 174,079.99 | | |
| | COST PER 372 SQ.M | | | | 174,079.99 | | |
| | RATE PER 1 SQ.M | | | S1-002 | 467.96 | | |
| | | | | SAY | 467.95 | 58.67 | 409.28 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|--|----------|-------|------------|--------------|--------------|--------------|
| S1-003 | DOUBLE BITUMINOUS SURFACE TREATMENT WITH HOT BITUMEN (MANUAL) INCLUDING INTERNAL TRANSPORT (BINDER AND AGGREGATE PAID SEPARATELY) [SSCM 505.b1 - 505.b5 & TABLE 505-b1]: | | | | | | |
| | DATA FOR 279 SQ.M | | | | | | |
| | LABOUR (U/SK)/CLEARING SURFACE ETC. | 3.50 | DAYS | B0-004 | 7,875.00 | | |
| | LABOUR (S/SK)-APPLY. 1ST COAT BITU. | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | LABOUR (S/SK)-SPR.MAT/CONT.VEHICLES | 1.75 | DAYS | B0-003 | 4,025.00 | | |
| | LABOUR (U/SK)-BRUSHING | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 440.63 | | |
| | FIREWOOD | 0.25 | CU.M | B0-395 | 711.10 | | |
| | BASKETS | 0.67 | NO | B0-631 | 201.00 | | |
| | HIRE OF TAR BOILER | 1.00 | DAY | B0-101 | 100.00 | | |
| | HIRE OF PNEUM. ROLLER (MINIMUM 4 HRS/DAY) | 4.00 | HOURS | B0-112 | 29,463.88 | | |
| | LABOUR (S/SK)-APPLY. 2ND COAT | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | LABOUR (S/SK) | 0.75 | DAY | B0-003 | 1,725.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 214.38 | | |
| | HIRE OF TAR BOILER | 1.00 | DAY | B0-101 | 100.00 | | |
| | FIREWOOD | 0.19 | CU.M | B0-395 | 533.33 | | |
| | BASKETS | 0.67 | NO | B0-631 | 200.00 | | |
| | HIRE OF PNEUM. ROLLER (MINIMUM 4 HRS/DAY) | 4.00 | HOURS | B0-112 | 29,463.88 | | |
| | TRACTOR & TRAIL.(1 & 2 COATS) | 1.00 | DAY | B0-117 | 10,684.90 | | |
| | | | | | 98,313.10 | | |
| | | | | | ----- | | |
| | COST PER 279 SQ.M | | | | 98,313.10 | | |
| | PER 1 SQ.M | | | S1-003 | 352.38 | | |
| | | | | | ===== | | |
| | | | | SAY | 352.40 | 93.91 | 258.49 |
| S1-004 | SINGLE BITUMINOUS SURFACE TREATMENT WITH HOT BITUMEN (MANUAL) INCLUDING INTERNAL TRANSPORT (BINDER AND AGGREGATE PAID SEPARATELY) [SSCM 505.b1 - 505.b5 & TABLE 505-b1]: | | | | | | |
| | DATA FOR 279 SQ.M | | | | | | |
| | LABOUR (U/SK)/CLEARING SURFACE & SWEEP ROAD ETC. | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | LABOUR (S/SK)/APPLY. BITUMEN | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | LABOUR (S/SK)/SPREADING | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (S/SK) - BRUSH. & CONT.VEHI | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 370.00 | | |
| | FIREWOOD | 0.38 | CU.M | B0-395 | 1,066.66 | | |
| | BASKETS | 0.67 | NO | B0-631 | 200.00 | | |
| | HIRE OF TAR BOILER | 1.00 | DAY | B0-101 | 100.00 | | |
| | HIRE OF PNEUM. ROLLER (MINIMUM 4 HRS/DAY) | 4.00 | HOURS | B0-112 | 29,463.88 | | |
| | TRACTOR & TRAILER | 0.50 | DAY | B0-117 | 5,342.45 | | |
| | | | | | 51,342.99 | | |
| | | | | | ----- | | |
| | COST PER 279 SQ.M | | | | 51,342.99 | | |
| | PER 1 SQ.M | | | S1-004 | 184.03 | | |
| | | | | | ===== | | |
| | | | | SAY | 184.05 | 53.05 | 131.00 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|---|----------|-------|------------|--------------|--------------|--------------|
| S1-005 | DOUBLE BITUMINOUS SURFACE TREATMENT WITH EMULSION(CRS-2)(MANUAL) INCLUDING INTERNAL TRANSPORT (BINDER AND AGGREGATE PAID SEPARATELY): | | | | | | |
| | DATA FOR 279 SQ.M | | | | | | |
| | LABOUR (U/SK)/CLEARING ETC. | 3.50 | DAYS | B0-004 | 7,875.00 | | |
| | LABOUR (S/SK)-APPLY. 1ST COAT EMUL. | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | LABOUR (S/SK)-SPR.MAT/CONT.VEHICLES | 1.75 | DAYS | B0-003 | 4,025.00 | | |
| | LABOUR (U/SK)/BRUSH | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 440.63 | | |
| | BASKETS | 0.67 | NO | B0-631 | 200.00 | | |
| | HIRE OF PNEUM. ROLLER (MINIMUM 4 HRS/DAY) | 4.00 | HOURS | B0-112 | 29,463.88 | | |
| | 2ND COAT: | | | | | | |
| | LABOUR (S/SK)/EMULSION | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | LABOUR (U/SK)/SCREENING | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | LABOUR (S/SK)/SPREADING | 0.75 | DAY | B0-003 | 1,725.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 214.38 | | |
| | BASKETS | 0.67 | NO | B0-631 | 200.00 | | |
| | HIRE OF PNEUM. ROLLER (MINIMUM 4 HRS/DAY) | 4.00 | HOURS | B0-112 | 29,463.88 | | |
| | TRACTOR & TRAILER (1ST & 2ND COAT) | 1.00 | DAY | B0-117 | 10,684.90 | | |
| | | | | | 96,867.66 | | |
| | COST PER 279 SQ.M | | | | 96,867.66 | | |
| | PER 1 SQ.M | | | S1-005 | 347.20 | | |
| | | | | SAY | 347.20 | 93.91 | 253.29 |
| S1-006 | SINGLE BITUMINOUS SURFACE TREATMENT WITH EMULSION(CRS-2)(MANUAL) INCLUDING INTERNAL TRANSPORT (BINDER AND AGGREGATE PAID SEPARATELY): | | | | | | |
| | DATA FOR 279 SQ.M | | | | | | |
| | LABOUR (U/SK)/CLEANING SURFACE ETC. | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | LABOUR (S/SK)/APPLY EMULSION | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | LABOUR (S/SK)/SPREADING | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (S/SK) - BRUSH. & CONT.VEHI | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 370.00 | | |
| | BASKETS | 0.67 | NO | B0-631 | 200.00 | | |
| | HIRE OF PNEUM. ROLLER (MINIMUM 4 HRS/DAY) | 4.00 | HOURS | B0-112 | 29,463.88 | | |
| | TRACTOR & TRAILER | 0.50 | DAY | B0-117 | 5,342.45 | | |
| | | | | | 50,176.33 | | |
| | COST PER 279 SQ.M | | | | 50,176.33 | | |
| | PER 1 SQ.M | | | S1-006 | 179.84 | | |
| | | | | SAY | 179.85 | 53.05 | 126.80 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|---|----------|-------|------------|--------------|--------------|--------------|
| S1-007 | BITUMEN(80/100) SURFACING SUBSEQUENT COAT USING 0.75 LTR/SQ.M INCLUDING BLINDING WITH SAND @ 125 SQ.M/CU.M [SSCM 503.1 (b)] : | | | | | | |
| | DATA FOR 372 SQ.M | | | | | | |
| | LABOUR (S/SK)/BITUMEN & BLINDING | 5.50 | DAYS | B0-003 | 12,650.00 | | |
| | LABOUR (U/SK)/INT.TRANSPORT/SAND | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 344.38 | | |
| | TAR BOILER | 1.00 | DAY | B0-101 | 100.00 | | |
| | BITUMEN | 279.00 | LTR | B0-351 | 52,700.00 | | |
| | SAND | 2.98 | CU.M | B0-331 | 11,889.62 | | |
| | FIREWOOD | 0.25 | CU.M | B0-395 | 703.99 | | |
| | BASKETS | 0.33 | NO | B0-631 | 100.00 | | |
| | | | | | 79,612.99 | | |
| | COST PER 372 SQ.M | | | | 79,612.99 | | |
| | PER 1 SQ.M | | | S1-007 | 214.01 | | |
| | | | | SAY | 214.00 | 37.03 | 176.97 |
| S1-008 | BITUMEN(80/100) SURFACING 2ND/SUBSEQUENT COAT USING 1.0 LTR/SQ.M INCLUDING BLINDING AT THE RATE OF 125 SQ.M/CU.M (NEW WORK)[SSCM 503.1(b)] : | | | | | | |
| | DATA FOR 372 SQ.M | | | | | | |
| | LABOUR (S/SK) | 5.50 | DAYS | B0-003 | 12,650.00 | | |
| | LABOUR (U/SK) | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 344.38 | | |
| | TAR BOILER | 1.00 | DAY | B0-101 | 100.00 | | |
| | BITUMEN | 372.00 | LTR | B0-351 | 70,266.67 | | |
| | SAND | 2.98 | CU.M | B0-331 | 11,889.62 | | |
| | FIREWOOD | 0.25 | CU.YD | B0-395 | 703.99 | | |
| | BASKETS | 0.33 | NO | B0-631 | 100.00 | | |
| | | | | | 97,179.66 | | |
| | COST PER 372 SQ.M | | | | 97,179.66 | | |
| | PER 1 SQ.M | | | S1-008 | 261.24 | | |
| | | | | SAY | 261.25 | 37.03 | 224.22 |
| S1-009 | BITUMEN(80/100) SURFACING SUBSEQUENT COAT USING 0.75 LTR/SQ.M INCLUDING BLINDING WITH GRAVEL FREE OF CLAY WHERE SAND IS NOT AVAILABLE WITHIN 16 KM [SSCM 503.2(b)]: | | | | | | |
| | DATA FOR 372 SQ.M | | | | | | |
| | LABOUR (S/SK) | 5.50 | DAYS | B0-003 | 12,650.00 | | |
| | LABOUR (U/SK) | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 344.38 | | |
| | TAR BOILER | 1.00 | DAY | B0-101 | 100.00 | | |
| | BITUMEN | 279.00 | LTR | B0-351 | 52,700.00 | | |
| | GRAVEL | 4.72 | CU.M | E1-008 | 9,949.18 | | |
| | FIREWOOD | 0.25 | CU.M | B0-395 | 703.99 | | |
| | BASKETS | 0.33 | NO | B0-631 | 100.00 | | |
| | | | | | 77,672.55 | | |
| | COST PER 372 SQ.M | | | | 77,672.55 | | |
| | PER 1 SQ.M | | | S1-009 | 208.80 | | |
| | | | | SAY | 208.80 | 37.03 | 171.77 |

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|--------|--|----------|------|------------|--------------|--------------|--------------|
| S1-010 | BITUMEN(80/100) SURFACING 2ND/SUBSEQUENT COAT USING 1 LTR/SQ.M INCLUDING BLINDING WITH GRAVEL FREE OF CLAY WHERE SAND IS NOT AVAILABLE WITHIN 16 KM (NEW WORK) [SSCM 503.3(c)] : | | | | | | |
| | DATA FOR 372 SQ.M | | | | | | |
| | LABOUR (S/SK) | 5.50 | DAYS | B0-003 | 12,650.00 | | |
| | LABOUR (U/SK) | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 344.38 | | |
| | TAR BOILER | 1.00 | DAY | B0-101 | 100.00 | | |
| | BITUMEN | 372.00 | LTR | B0-351 | 70,266.67 | | |
| | GRAVEL | 4.72 | CU.M | E1-008 | 9,949.18 | | |
| | FIREWOOD | 0.25 | CU.M | B0-395 | 703.99 | | |
| | BASKETS | 0.33 | NO | B0-631 | 100.00 | | |
| | | | | | 95,239.21 | | |
| | COST PER 372 SQ.M | | | | 95,239.21 | | |
| | PER 1 SQ.M | | | S1-010 | 256.02 | | |
| | | | | SAY | 256.00 | 37.03 | 218.97 |
| S1-011 | BITUMEN EMULSION(CRS-1) SURFACE TREATMENT 1ST COAT WITH 3.5 LTR/SQ.M INCLUDING BLINDING WITH SAND, @ 125 SQ.M/CU.M (MANUAL): | | | | | | |
| | DATA FOR 372 SQ.M | | | | | | |
| | LABOUR (S/SK)-BITUMEN & BLINDING | 5.00 | DAYS | B0-003 | 11,500.00 | | |
| | LABOUR (U/SK)-INT. TRANSPORT/SAND | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 315.63 | | |
| | EMULSION (CRS-1) | 1,302.00 | LTR | B0-353 | 193,998.00 | | |
| | SAND | 2.98 | CU.M | B0-331 | 11,889.62 | | |
| | BASKETS | 0.33 | NO | B0-631 | 100.00 | | |
| | | | | | 218,928.25 | | |
| | COST PER 372 SQ.M | | | | 218,928.25 | | |
| | PER 1 SQ.M | | | S1-011 | 588.52 | | |
| | | | | SAY | 588.50 | 33.94 | 554.56 |
| S1-012 | BITUMEN EMULSION(CRS-1) SURFACE TREATMENT 1ST COAT WITH 3.5 LTR/SQ.M (USING TROLLEY, EMULSION), INCLUDING BLINDING WITH SAND, @ 125 SQ.M/CU.M : | | | | | | |
| | DATA FOR 650 SQ.M | | | | | | |
| | LABOUR (S/SK)-BITUMEN & BLINDING | 3.50 | DAYS | B0-003 | 8,050.00 | | |
| | LABOUR (U/SK)-INT. TRANSPORT/SAND | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 229.38 | | |
| | EMULSION (CRS-1) | 2,275.00 | LTR | B0-353 | 338,975.00 | | |
| | SAND | 5.20 | CU.M | B0-331 | 20,774.88 | | |
| | BASKETS | 0.58 | NO | B0-631 | 175.00 | | |
| | HIRE OF TROLLEY, EMULSION | 1.00 | DAY | B0-137 | 835.84 | | |
| | | | | | 370,165.09 | | |
| | COST PER 650 SQ.M | | | | 370,165.09 | | |
| | PER 1 SQ.M | | | S1-012 | 569.48 | | |
| | | | | SAY | 569.50 | 14.12 | 555.38 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|--|----------|------|------------|--------------|--------------|--------------|
| S1-013 | BITUMEN EMULSION(CRS-1) SURFACE TREATMENT SUBSEQUENT COAT USING 0.75 LTR/SQ.M, INCLUDING BLINDING WITH SAND @ 125 SQ.M/CU.M (MANUAL) | | | | | | |
| | DATA FOR 372 SQ.M | | | | | | |
| | LABOUR (S/SK)-BITUMEN & BLINDING | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | LABOUR (U/SK)-INT. TRANSPORT/SAND | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 143.13 | | |
| | EMULSION (CRS-1) | 279.00 | LTR | B0-353 | 41,571.00 | | |
| | SAND | 2.98 | CU.M | B0-331 | 11,889.62 | | |
| | BASKETS | 0.33 | NO | B0-631 | 100.00 | | |
| | | | | | 59,428.75 | | |
| | COST PER 372 SQ.M | | | | 59,428.75 | | |
| | PER 1 SQ.M | | | S1--013 | 159.75 | | |
| | | | | SAY | 159.75 | 15.39 | 144.36 |
| S1-014 | BITUMEN EMULSION(CRS-1) SURFACE TREATMENT SUBSEQUENT COAT WITH 0.75 LTR/SQ.M (USING TROLLEY, EMULSION), INCLUDING BLINDING WITH SAND @ 125 SQ.M/CU.M | | | | | | |
| | DATA FOR 1,115 SQ.M | | | | | | |
| | LABOUR (S/SK)-BITUMEN & BLINDING | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | LABOUR (U/SK)-INT. TRANSPORT/SAND | 1.50 | DAY | B0-004 | 3,375.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 199.38 | | |
| | EMULSION (CRS-1) | 836.25 | LTR | B0-353 | 124,601.25 | | |
| | SAND | 8.92 | CU.M | B0-331 | 35,636.91 | | |
| | BASKETS | 1.00 | NO | B0-631 | 300.00 | | |
| | HIRE OF TROLLEY, EMULSION | 1.72 | DAYS | B0-137 | 1,437.64 | | |
| | | | | | 170,150.18 | | |
| | COST PER 1,115 SQ.M | | | | 170,150.18 | | |
| | PER 1 SQ.M | | | S1-014 | 152.60 | | |
| | | | | SAY | 152.60 | 7.15 | 145.45 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|--|----------|------|------------|---------------------|--------------|--------------|
| S1-015 | TACK COAT USING BITUMEN EMULSION(CSS-1) @ THE RATE OF 0.5 LTR/SQ.M INCLUSIVE OF BRUSHING, CLEANING ROAD SURFACE AND COST OF BITUMEN EMULSION (MANUAL) [SSCM 502.3]: | | | | | | |
| (1) | DATA FOR 372 SQ.M - TACK COAT | | | | | | |
| | LABOUR (S/SK) | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL EMULSION (CSS-1) | 186.00 | LTR | B0-352 | 115.00 27,714.00 | | |
| | | | | | 32,429.00 | | |
| | COST PER 372 SQ.M | | | | 32,429.00 | | |
| | PER 1 SQ.M | | | S1-015.1 | 87.17 | | |
| (2) | DATA FOR 232 SQ.M - FOR BRUSHING | | | | | | |
| | LABOUR (U/SK) | 0.75 | DAY | B0-004 | 1,687.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 42.19 | | |
| | | | | | 1,729.69 | | |
| | COST PER 232 SQ.M | | | | 1,729.69 | | |
| | PER 1 SQ.M | | | S1-015.2 | 7.46 | | |
| | RATE PER 1 SQ.M (1 + 2) | | | S1-015 | 94.63 | | |
| | | | | SAY | 94.65 | 19.64 | 75.01 |
| S1-016 | TACK COAT USING BITUMEN EMULSION(CSS-1) @ THE RATE OF 0.5 LTR/SQ.M INCLUSIVE OF BRUSHING, CLEANING ROAD SURFACE AND COST OF BITUMEN EMULSION (MANUAL) [SSCM 502.3]: | | | | | | |
| | AS PER S1-015, COST PER 186 LITRES | | | | 35,202.36 | | |
| | RATE PER 1 LITRE | | | S1-016 | 189.26 | | |
| | | | | SAY | 189.25 | 39.28 | 149.97 |
| S1-017 | TACK COAT USING BITUMEN EMULSION(CSS-1) @ THE RATE OF 0.75 LTR/SQ.M INCLUSIVE OF BRUSHING, CLEANING ROAD SURFACE AND COST OF BITUMEN EMULSION (MANUAL) [SSCM 502.1-503.3]: | | | | | | |
| (1) | DATA FOR 372 SQ.M - TACK COAT | | | | | | |
| | LABOUR (S/SK) | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL EMULSION (CSS-1) | 279.00 | LTR | B0-352 | 115.00 41,571.00 | | |
| | | | | | 46,286.00 | | |
| | COST PER 372 SQ.M | | | | 46,286.00 | | |
| | PER 1 SQ.M | | | S1-017.1 | 124.42 | | |
| (2) | FOR BRUSHING AND CLEANING | 1.00 | SQ.M | S1-015.2 | 7.46 | | |
| | RATE PER 1 SQ.M (1 + 2) | | | S1-017 | 131.88 | | |
| | | | | SAY | 131.90 | 19.64 | 112.26 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|---------------------|--------------|--------------|
| S1-017A | TACK COAT USING BITUMEN EMULSION(CRS-1) @ THE RATE OF 0.5 LTR/SQ.M INCLUSIVE OF BRUSHING, CLEANING ROAD SURFACE AND COST OF BITUMEN EMULSION (MANUAL) [SSCM 502.1]: | | | | | | |
| (1) | DATA FOR 372 SQ.M - TACK COAT | | | | | | |
| | LABOUR (S/SK) | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL EMULSION (CRS-1) | 186.00 | LTR | B0-353 | 115.00 27,714.00 | | |
| | | | | | 32,429.00 | | |
| | COST PER 372 SQ.M | | | | 32,429.00 | | |
| | PER 1 SQ.M | | | S1-017A.1 | 87.17 | | |
| (2) | DATA FOR 232 SQ.M - FOR BRUSHING | 1.00 | SQ.M | S1-015.2 | 7.46 | | |
| | RATE PER 1 SQ.M (1 + 2) | | | S1-017A | 95.00 | | |
| | | | | SAY | 95.00 | 19.64 | 75.36 |
| S1-017B | TACK COAT USING BITUMEN EMULSION(CRS-1) @ THE RATE OF 0.75 LTR/SQ.M INCLUSIVE OF BRUSHING, CLEANING ROAD SURFACE AND COST OF BITUMEN EMULSION (MANUAL) [SSCM 502.1-503.1]: | | | | | | |
| (1) | DATA FOR 372 SQ.M - TACK COAT | | | | | | |
| | LABOUR (S/SK) | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL EMULSION (CRS-1) | 279.00 | LTR | B0-353 | 115.00 41,571.00 | | |
| | | | | | 46,286.00 | | |
| | COST PER 372 SQ.M | | | | 46,286.00 | | |
| | PER 1 SQ.M | | | S1-017B.1 | 124.42 | | |
| (2) | FOR BRUSHING AND CLEANING | 1.00 | SQ.M | S1-015.2 | 7.46 | | |
| | RATE PER 1 SQ.M (1 + 2) | | | S1-017B | 131.88 | | |
| | | | | SAY | 131.90 | 19.64 | 112.26 |
| S1-018 | TACK COAT WITH CUT BACK BITUMEN(MC 30) USING 0.5 LTR/SQ.M. INCLUDING BRUSHING AND CLEANING ROAD SURFACE (MANUAL): | | | | | | |
| (1) | DATA FOR 372 SQ.M - TACK COAT | | | | | | |
| | LABOUR (S/SK) | 5.00 | DAYS | B0-003 | 11,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 287.50 | | |
| | TAR BOILER | 1.00 | DAY | B0-101 | 100.00 | | |
| | BITUMEN | 130.20 | LTR | B0-351 | 24,593.33 | | |
| | KEROSENE OIL | 55.80 | LTR | B0-601 | 14,005.80 | | |
| | FIREWOOD | 0.25 | CU.M | B0-395 | 703.99 | | |
| | BASKETS | 0.33 | NO | B0-631 | 100.00 | | |
| | | | | | 51,290.63 | | |
| | COST PER 372 SQ.M | | | | 51,290.63 | | |
| | PER 1 SQ.M | | | S1-018.1 | 137.88 | | |
| (2) | FOR BRUSHING AND CLEANING | 1.00 | SQ.M | S1-015.2 | 7.46 | | |
| | RATE PER 1 SQ.M (1 + 2) | | | S1-018 | 145.34 | | |
| | | | | SAY | 145.35 | 38.19 | 107.16 |
| S1-019 | DELETED | | | | | | |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|--|----------|------|------------|--------------|--------------|--------------|
| S1-020 | TACK COAT WITH CUT BACK BITUMEN(80/100) USING 0.75 LTR/SQ.M INCLUDING BRUSHING AND CLEANING ROAD SURFACE (MANUAL)[SSCM 502.4(d)] : | | | | | | |
| (1) | DATA FOR 372 SQ.M - TACK COAT | | | | | | |
| | LABOUR (S/SK) | 5.00 | DAYS | B0-003 | 11,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 287.50 | | |
| | TAR BOILER | 1.00 | DAYS | B0-101 | 100.00 | | |
| | BITUMEN | 195.30 | LTR | B0-351 | 36,890.00 | | |
| | KEROSENE OIL | 83.70 | LTR | B0-601 | 21,008.70 | | |
| | FIREWOOD | 0.33 | CU.M | B0-395 | 920.73 | | |
| | BASKETS | 0.33 | NO | B0-631 | 100.00 | | |
| | | | | | 70,806.93 | | |
| | COST PER 372 SQ.M | | | | 70,806.93 | | |
| | PER 1 SQ.M | | | S1-020.1 | 190.34 | | |
| (2) | FOR BRUSHING AND CLEANING | 1.00 | SQ.M | S1-315.2 | 7.46 | | |
| | RATE PER 1 SQ.M (1 + 2) | | | S1-020 | 197.80 | | |
| | | | | SAY | 197.80 | 38.19 | 159.61 |
| S1-021 | ROLLING OVER BLINDING MATERIAL SPREAD OVER SUBSEQUENT BITUMEN SURFACING USING DIESEL ROLLER (8-10 TONS) [SSCM 502.4(d)]: | | | | | | |
| | DATA FOR ROLLING 1115 SQ.M | | | | | | |
| | HIRE OF ROLLER(8-10 TONS) | 1.00 | DAY | B0-111 | 19,579.80 | | |
| | COST PER 1115 SQ.M | | | | 19,579.80 | | |
| | RATE PER 1 SQ.M | | | S1-021 | 17.56 | | |
| | | | | SAY | 17.55 | 0.00 | 17.55 |
| S1-022 | PRIME COAT WITH BITUMEN EMULSION(CSS-1) USING 1 LTR/SQ.M INCLUDING BLINDING WITH SAND AT THE RATE OF 250 SQ.M/CU.M AND BRUSHING CLEANING AND MOISTENING ROAD SURFACE : | | | | | | |
| (1) | DATA FOR 372 SQ.M - PRIME COAT | | | | | | |
| | LABOUR (S/SK) | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | LABOUR (U/SK) | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 143.13 | | |
| | EMULSION (CSS-1) | 372.00 | LTR | B0-352 | 55,428.00 | | |
| | SAND | 1.49 | CU.M | B0-331 | 5,944.81 | | |
| | BASKETS | 0.33 | NO | B0-631 | 100.00 | | |
| | | | | | 67,340.94 | | |
| | COST PER 372 SQ.M | | | | 67,340.94 | | |
| | PER 1 SQ.M | | | S1-022.1 | 181.02 | | |
| (2) | DATA FOR 232 SQ.M - BRUSHING, CLEANING AND MOISTENING ROAD SURFACE (MANUAL) | | | | | | |
| | LABOUR (U/SK) | 0.75 | DAY | B0-004 | 1,687.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 42.19 | | |
| | ALLOW FOR WATER | 1.00 | ITEM | B0-786 | 110.00 | | |
| | | | | | 1,839.69 | | |
| | COST PER 232 SQ.M | | | | 1,839.69 | | |
| | PER 1 SQ.M | | | S1-022.2 | 7.93 | | |
| | RATE PER 1 SQ.M (1 + 2) | | | S1-022 | 188.95 | | |
| | | | | SAY | 188.95 | 22.66 | 166.29 |

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|--------|--|----------|------|------------|--------------|--------------|--------------|
| S1-023 | PRIME COAT WITH BITUMEN EMULSION(CSS-1) USING 1 LTR/SQ.M WITHOUT BLINDING, BUT INCLUSIVE OF BRUSHING, CLEANING AND MOISTENING ROAD SURFACE : | | | | | | |
| (1) | DATA FOR 372 SQ.M - PRIME COAT | | | | | | |
| | LABOUR (S/SK) | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOL | | | | 115.00 | | |
| | EMULSION (CSS-1) | 372.00 | LTR | B0-352 | 55,428.00 | | |
| | | | | | 60,143.00 | | |
| | COST PER 372 SQ.M | | | | 60,143.00 | | |
| | PER 1 SQ.M | | | S1-023.1 | 161.67 | | |
| (2) | FOR BRUSHING, CLEANING AND MOISTENING | 1.00 | SQ.M | S1-022.2 | 7.93 | | |
| | RATE PER 1 SQ.M (1 + 2) | 1.00 | SQR | S1-023 | 169.60 | | |
| | | | | SAY | 169.60 | 19.64 | 149.96 |
| S1-024 | PRIME COAT WITH CUT BACK BITUMEN(MC 30) USING 1 LTR/SQ.M INCLUDING BLINDING WITH SAND AT THE RATE OF 250 SQ.M/CU.M AND BRUSHING, CLEANING AND MOISTENING ROAD SURFACE: | | | | | | |
| (1) | DATA FOR 372 SQ.M - PRIME COAT | | | | | | |
| | LABOUR (S/SK) | 5.00 | DAYS | B0-003 | 11,500.00 | | |
| | LABOUR (U/SK) | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 315.63 | | |
| | TAR BOILER | 1.00 | DAY | B0-101 | 100.00 | | |
| | BITUMEN | 260.40 | LTR | B0-351 | 49,186.67 | | |
| | KEROSENE OIL | 111.60 | LTR | B0-601 | 28,011.60 | | |
| | FIREWOOD | 0.66 | CU.M | B0-395 | 1,841.47 | | |
| | BASKETS | 0.33 | NO | B0-631 | 100.00 | | |
| | SAND | 1.49 | CU.M | B0-331 | 5,944.81 | | |
| | | | | | 98,125.17 | | |
| | COST PER 372 SQ.M | | | | 98,125.17 | | |
| | PER 1 SQ.M | | | S1-024.1 | 263.78 | | |
| (2) | FOR BRUSHING, CLEANING AND MOISTENING | 1.00 | SQ.M | S1-022.2 | 7.93 | | |
| | RATE PER 1 SQ.M (1 + 2) | | | S1-024 | 271.71 | | |
| | | | | SAY | 271.70 | 41.21 | 230.49 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|--|----------|------|------------|-----------------|-----------------|-----------------|
| S1-025 | PRIME COAT WITH CUT BACK BITUMEN(MC 30) USING 1 LT/SQ.M WITHOUT BLINDING BUT INCLUSIVE OF BRUSHING, CLEANING, AND MOISTENING ROAD SURFACE.: | | | | | | |
| (1) | DATA FOR 372 SQ.M - PRIME COAT | | | | | | |
| | LABOUR (S/SK) | 5.00 | DAYS | B0-003 | 11,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 287.50 | | |
| | TAR BOILER | 1.00 | DAYS | B0-101 | 100.00 | | |
| | BITUMEN | 260.40 | LTR | B0-351 | 49,186.67 | | |
| | KEROSENE OIL | 111.60 | LTR | B0-601 | 28,011.60 | | |
| | FIREWOOD | 0.50 | CU.M | B0-395 | 1,407.98 | | |
| | | | | | 90,493.75 | | |
| | COST PER 372 SQ.M | | | | 90,493.75 | | |
| | PER 1 SQ.M | | | S1-025.1 | 243.26 | | |
| (2) | FOR BRUSHING, CLEANING AND MOISTENING | 1.00 | SQ.M | S1-022.2 | 7.93 | | |
| | RATE PER 1 SQ.M (1 + 2) | | | S1-025 | 251.19 | | |
| | | | | SAY | 251.20 | 38.19 | 213.01 |
| S1-026 | SWEEPING OVER TARRED SURFACE TO ARREST BLEEDING : | | | | | | |
| | DATA FOR 372 SQ.M | | | | | | |
| | LABOUR (LJ/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 56.25 | | |
| | BASKETS | 0.17 | NO | B0-631 | 50.00 | | |
| | | | | | 2,356.25 | | |
| | COST PER 372 SQ.M | | | | 2,356.25 | | |
| | PER 1 SQ.M | | | S1-026 | 6.33 | | |
| | | | | SAY | 6.35 | 6.05 | 0.30 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|--|----------|---------|------------|-----------------|-----------------|-----------------|
| S1-027 | APPLICATION OF BITUMEN EMULSION FOR SURFACE TREATMENT USING CRS - 1 (USING PLANT) "RATE PER LITRE" | | | | | | |
| | DATA FOR 4546 LITRES | | | | | | |
| | CRS 1 AT SITE | 4,546.00 | LTR | B0-353 | 677,354.00 | | |
| | MECHANICAL BROOM WITH TRACTOR | 0.63 | DAY | B0-122 | 7,810.11 | | |
| | EMULSION DISTRIBUTOR - 4000 LITRES | 1.00 | DAY | B0-123 | 29,046.35 | | |
| | LABOUR (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (SK/B) | 2.00 | DAY | B0-002 | 5,600.00 | | |
| | LABOUR (U/SK) | 6.00 | DAY | B0-004 | 13,500.00 | | |
| | | | | | 736,410.46 | | |
| | COST PER 4546 LTRES | | | | 736,410.46 | | |
| | RATE PER 1 LITRE | | | S1-027 | 161.99 | | |
| | | | | SAY | 162.00 | 4.88 | 157.12 |
| S1-028 | BLINDING THE BITUMEN SURFACING WITH SAND AT THE RATE OF 125 SQ.M PER 1 CU.M USING MATERIAL FROM STOCK PILE: | | | | | | |
| | DATA FOR 3000 SQ.M | | | | | | |
| | SAND | 24.00 | CU.M | B0-331 | 95,884.05 | | |
| | TRACTOR | 1.00 | DAY | B0-117 | 10,684.90 | | |
| | LABOUR (U/SK) - LOADING & SPREADING | 7.00 | DAY | B0-004 | 15,750.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 393.75 | | |
| | | | | | 122,712.70 | | |
| | FOR 3000 SQ.M | | | | 122,712.70 | | |
| | RATE PER 1 SQ.M | | | S1-028 | 40.90 | | |
| | | | | SAY | 40.90 | 5.25 | 35.65 |
| S1-029 | SINGLE BITUMINOUS SURFACE TREATMENT WITH BITUMEN EMULSION(CRS-2) USING PLANT. (BINDER AND AGGREGATE PAID SEPARATELY) (RATE TO INCLUDE TRANSPORT COST OF AGGREGATE UP TO 16 KMS) [SSCM 505.3(d)]: | | | | | | |
| | DATA FOR 2787 SQ.M. | | | | | | |
| | PLANT (WET LEASE) | | | | | | |
| | MECHANICAL BROOM WITH TRACTOR | 0.75 | DAY | B0-122 | 9,372.13 | | |
| | EMULSION SPRAYER SELF PROPELLED (4000 LTRS) | 1.00 | DAY | B0-123 | 29,046.35 | | |
| | CHIPS SPREADER(SELF PROPELLED) | 1.00 | DAY | B0-121 | 45,022.79 | | |
| | ROLLER,SMOOTH WHEEL (7 TON) - 8 HOURS | 8.00 | HRS | B0-135 | 30,164.56 | | |
| | PNEUMATIC ROAD ROLLER | 1.00 | DAY | B0-112 | 58,927.76 | | |
| | BACKHOE LOADER | 1.00 | DAY | B0-115 | 34,514.65 | | |
| | TIPPER (7 TON/4.5 CU.M.) 1 NO. (ASSUMING 16 KM AVE. TRANSPORT FOR 9 TRIPS) | 648.00 | CU.M/KM | B0-118 | 35,983.44 | | |
| | LABOUR (SK/A) | 2.00 | DAY | B0-001 | 6,200.00 | | |
| | LABOUR (S/SK) | 12.00 | DAY | B0-003 | 27,600.00 | | |
| | | | | | 276,831.68 | | |
| | COST FOR 2787 SQ.M | | | | 276,831.68 | | |
| | RATE PER 1 SQ.M | | | S1-029 | 99.33 | | |
| | | | | SAY | 99.35 | 12.13 | 87.22 |

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|---------|--|----------|---------|------------|--------------|--------------|--------------|
| S1-030 | DOUBLE BITUMINOUS SURFACE TREATMENT WITH BITUMEN EMULSION(CRS-1) USING PLANT. (BINDER AND AGGREGATE PAID SEPARATELY) (RATE TO INCLUDE TRANSPORT COST OF AGGREGATE UP TO 16 KMS) [SSCM 505.3(e)]: | | | | | | |
| | DATA FOR 1394 SQ.M | | | | | | |
| | PLANT (WET LEASE) | | | | | | |
| | MECHANICAL BROOM WITH TRACTOR | 0.75 | DAY | B0-122 | 9,372.13 | | |
| | EMULSION SPRAYER SELF PROP. (4000 LTRS) | 1.00 | DAY | B0-123 | 29,046.35 | | |
| | CHIP SPREADER (SELF PROPELLED) | 1.00 | DAY | B0-121 | 45,022.79 | | |
| | WHEEL LOADER (1.7 CU.M) | 0.75 | DAY | B0-116A | 27,706.09 | | |
| | ROLLER,SMOOTH WHEEL (7 TON) - 8 HOURS. | 8.00 | HRS | B0-135 | 30,164.56 | | |
| | PNEUMATIC ROAD ROLLER | 1.00 | DAY | B0-112 | 58,927.76 | | |
| | TIPPERS (7 TON/4.5 CU.M.) 2 NOS. (ASSUMING 16 KM AVE. TRANS., 6 TRIPS EACH TIPPER) | 864.00 | CU.M/KM | B0-118 | 47,977.92 | | |
| | LABOUR (SK/A) | 2.00 | DAY | B0-001 | 6,200.00 | | |
| | LABOUR (S/SK) | 12.00 | DAY | B0-003 | 27,600.00 | | |
| | | | | | 282,017.60 | | |
| | COST FOR 1394 SQ.M | | | | 282,017.60 | | |
| | RATE PER 1 SQ.M | | | S1-030 | 202.31 | | |
| | | | | SAY | 202.30 | 24.25 | 178.05 |
| S1-030A | DELETED | | | | | | |

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|---------|--|-------------------------|---------------|------------|--------------|--------------|--------------|
| S1-030B | DOUBLE BITUMINOUS SURFACE TREATMENT WITH HOT BITUMEN(80/100) USING 19 MM AND 9.5 MM SINGLE SIZE SELECTED AGGREGATES ON EXISTING BITUMINOUS SURFACES USING PLANT. RATE TO INCLUDE ALL LABOUR, MATERIAL, PLANT AND TRANSPORT COST OF AGGREGATE UP TO 16 KM. (TRANSPORT OF BINDER AND ADDITIONAL TRANSPORT OF AGGREGATE TO BE PAID SEPARATELY) [SSCM 505b.5(e)]: | | | | | | |
| | DATA FOR | 1,394 | SQ.M | | | | |
| | PLANT (WET LEASE) | | | | | | |
| | MECHANICAL BROOM WITH TRACTOR | 0.75 | DAY | B0-122 | 9,372.13 | | |
| | BITUMEN DISTRIBUTER 4500 LTR (ANNEX -1 TABLE -10) | 6.00 | HRS | B0-123A | #REF! | | |
| | CHIP SPREADER (SELF PROPELLED) | 1.00 | DAY | B0-121 | 45,022.79 | | |
| | WHEEL LOADER (1.7 CU.M) | 0.75 | DAY | B0-116A | 27,706.09 | | |
| | ROLLER,SMOOTH WHEEL (7 TON) - 8 HOURS. | 8.00 | HRS | B0-135 | 30,164.56 | | |
| | PNEUMATIC ROAD ROLLER | 1.00 | DAY | B0-112 | 58,927.76 | | |
| | TIPPERS (7 TON/4.5 CU.M.) 2 NOS. | 864.00 | CU.M/KM | B0-118 | 47,977.92 | | |
| | (ASSUMING 16 KM AVE. TRANS., 6 TRIPS EACH TIPPER) | | | | | | |
| | ALLOW FOR HEATING BITUMEN, TANKER 10,000 LITRE, IDLE HIRE (WET) | 1.00 | HRS | B0-141 | 6,462.50 | | |
| | MATERIALS | | | | | | |
| | BINDER 80/100 BITUMEN FOR 1ST SEAL @ THE RATE OF 0.75 LITRE/SQ.M | 1,045.50 | LTR | B0-355 | 187,667.25 | | |
| | 19 MM AGGREGATE FOR 1ST SEAL @ THE RATE OF 1.5 CU.M/100 SQ.M | 20.91 | CU.M | B0-314 | 73,886.93 | | |
| | BINDER 80/100 BITUMEN FOR 2ND SEAL @THE RATE OF 1.2 LITRE/SQ.M | 1,672.80 | LTR | B0-355 | 300,267.60 | | |
| | 12.5 MM AGGREGATE FOR 2ND SEAL @ THE RATE OF 0.85 CU.M/100 SQ.M | 11.85 | CU.M | B0-315 | 34,959.89 | | |
| | LABOUR | | | | | | |
| | LABOUR (SK/A) | 2.00 | DAY | B0-001 | 6,200.00 | | |
| | LABOUR (S/SK) | 12.00 | DAY | B0-003 | 27,600.00 | | |
| | COST FOR 1394 SQ.M | | | | | #REF! | |
| | RATE PER 1 SQ.M | | | S1-030 | #REF! | | |
| | | | | SAY | #REF! | 24.25 | #REF! |
| | * (SEE APPROVED RDA MACHINERY HIRE CHARGES LIST) | | | | | | |
| | QUANTITIES OF AGGREGATES AND BINDER (PEN GRADE BITUMEN) FOR DBST | | | | | | |
| | [SSCM 505.3] | | | | | | |
| | | AGGREGATE | BINDER | | | | |
| | | CU.M/100 M ² | LTR/SQ.M | | | | |
| | 1ST SEAL 20 MM AGGREGATE - BINDER PENGRADE BITUMEN | 1.3 - 1.7 | 0.65-0.85 | | | | |
| | 2ND SEAL 10 MM AGGREGATE - BINDER PENETRATION GRADE BITUMEN | 0.7-1.0 | 1.0-1.3 | | | | |
| | 1ST SEAL 14 MM AGGREGATE - BINDER PENGRADE BITUMEN | 1.0 - 1.3 | 0.5-0.7 | | | | |
| | 2ND SEAL 6.3 MM AGGREGATE - BINDER PENETRATION GRADE BITUMEN | 0.55-0.75 | 0.75-1.05 | | | | |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--------|--|----------|------|------------|--------------|--------------|--------------|
| S1-031 | SUPPLY, LAY AND COMPACT ASPHALT CONCRETE (19 MM, 60/70 BINDER 4.7%**) - DENSE (PLANT MADE) IN WEARING SURFACE OF SMALL WORKS SUCH AS BRIDGE DECKING, REINSTATEMENT OF TRENCHES ETC. (SUPPLY AND TRANSPORT OF PREMIX TO BE PAID SEPARATELY.) [SSCM - 506]: | | | | | | |
| | ** (FOR BINDER CONTENTS SEE GENERAL NOTES - SECTION 29.8) | | | | | | |
| | DATA FOR 10 METRIC TONS | | | | | | |
| | LABOUR (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (U/SK) | 2.00 | DAY | B0-004 | 4,500.00 | | |
| | LABOUR (S/SK) | 4.00 | DAY | B0-003 | 9,200.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 420.00 | | |
| | ASPHALT PREMIX CONCRETE(WEARING) | 10.00 | M.T. | B0-361A | 172,070.00 | | |
| | ROAD ROLLER (7 HOURS) | 0.88 | DAY | B0-111 | 17,132.33 | | |
| | | | | | 206,422.33 | | |
| | COST FOR 10 M.T. | | | | 206,422.33 | | |
| | RATE PER 1 M.T. | | | S1-031 | 20,642.23 | | |
| | | | | SAY | 20,642.25 | 1,680.00 | 18,962.25 |
| | * AVERAGE 0.6270 CU.M OF AGGREGATE REQUIRED FOR 1.0 METRIC TON OF PREMIX | | | | | | |
| S1-032 | LAY AND COMPACT ASPHALT CONCRETE (37.5MM, 60/70 BINDER, 3.5% **) - BOUND BASE MATERIAL (PLANT MADE) IN SMALL WORKS SUCH AS BRIDGE DECKING, REINSTATEMENT OF TRENCHES ETC. (SUPPLY AND TRANSPORT OF PREMIX TO BE PAID SEPARATELY.) [SSCM - 506]: | | | | | | |
| | ** (FOR BINDER CONTENTS SEE GENERAL NOTES - SECTION 29.8) | | | | | | |
| | DATA FOR 10 METRIC TONS | | | | | | |
| | LABOUR (SK A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (U/SK) | 2.00 | DAY | B0-004 | 4,500.00 | | |
| | LABOUR (S/SK) | 4.00 | DAY | B0-003 | 9,200.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 420.00 | | |
| | ASPHALT BOUND PREMIX BASE MATERIAL | 10.00 | M.T. | B0-362 | 147,390.00 | | |
| | ROAD ROLLER (7 HOURS) | 0.88 | DAY | B0-111 | 17,132.33 | | |
| | | | | | 181,742.33 | | |
| | COST FOR 10 M.T. | | | | 181,742.33 | | |
| | RATE PER 1 M.T. | | | S1-032 | 18,174.23 | | |
| | | | | SAY | 18,174.25 | 1,680.00 | 16,494.25 |
| | * AVERAGE 0.6270 CU.M OF AGGREGATE REQUIRED FOR 1.0 METRIC TON OF PREMIX | | | | | | |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| S1-033 | SUPPLY, LAY AND COMPACT CUTBACK ASPHALT CONCRETE COLD MIX WITH MC30 (19 MM AGGREGATE, 15% CUT BACK 60/70 BINDER 5.5%***) DENSE (PLANT MADE) IN SMALL WORKS SUCH AS BRIDGE DECKING, REINSTATEMENT OF TRENCHES ETC. (TRANSPORT OF PREMIX TO BE PAID SEPARATELY.) [SSCM - 507]: | | | | | | |
| | ** (FOR BINDER CONTENTS SEE GENERAL NOTES - SECTION 29.8) | | | | | | |
| | DATA FOR 10 METRIC TONS | | | | | | |
| | LABOUR (SK A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (U/SK) | 2.00 | DAY | B0-004 | 4,500.00 | | |
| | LABOUR (S/SK) | 4.00 | DAY | B0-003 | 9,200.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 420.00 | | |
| | ASPHALT CONC.(COLD MIX WITH 60/70 CUT BACK) MATERIAL | 10.00 | M.T. | B0-365 | 194,320.00 | | |
| | ROAD ROLLER (7 HOURS) | 0.88 | DAY | B0-111 | 17,132.33 | | |
| | | | | | 228,672.33 | | |
| | COST FOR 10 M.T. | | | | 228,672.33 | | |
| | RATE PER 1 M.T. | | | S1-033 | 22,867.23 | | |
| | | | | SAY | 22,867.25 | 1,680.00 | 21,187.25 |
| | * AVERAGE 0.6270 CU.M OF AGGREGATE REQUIRED FOR 1.0 METRIC TON OF PREMIX | | | | | | |
| S1-033A | LAY AND COMPACT IMULSIFIED ASPHALT CONCRETE COLD MIX WITH BITUMEN EMULSION CSS-1(6.67%** BY WGT OF AGG.) AND 19 MM AGGREGATE, DENSE (PLANT MADE) IN SMALL WORKS SUCH AS BRIDGE DECKING, REINSTATEMENT OF TRENCHES ETC. [SUPPLY AND TRANSPORT OF PREMIX(COLD MIX) TO BE PAID SEPARATELY.] [SSCM - 507]: | | | | | | |
| | ** (FOR BINDER CONTENTS SEE GENERAL NOTES - SECTION 29.8.) | | | | | | |
| | DATA FOR 10 METRIC TONS | | | | | | |
| | LABOUR (SK A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (U/SK) | 2.00 | DAY | B0-004 | 4,500.00 | | |
| | LABOUR (S/SK) | 4.00 | DAY | B0-003 | 9,200.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 420.00 | | |
| | ASPHALT CONCRETE(COLD MIX) MATERIAL | 10.00 | M.T. | B0-366 | 137,790.00 | | |
| | ROAD ROLLER (7 HOURS) | 0.88 | DAY | B0-111 | 17,132.33 | | |
| | | | | | 172,142.33 | | |
| | COST FOR 10 M.T. | | | | 172,142.33 | | |
| | RATE PER 1 M.T. | | | S1-033A | 17,214.23 | | |
| | | | | SAY | 17,214.25 | 1,680.00 | 15,534.25 |
| | * AVERAGE 0.6270 CU.M OF AGGREGATE REQUIRED FOR 1.0 METRIC TON OF PREMIX | | | | | | |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| S1-034 | LAY AND COMPACT ASPHALT CONCRETE USING PAVER (SUPPLY AND TRANSPORT OF PREMIX TO BE PAID SEPARATELY) : | | | | | | |
| | DATA FOR 200 M.T. PER 12 HOURS | | | | | | |
| | CHARGE HAND (SK'A') [13 HOURS] | - | DAY | B0-001 | 0.00 | | |
| | CHECKER (SK'A') - DO - | 3.70 | DAY | B0-001 | 11,470.00 | | |
| | LABOUR (SK'B' - 2 NOS.) -DO- | 2.40 | DAY | B0-002 | 6,720.00 | | |
| | LABOUR (S/Sk - 8 NOS.) -DO- | 7.40 | DAY | B0-003 | 17,020.00 | | |
| | LABOUR (U/Sk - 10 NOS.) -DO- | 22.50 | DAY | B0-004 | 50,625.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 2,145.88 | | |
| | FARM TRACTOR WITH BROOM - 6 HOURS | 1.10 | DAY | B0-122 | 13,745.79 | | |
| | MECHANICAL PAVER (6 M) - 11 HOURS | 5.30 | HRS | B0-129 | 58,959.06 | | |
| | VIBRATING ROLLER-7 TON (SMOOTH-TANDEM) | | | | | | |
| | 1 NOS. X 8 HOURS. | 5.50 | HRS | B0-135 | 20,738.14 | | |
| | PNEUMATIC ROLLER - 2NOSX12 HOURS | 11.80 | HRS | B0-112 | 86,918.45 | | |
| | WATER BOWSER(6000 LT) - 4 HOURS | 1.20 | DAY | B0-128 | 29,682.20 | | |
| | COMPRESSOR | 7.80 | HRS | B0-144 | 86,665.10 | | |
| | | | | | 384,689.60 | | |
| | COST FOR 200 M.T. | | | | 384,689.60 | | |
| | RATE PER 1 M.T. | | | S1-034 | 1,923.45 | | |
| | | | | SAY | 1,923.45 | 429.18 | 1,494.28 |
| | * AVERAGE 0.6270 CU.M OF AGGREGATE REQUIRED FOR 1.0 METRIC TON OF PREMIX | | | | | | |
| S1-034A | LAY AND COMPACT ASPHALT CONCRETE MANUALLY (SUPPLY AND TRANSPORT OF PREMIX TO BE PAID SEPARATELY) : | | | | | | |
| | DATA FOR 15 M.T. PER 4 HOURS | | | | | | |
| | SUPERVISOR (SK'A') [6 HOURS] | 0.75 | DAY | B0-001 | 2,325.00 | | |
| | LABOUR (S/Sk - 5 NOS.) -DO- | 2.50 | DAY | B0-003 | 5,750.00 | | |
| | LABOUR (U/Sk - 7 NOS.) -DO- | 3.50 | DAY | B0-004 | 7,875.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 398.75 | | |
| | VIBRATING ROLLER 6-7 TON (SMOOTH-TANDEM) | | | | | | |
| | 1 NOS. X 8 HOURS. | 2.00 | HRS | B0-135 | 7,541.14 | | |
| | | | | | 23,889.89 | | |
| | COST FOR 15 M.T. | | | | 23,889.89 | | |
| | RATE PER 1 M.T. | | | S1-034 | 1,592.66 | | |
| | | | | SAY | 1,592.65 | 1,063.33 | 529.32 |
| | * AVERAGE 0.6270 CU.M OF AGGREGATE REQUIRED FOR 1.0 METRIC TON OF PREMIX | | | | | | |
| S1-035 | SURFACING (SAND SEALING - MANUAL) USING BITUMEN EMULSION(CRS-1) AT THE RATE OF 1 LTR./SQ.M INCLUDING PREPARING SURFACE, BLINDING WITH SAND AT THE RATE OF 4 CU.M/500 SQ.M AND PRESSING WITH IMPROVISED HAND ROLLERS : (PATCHING POT HOLES IF NECESSARY & EXTERNAL TRANSPORT TO PAY SEPARATELY) | | | | | | |
| | DATA FOR 372 SQ.M | | | | | | |
| (A) | EMULSION @ 1L/SQ.M. AND COVER WITH SAND : | | | | | | |
| | LABOUR (S/SK) | 2.00 | DAY | B0-003 | 4,600.00 | | |
| | LABOUR (U/SK) | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 143.13 | | |
| | EMULSION (CRS-1) | 372.00 | LTR | B0-353 | 55,428.00 | | |
| | SAND | 2.98 | CU.M | B0-331 | 11,889.62 | | |
| | BASKETS | 0.33 | NO. | B0-631 | 100.00 | | |
| (B) | INTERNAL TRANSPORT OF MATERIAL: TRACTOR & TRAILOR | 0.25 | DAY | B0-117 | 2,671.23 | | |
| | | | | | 75,956.97 | | |
| | FOR 372 SQ.M | | | | 75,956.97 | | |
| | RATE PER 1 SQ.M | | | S1-035 | 204.19 | | |
| | | | | SAY | 204.20 | 15.39 | 188.81 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|----------|--|----------|-------|------------|--------------|--------------|--------------|
| S1-035A | PATCHING MINOR POT HOLES USING SAND, BITUMEN EMULSION MIX 1:8 WHERE NECESSARY, PRIOR TO SAND SEALING. | | | | | | |
| | DATA FOR 372 SQ.M | | | | | | |
| | PREPARATION & PATCHING MINOR POT HOLES : | | | | | | |
| | LABOUR (S/SK) | 2.00 | DAY | B0-003 | 4,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 115.00 | | |
| | SAND | 0.23 | CU.M | B0-331 | 905.05 | | |
| | EMULSION (CRS-1) | 9.09 | LTR | B0-353 | 1,354.74 | | |
| | INTERNAL TRANSPORT OF MATERIAL: TRACTOR & TRAILOR | 0.25 | DAY | B0-117 | 2,671.23 | | |
| | | | | | 9,646.01 | | |
| | COST PER 372 SQ.M | | | | 9,646.01 | | |
| | COST PER 1 SQ.M | | | S1-035A | 25.93 | | |
| | | | | SAY | 25.95 | 12.37 | 13.58 |
| S1-036 * | SAND SEALING WITH BITUMEN EMULSION CRS-1 AT THE RATE OF 1 LTR/SQ.M USING PLANT, INCLUDING BRUSHING, CLEANING, BLINDING, WITH SAND @ OF 125 SQ.M/CU.M, AND ROLLING WITH PNEUMATIC ROLLER AND INTERNAL TRANSPORT [SSCM 504] : (PATCHING POT HOLES IF NECESSARY & EXTERNAL TRANSPORT TO PAY SEPARATELY) | | | | | | |
| | APPLICATION OF EMULSION, BLINDING & ROLLING DATA FOR 2000 SQ.M (USING PLANT) | | | | | | |
| | APPLYING EMULSION CRS-1 AS PER ITEM S1-027 | 2,000.00 | LITRE | S1-027 | 324,000.00 | | |
| | SAND FOR BLINDING | 16.00 | CU.M | B0-331 | 63,922.70 | | |
| | SAND/CHIP SPREADER | 0.50 | DAY | B0-121 | 22,511.40 | | |
| | PNEUMATIC ROLLER | 2.00 | HOURS | B0-112 | 14,731.94 | | |
| | TRACTOR AND TRAILOR | 0.50 | DAY | B0-117 | 5,342.45 | | |
| | LABOUR (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (US/K) | 5.00 | DAYS | B0-004 | 11,250.00 | | |
| | ADD 2.5% ON LABOUR FOR TOOLS | | | | 358.75 | | |
| | | | | | 445,217.24 | | |
| | COST PER 2000 SQ.M | | | | 445,217.24 | | |
| | COST PER 1 SQ.M | | | S1-036 | 222.61 | | |
| | | | | SAY | 222.60 | 12.06 | 210.54 |
| S1-036A* | CHIP SEALING WITH BITUMEN EMULSION CRS-1 AT THE RATE OF 1.25 LTR/SQ.M USING PLANT, INCLUDING BRUSHING, CLEANING, BLINDING (PATCHING POT HOLES IF NECESSARY & EXTERNAL TRANSPORT TO PAY SEPARATELY) | | | | | | |
| | APPLICATION OF EMULSION, BLINDING & ROLLING DATA FOR 2000 SQ.M (USING PLANT) | | | | | | |
| | APPLYING EMULSION CRS-1 AS PER ITEM S1-027 | 2,500.00 | LITRE | S1-027 | 405,000.00 | | |
| | CHIPS (9.5 MM) FOR BLINDING | 16.00 | CU.M | B0-316 | 47,207.21 | | |
| | SAND/CHIP SPREADER | 0.50 | DAY | B0-121 | 22,511.40 | | |
| | PNEUMATIC ROLLER | 2.00 | HOURS | B0-112 | 14,731.94 | | |
| | TRACTOR AND TRAILOR | 0.50 | DAY | B0-117 | 5,342.45 | | |
| | LABOUR (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (US/K) | 5.00 | DAYS | B0-004 | 11,250.00 | | |
| | ADD 2.5% ON LABOUR FOR TOOLS | | | | 358.75 | | |
| | | | | | 509,501.75 | | |
| | COST PER 2000 SQ.M | | | | 509,501.75 | | |
| | COST PER 1 SQ.M | | | S1-036 | 254.75 | | |
| | | | | SAY | 254.75 | 7.18 | 247.58 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--|---|----------|-------|------------|--------------|--------------|--------------|
| S1-036B* | FOG SEALING WITH BITUMEN EMULSION CSS-1 AT THE RATE OF 1.5 LTR/SQ.M USING PLANT, INCLUDING BRUSHING, CLEANING, BLINDING (PATCHING POT HOLES IF NECESSARY & EXTERNAL TRANSPORT TO PAY SEPARATELY) | | | | | | |
| | APPLICATION OF EMULSION, BLINDING & ROLLING DATA FOR 2000 SQ.M (USING PLANT) | | | | | | |
| | APPLYING EMULSION CSS-1 AS PER ITEM S1-027 | 3,000.00 | LITRE | S1-027A | 486,000.00 | | |
| | SAND FOR BLINDING | 16.00 | CU.M | B0-331 | 63,922.70 | | |
| | SAND/CHIP SPREADER | 0.50 | DAY | B0-121 | 22,511.40 | | |
| | PNEUMATIC ROLLER | 2.00 | HOURS | B0-112 | 14,731.94 | | |
| | TRACTOR AND TRAILOR | 0.50 | DAY | B0-117 | 5,342.45 | | |
| | LABOUR (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (US/K) | 5.00 | DAYS | B0-004 | 11,250.00 | | |
| | ADD 2.5% ON LABOUR FOR TOOLS | | | | 358.75 | | |
| | | | | | 607,217.24 | | |
| | COST PER 2000 SQ.M | | | | 607,217.24 | | |
| | COST PER 1 SQ.M | | | S1-036 | 303.61 | | |
| | | | | SAY | 303.60 | 7.18 | 296.43 |
| S1-036C* | CRACK SEALING WITH BITUMEN EMULSION CSS-1 AT THE RATE OF 1.25 LTR/SQ.M USING PLANT, INCLUDING BRUSHING, CLEANING, BLINDING (PATCHING POT HOLES IF NECESSARY & EXTERNAL TRANSPORT TO PAY SEPARATELY) | | | | | | |
| | APPLICATION OF EMULSION, BLINDING & ROLLING DATA FOR 2000 SQ.M (USING PLANT) | | | | | | |
| | APPLYING EMULSION CSS-1 AS PER ITEM S1-027 | 2,500.00 | LITRE | S1-027A | 405,000.00 | | |
| | SAND FOR BLINDING | 16.00 | CU.M | B0-331 | 63,922.70 | | |
| | SAND/CHIP SPREADER | 0.50 | DAY | B0-121 | 22,511.40 | | |
| | PNEUMATIC ROLLER | 2.00 | HOURS | B0-112 | 14,731.94 | | |
| | TRACTOR AND TRAILOR | 0.50 | DAY | B0-117 | 5,342.45 | | |
| | LABOUR (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (US/K) | 5.00 | DAYS | B0-004 | 11,250.00 | | |
| | ADD 2.5% ON LABOUR FOR TOOLS | | | | 358.75 | | |
| | | | | | 526,217.24 | | |
| | COST PER 2000 SQ.M | | | | 526,217.24 | | |
| | COST PER 1 SQ.M | | | S1-036 | 263.11 | | |
| | | | | SAY | 263.10 | 7.18 | 255.93 |
| * NOTE : THE ABOVE RATE IS APPLICABLE ONLY IF CHIP SPREADER AND PNEUMATIC ROLLER ARE USED FOR THE CONSTRUCTION. OTHERWISE APPROVED SSR SHOULD BE ADOPTED. | | | | | | | |
| S1-037 | RECONSTRUCT BASE WITH PENETRATION MACADAM USING NOMINAL SIZE 50 MM AGGRGATE AND 19 MM KEY AGGREGATE FROM STOCK PILES, TO A COMPACTED THICKNESS OF 75 MM, ON EXISTING PAVEMENTS. [SSCM 406] (COST OF BINDER, AND AGGREGATE INCLUDING TRANSPORT TO BE PAID SEPARATELY): | | | | | | |
| | DATA FOR 100 SQ.M | | | | | | |
| | A. SWEEPING OVER TARRD SURFACE | 100.00 | SQ.M | S1-026 | 635.00 | | |
| | B. CONSTRUCTION OF PEN. MACADUM BASE USING 50 MM AGGREGATE | 9.00 | CU.M | M1-004 | 18,420.30 | | |
| | C. SPREADING KEY AGGREGATE 19 MM AFTER APPLICATION OF BINDER ON COMPACTED 50 MM COURSE AGGREGATE AND ROLLING (AS PER TABLE 406.1) | 1.80 | CU.M | M1-004 | 3,684.06 | | |
| | | | | | 22,739.36 | | |
| | COST PER 100 SQ.M | | | | 22,739.36 | | |
| | RATE PER 1 SQ.M | | | S1-037 | 227.39 | | |
| | | | | SAY | 227.40 | 111.83 | 115.57 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---|---|----------|--------|------------|--------------|--------------|--------------|
| S1-038 | RECONSTRUCT BASE WITH PENETRATION MACADAM USING NOMINAL SIZE 37.5 MM AGGRGATE AND 12.5 MM KEY AGGREGATE FROM STOCK PILES, TO A COMPACTED THICKNESS OF 55 MM, ON EXISTING PAVEMENTS. [SSCM 406] (COST OF BINDER, AND AGGREGATE INCLUDING TRANSPORT TO BE PAID SEPARATELY): | | | | | | |
| | DATA FOR 100 SQ.M | | | | | | |
| A. | SWEEPING OVER TARRD SURFACE | 100.00 | SQ.M | S1-026 | 635.00 | | |
| B. | CONSTRUCTION OF PEN. MACADUM BASE USING 37.5 MM AGGREGATE | 6.00 | CU.M | M1-004 | 12,280.20 | | |
| C. | SPREADING KEY AGGREGATE 12.5 MM AFTER APPLICATION OF BINDER ON COMPACTED 37.5 MM COURSE AGGREGATE AND ROLLING (AS PER TABLE 406.1) | 1.50 | CU.M | M1-004 | 3,070.05 | | |
| | | | | | 15,985.25 | | |
| | COST PER 100 SQ.M | | | | 15,985.25 | | |
| | RATE PER 1 SQ.M | | | S1-038 | 159.85 | | |
| | | | | SAY | 159.85 | 79.51 | 80.34 |
| S1-039 | CORRECTION OF CORRUGATIONS, DEPRESSIONS AND CAMBERING ROAD SURFACES USING ASPHALT CONCRETE COMPACTED BY VIBRATING ROLLER INCLUDING INTERNAL TRANSPORT. (APPLICATION OF TACK COAT AND SUPPLY OF ASPHALT CONCRETE TO BE PAID SEPARATELY) : | | | | | | |
| | DATA FOR | 12.00 | M.TONS | | | | |
| | LABOUR SK'A' | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR U/SK (LOADING AND MANUAL TRANS) | 6.00 | DAY | B0-004 | 13,500.00 | | |
| | LABOUR S/SK (SPREADING & LEVELLING) | 2.00 | DAY | B0-003 | 4,600.00 | | |
| | ADD 2.5 % OF LABOUR FOR TOOLS | | | | 530.00 | | |
| | VIBRATING ROLLER (1/2 - 1 TON) | 1.00 | DAY | B0-109 | 9,100.21 | | |
| | TRACTOR & TRAILER (INTERNAL TRANSPORT) | 0.50 | DAY | B0-117 | 5,342.45 | | |
| | | | | | 36,172.66 | | |
| | TOTAL COST FOR 12 M.T | | | | 36,172.66 | | |
| | RATE PER 1 M.T. | | | S1-039 | 3,014.39 | | |
| | | | | SAY | 3,014.40 | 1,766.67 | 1,247.73 |
| S1-040 * | SAND SEALING WITH BITUMEN EMULSION CRS-2 AT THE RATE OF 1 LTR/SQ.M USING PLANT, AND BLINDING WITH SAND AT THE RATE OF 125 SQ.M/CU.M. ON D.B.S.T./S.B.S.T (TRIPLE SEAL) INCLUDING INTERNAL TRANSPORT [SSCM 504] : (BINDER TRANSPORT TO SITE TO PAY SEPARATELY) | | | | | | |
| A | APPLICATION OF BINDER: | | | | | | |
| | DATA FOR | 4,546.00 | LITRES | | | | |
| | CRS 2 AT SITE | 4,546.00 | LTR | B0-354 | 700,084.00 | | |
| | EMULSION DISTRIBUTOR - 4000 LITRES | 1.00 | DAY | B0-123 | 29,046.35 | | |
| | LABOUR (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (SK/B) | 1.00 | DAY | B0-002 | 2,800.00 | | |
| | LABOUR (U/SK) | 3.00 | DAY | B0-004 | 6,750.00 | | |
| | | | | | 741,780.35 | | |
| | COST FOR 4546 LITRES | | | | 741,780.35 | | |
| | COST PER 1 LITRE | | | S1-040.A | 163.17 | | |
| B | SAND SEALING : | | | | | | |
| | DATA FOR | 2,000.00 | SQ.M | | | | |
| | APPLYING CRS-2 @ 1.0 LTR/SQ.M AS IN (A) ABOVE | 2,000.00 | LTR | S1-040.A | 326,340.00 | | |
| | SAND FOR BLINDING | 16.00 | CU.M | B0-331 | 63,922.70 | | |
| | SAND/CHIP SPREADER | 0.50 | DAY | B0-121 | 22,511.40 | | |
| | PNEUMATIC ROLLER | 2.00 | HOURS | B0-112 | 14,731.94 | | |
| | TRACTOR AND TRAILOR | 0.50 | DAYS | B0-117 | 5,342.45 | | |
| | LABOUR (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (US/K) | 5.00 | DAYS | B0-004 | 11,250.00 | | |
| | ADD 2.5% ON LABOUR FOR TOOLS | | | | 358.75 | | |
| | | | | | 447,557.24 | | |
| | TOTAL COST FOR 2000 SQ.M | | | | 447,557.24 | | |
| | RATE PER 1 SQ.M | | | S1-040 | 223.78 | | |
| | | | | SAY | 223.80 | 9.96 | 213.84 |
| * NOTE : THIS ITEM SHOULD BE USED ONLY FOR SAND SEALING ON ROAD SURFACE AFTER DBST / SBST WORK AND USE OF PNEUMATIC ROLLER IS ESSENTIAL. IF EMULSION AND/OR THE RATE OF APPLICATION OR THE METHOD OF SAND SPREADING TO BE CHANGED, S.S.R. SHALL BE PREPARED AND APPROVED. | | | | | | | |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---|---|----------|------|------------|--------------|--------------|--------------|
| SECTION VIII | | | | | | | |
| ROAD SURFACE MAINTENANCE | | | | | | | |
| INTERNAL TRANSPORT OF HOT BITUMEN UP TO 16 KM AND SAND TRANSPORT UP TO 16 KM INCLUDED IN THE RATES. | | | | | | | |
| MN1-001 | PATCHING WITH HOT BITUMEN(60/70) USING 14 LITRES PER 1/2 KM (SSCM 1102.1 - 1102.3): | | | | | | |
| | DATA FOR 6.4 KILO METRES | | | | | | |
| | LABOUR (S/SK) - BIT. APPLI. & BLIND. | 7.75 | DAYS | B0-003 | 17,825.00 | | |
| | LABOUR (U/SK) - INTER. TRANS./SAND | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 473.75 | | |
| | BITUMEN | 179.20 | LTR | B0-351 | 33,848.89 | | |
| | SAND | 1.42 | CU.M | B0-331 | 5,656.56 | | |
| | FIREWOOD | 0.25 | CU.M | B0-395 | 697.53 | | |
| | BASKETS | 0.17 | NO | B0-631 | 51.00 | | |
| | TRACTOR | 0.25 | DAY | B0-117 | 2,671.23 | | |
| | | | | | 62,348.95 | | |
| | COST PER 6.4 KILO METRES | | | | 62,348.95 | | |
| | RATE PER 1/2 KM | | | MN1-001 | 4,871.01 | | |
| | | | | SAY | 4,871.00 | 1,480.47 | 3,390.53 |
| MN1-002 | PATCHING WITH HOT BITUMEN(60/70) USING 21 LTRS. PER 1/2 KM.: | | | | | | |
| | 3/2 TIMES OF ITEM CODE MN1-001 | 1.50 | KM | MN1-001 | 7,306.52 | | |
| | RATE PER 1/2 KM. | | | MN1-002 | 7,306.52 | | |
| | | | | SAY | 7,306.50 | 2,220.70 | 5,085.80 |
| MN1-003 | PATCHING WITH HOT BITUMEN(60/70) USING 28 LTRS. PER 1/2 KM.: | | | | | | |
| | 2 TIMES OF ITEM CODE MN1-001 | 2.00 | KM | MN1-001 | 9,742.02 | | |
| | RATE PER 1/2 KM. | | | MN1-003 | 9,742.02 | | |
| | | | | SAY | 9,742.00 | 2,960.94 | 6,781.06 |
| MN1-004 | PATCHING WITH HOT BITUMEN(60/70) USING 35 LTRS. PER 1/2 KM.: | | | | | | |
| | 2.5 TIMES OF ITEM CODE MN1-001 | 2.50 | KM | MN1-001 | 12,177.53 | | |
| | RATE PER 1/2 KM. | | | MN1-004 | 12,177.53 | | |
| | | | | SAY | 12,177.55 | 3,701.17 | 8,476.38 |
| MN1-005 | PATCHING WITH HOT BITUMEN(60/70) USING 42 LTRS. PER 1/2 KM.: | | | | | | |
| | 3 TIMES OF ITEM CODE MN1-001 | 3.00 | KM | MN1-001 | 14,613.03 | | |
| | RATE PER 1/2 KM. | | | MN1-005 | 14,613.03 | | |
| | | | | SAY | 14,613.05 | 4,441.41 | 10,171.64 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|--------------------|------------------------|--------------|--------------|
| MN1-006 | PATCHING WITH HOT BITUMEN(60/70) USING 49 LTRS. PER 1/2 KM.: | | | | | | |
| | 7/2 TIMES OF ITEM CODE MN1-001 RATE PER 1/2 KM. | 3.50 | KM | MN1-001 MN1-006 | 17,048.54 17,048.54 | | |
| | | | | SAY | 17,048.55 | 5,181.64 | 11,866.91 |
| MN1-007 | PATCHING WITH HOT BITUMEN(60/70) USING 56 LTRS. PER 1/2 KM.: | | | | | | |
| | 4 TIMES OF ITEM CODE MN1-001 RATE PER 1/2 KM. | 4.00 | KM | MN1-001 MN1-007 | 19,484.05 19,484.05 | | |
| | | | | SAY | 19,484.05 | 5,921.88 | 13,562.18 |
| MN1-008 | EXTENSIVE PATCHING FOR EVERY ADDITIONAL 7 LTRS. HOT BITUMEN(60/70): | | | | | | |
| | 1/2 TIMES OF ITEM CODE MN1-001 RATE PER 1/2 KM. | 0.50 | KM | MN1-001 MN1-008 | 2,435.51 2,435.51 | | |
| | | | | SAY | 2,435.50 | 740.23 | 1,695.27 |
| MN1-009 | PATCHING WITH BITUMEN EMULSION (CRS-1) USING 14 LTRS PER 1/2 KILO METRE: | | | | | | |
| | DATA FOR 6.4 KILO METRES | | | | | | |
| | LABOUR (S/SK) - EMUL. APPL. & BLIND. | 3.00 | DAYS | B0-003 | 6,900.00 | | |
| | LABOUR (U/SK) - INTER. TRANS./SAND | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 200.63 | | |
| | EMULSION, CRS - 1 | 180.00 | LTR | B0-353 | 26,820.00 | | |
| | SAND | 1.42 | CU.M | B0-331 | 5,656.56 | | |
| | BASKETS | 0.17 | NO. | B0-631 | 51.00 | | |
| | FARM TRACTOR AND TRAILOR | 0.25 | DAY | B0-117 | 2,671.23 | | |
| | | | | | 43,424.41 | | |
| | COST PER 6.4 KILO METRES | | | | 43,424.41 | | |
| | RATE PER 1/2 KILO METRE | | | MN1-009 | 3,392.53 | | |
| | | | | SAY | 3,392.55 | 626.95 | 2,765.60 |
| MN1-010 | PATCHING WITH BITUMEN EMULSION CRS-1 USING 21 LTRS. PER 1/2 KM.: | | | | | | |
| | 1 1/2 TIMES OF ITEM CODE MN1-009 RATE PER 1/2 KM. | 1.50 | KM | MN1-009 MN1-010 | 5,088.80 5,088.80 | | |
| | | | | SAY | 5,088.80 | 940.43 | 4,148.37 |
| MN1-011 | PATCHING WITH BITUMEN EMULSION CRS-1 USING 28 LTRS. PER 1/2 KM.: | | | | | | |
| | 2 TIMES OF ITEM CODE MN1-009 RATE PER 1/2 KM. | 2.00 | KM | MN1-009 MN1-011 | 6,785.06 6,785.06 | | |
| | | | | SAY | 6,785.05 | 1,253.91 | 5,531.14 |
| MN1-012 | PATCHING WITH BITUMEN EMULSION CRS-1 USING 35 LTRS. PER 1/2 KM.: | | | | | | |
| | 2.5 TIMES OF ITEM CODE MN1-009 RATE PER 1/2 KM. | 2.50 | KM | MN1-009 MN1-012 | 8,481.33 8,481.33 | | |
| | | | | SAY | 8,481.35 | 1,567.38 | 6,913.97 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|---------------------------|---------------------------------|--------------|--------------|
| MN1-013 | PATCHING WITH BITUMEN EMULSION CRS-1 USING 42 LTRS. PER 1/2 KM.: | | | | | | |
| | 3 TIMES OF ITEM CODE MN1-009 RATE PER 1/2 KM. | 3.00 | KM | MN1-009 MN1-013 SAY | 10,177.60 10,177.60 ===== | 1,880.86 | 8,296.74 |
| MN1-014 | PATCHING WITH BITUMEN EMULSION CRS-1 USING 49 LTRS. PER 1/2 KM.: | | | | | | |
| | 3.5 TIMES OF ITEM CODE MN1-009 RATE PER 1/2 KM. | 3.50 | KM | MN1-009 MN1-014 SAY | 11,873.86 11,873.86 ===== | 2,194.34 | 9,679.51 |
| MN1-015 | PATCHING WITH BITUMEN EMULSION, CRS-1 USING 56 LTRS. PER 1/2 KM.: | | | | | | |
| | 4 TIMES OF ITEM CODE MN1-009 RATE PER 1/2 KM. | 4.00 | KM | MN1-009 MN1-015 SAY | 13,570.13 13,570.13 ===== | 2,507.81 | 11,062.34 |
| MN1-016 | EXTENSIVE PATCHING FOR EVERY ADDITIONAL 7 LTRS. BITUMEN EMULSION, CRS-1 | | | | | | |
| | 50% OF ITEM CODE MN1-009 RATE PER 1/2 KM. | 0.50 | KM | MN1-009 MN1-016 SAY | 1,696.27 1,696.27 ===== | 313.48 | 1,382.77 |
| MN1-017 | 50 MM - 19 MM AGGREGATE ROLLER PATCHING: | | | | | | |
| | <u>DATA FOR 8.5 CU.M</u> | | | | | | |
| | LABOUR (U/SK) - TRIMMING EDGES/CLEAN. | 6.00 | DAYS | B0-004 | 13,500.00 | | |
| | LABOUR (S/SK) - FILL | 6.00 | DAYS | B0-003 | 13,800.00 | | |
| | ALLOW 2.5% ON LABOUR | | | | 682.50 | | |
| | ROLLER (8-10 TON) | 1.00 | DAYS | B0-111 | 19,579.80 | | |
| | BASKETS | 1.50 | NO. | B0-631 | 450.00 | | |
| | FARM TRACTOR AND TRAILOR | 0.33 | DAY | B0-117 | 3,526.02 | | |
| | | | | | ----- | | |
| | | | | | 51,538.32 | | |
| | | | | | ----- | | |
| | COST PER 8.5 CU.M | | | | 51,538.32 | | |
| | RATE PER CU.M | | | MN1-017 | 6,063.33 | | |
| | | | | | ===== | | |
| | | | | SAY | 6,063.35 | 3,211.76 | 2,851.59 |
| MN1-018 | 50 MM - 19 MM AGGREGATE STAMPED PATCHING: | | | | | | |
| | <u>DATA FOR 0.71 CU.M</u> | | | | | | |
| | LABOUR (U/SK) - TR. EDGES/CLEAN. | 0.50 | DAYS | B0-004 | 1,125.00 | | |
| | LABOUR (S/SK) - FILL | 0.50 | DAYS | B0-003 | 1,150.00 | | |
| | LABOUR (S/SK) - STAMPING | 1.00 | DAYS | B0-003 | 2,300.00 | | |
| | ALLOW 2.5% ON LABOUR | | | | 114.38 | | |
| | BASKETS | 0.13 | NO. | B0-631 | 39.00 | | |
| | | | | | ----- | | |
| | | | | | 4,728.38 | | |
| | | | | | ----- | | |
| | COST PER 0.71 CU.M | | | | 4,728.38 | | |
| | RATE PER CU.M | | | MN1-018 | 6,659.68 | | |
| | | | | | ===== | | |
| | | | | SAY | 6,659.70 | 6,443.66 | 216.04 |

* * *

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---|--|----------|------|------------|--------------|--------------|--------------|
| SECTION IX | | | | | | | |
| ROAD SIDE AND DRAINAGE SYSTEM (SSCM 701.3) | | | | | | | |
| (* RATE TO INCLUDE SPREADING THE RESULTING MATERIALS SUITABLY IN THE VICINITY UNLESS OTHERWISE DIRECTED) | | | | | | | |
| DR1-001 | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (S/SK) | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (U/SK) | 0.25 | DAY | B0-004 | 562.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 71.56 | | |
| | BASKETS | 0.33 | NO. | B0-631 | 99.00 | | |
| | ALLOW FOR COIR STRING | 1.00 | ITEM | B0-716 | 82.50 | | |
| | | | | | 3,115.56 | | |
| | COST PER 2.83 CU.M | | | | 3,115.56 | | |
| | RATE PER 1 CU.M | | | DR1-001 | 1,100.91 | | |
| | | | | SAY | 1,100.90 | 1,011.48 | 89.42 |
| DR1-002 | CUTTING NEW SIDE DRAINS IN MED. SOIL : * | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (S/SK) | 1.50 | DAYS | B0-003 | 3,450.00 | | |
| | LABOUR (U/SK) | 0.25 | DAY | B0-004 | 562.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 100.31 | | |
| | BASKETS | 0.33 | NO. | B0-631 | 99.00 | | |
| | ALLOW FOR COIR STRING | 1.00 | ITEM | B0-716 | 82.50 | | |
| | | | | | 4,294.31 | | |
| | COST PER 2.83 CU.M | | | | 4,294.31 | | |
| | RATE PER 1 CU.M | | | DR1-002 | 1,517.42 | | |
| | | | | SAY | 1,517.40 | 1,417.84 | 99.56 |
| DR1-003 | CUTTING NEW SIDE DRAINS IN HARD SOIL : * | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (S/SK) | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | LABOUR (U/SK) | 0.25 | DAY | B0-004 | 562.50 | | |
| | ALLOW 2.5% ON LABOUR | | | | 129.06 | | |
| | BASKETS | 0.33 | NO. | B0-631 | 99.00 | | |
| | ALLOW FOR COIR STRING | 1.00 | ITEM | B0-716 | 82.50 | | |
| | | | | | 5,473.06 | | |
| | COST PER 2.83 CU.M | | | | 5,473.06 | | |
| | RATE PER 1 CU.M | | | DR1-003 | 1,933.94 | | |
| | | | | SAY | 1,933.95 | 1,824.20 | 109.75 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|----------|--|----------|-------|------------|--------------|--------------|--------------|
| DR1-004 | CUTTING NEW SIDE DRAINS IN SOFT ROCK : * | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (S/SK) | 2.25 | DAYS | B0-003 | 5,175.00 | | |
| | LABOUR (U/SK) | 0.25 | DAY | B0-004 | 562.50 | | |
| | ALLOW 2.5% ON LABOUR BASKETS | 0.33 | NO. | B0-631 | 99.00 | | |
| | ALLOW FOR COIR STRING | 1.00 | TEM | B0-716 | 82.50 | | |
| | | | | | 6,062.44 | | |
| | COST PER 2.83 CU.M | | | | 6,062.44 | | |
| | RATE PER 1 CU.M | | | DR1-004 | 2,142.20 | | |
| | | | | SAY | 2,142.20 | 2,027.39 | 114.81 |
| DR1-005 | CUTTING NEW SIDE DRAINS IN UNCLASSIFIED SOIL : * | | | | | | |
| | DATA FOR 1 CU.M | | | | | | |
| | RATE @ DR1-001 | | | | 1,100.91 | | |
| | RATE @ DR1-002 | | | | 1,517.42 | | |
| | RATE @ DR1-003 | | | | 1,933.94 | | |
| | AVERAGE BASIC COST PER 1 CU.M | | | | 1,517.42 | | |
| | RATE PER 1 CU.M | | | DR1-005 | 1,517.42 | | |
| | | | | SAY | 1,517.40 | 1,417.84 | 99.56 |
| DR1-005A | CUTTING SIDE DRAINS OF STD. DIMENSIONS IN UNCLASSIFIED SOIL USING MACHINE (BACK HOE J.C.B.) INCLUDING SHAPING, TRIMMING AND LEVELLING BOTTOM MANUALLY. | | | | | | |
| | DATA FOR 10 METER LENGTH (5.06 CU.M) | | | | | | |
| | TOP WIDTH OF DRAIN | 900.00 | MM | | | | |
| | BOTTOM WIDTH OF DRAIN | 450.00 | MM | | | | |
| | AVERAGE DEPTH OF DRAIN | 750.00 | MM | | | | |
| | J.C.B. BUCKET WIDTH | 600.00 | MM | | | | |
| | TOTAL EXCAVATION IN 10 M LENGTH ((.9 + .4) / 2 X .75 X 10] | 5.06 | CU.M | | | | |
| | EXCAVATION BY JCB BUCKET (.6 X .6 X 10) | 3.60 | CU.M | | | | |
| | VOLUME LEFT FOM MANUAL WORK | 1.46 | CU.M | | | | |
| | AVERAGE OUTPUT OF J.C.B. PER HOUR | 9.00 | CU.M | | | | |
| | HIRE CHAGE PER HOUR | 0.13 | DAY | B0-115 | 4,314.33 | | |
| | COST OF EXCAVATION BY JCB FOR 3.6 CU.M | 0.40 | HOURL | | 1,725.73 | | |
| | COST OF MANUAL EXCAVATION FOR SHAPING TRIMMING & LEVELLING | 1.46 | CU.M | DR1-005 | 2,215.43 | | |
| | TOTAL COST FOR 5.06 CU.M | | | | 3,941.17 | | |
| | RATE PER 1 CU.M | | | DR1-005A | 778.89 | | |
| | | | | SAY | 778.90 | 409.10 | 369.80 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|-----------------|-----------------|-----------------|
| DR1-006 | CUTTING NEW SIDE DRAINS IN ROCK : * | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR SKILLED (B) | 2.00 | DAYS | B0-002 | 5,600.00 | | |
| | LABOUR (U/SK) | 2.25 | DAYS | B0-004 | 5,062.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 266.56 | | |
| | ALLOW FOR FUEL, FORGE, ETC. | 1.00 | ITEM | B0-723 | 220.00 | | |
| | POWDER | 0.45 | KG | B0-501 | 931.83 | | |
| | FUSE | 3.96 | M | B0-502 | 3,292.36 | | |
| | STEEL | 0.57 | KG | B0-503 | 396.64 | | |
| | | | | | 15,769.90 | | |
| | | | | | ----- | | |
| | COST PER 2.83 CU.M | | | | 15,769.90 | | |
| | RATE PER 1 CU.M | | | DR1-006 | 5,572.40 | | |
| | | | | | ===== | | |
| | | | | SAY | 5,572.40 | 3,767.67 | 1,804.73 |
| DR1-007 | TURFING (EXCLUDING ROYALTY, TRANSPORT AND WATERING & MAINTENANCE) [SSCM 802.3a]: | | | | | | |
| | DATA FOR 19 SQ.M | | | | | | |
| | LABOUR (U/SK) | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 112.50 | | |
| | ALLOW FOR PEGS | 1.00 | ITEM | B0-746 | 550.00 | | |
| | BASKETS | 0.17 | NO. | B0-631 | 51.00 | | |
| | | | | | 5,213.50 | | |
| | | | | | ----- | | |
| | COST PER 19 SQ.M | | | | 5,213.50 | | |
| | RATE PER 1 SQ.M | | | DR1-007 | 274.39 | | |
| | | | | | ===== | | |
| | | | | SAY | 274.40 | 236.84 | 37.56 |
| DR1-008 | WATERING AND MAINTAINING TURF FOR THREE MONTHS INCLUDING TRANSPORT OF WATER | | | | | | |
| | DATA FOR 4000 SQ.M PER DAY | | | | | | |
| | LABOUR U/SK | 7.00 | DAYS | B0-004 | 15,750.00 | | |
| | ALLOW 2.5% OF LABOUR FOR TOOLS | | | | 393.75 | | |
| | TRACTOR AND TRAILOR | 1.00 | DAY | B0-117 | 10,684.90 | | |
| | TANK AND 50 MM. PUMP | 1.00 | DAY | B0-104 | 0.00 | | |
| | | | | | 26,828.65 | | |
| | COST PER 4000 SQ.M PER TIME | | | | 26,828.65 | | |
| | ASSUMING 16 DAYS WATERING PER MONTH, COST PER 4000 SQ.M FOR THREE MONTHS (3816.67X16X3) | | | | 1,287,775.20 | | |
| | | | | | ----- | | |
| | | | | | 1,287,775.20 | | |
| | RATE PER 1 SQ.M FOR WAT. & MAINT. FOR 3 MONTHS | | | DR1-008 | 321.94 | | |
| | | | | | ===== | | |
| | | | | SAY | 321.95 | 189.00 | 132.95 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|-----------------|-----------------|-----------------|
| DR1-009 | LEVELLING & TRIMMING EARTH : * | | | | | | |
| | DATA FOR 74 SQ.M | | | | | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 56.25 | | |
| | BASKETS | 0.33 | NO. | B0-631 | 99.00 | | |
| | | | | | 2,405.25 | | |
| | COST PER 74 SQ.M | | | | 2,405.25 | | |
| | RATE PER 1 SQ.M | | | DR1-009 | 32.50 | | |
| | | | | SAY | 32.50 | 30.41 | 2.09 |
| DR1-010 | CLEARING SILT ETC. FROM KERBS & CHANNELS (SSCM 12053): * | | | | | | |
| | DATA FOR 120 METRES | | | | | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 56.25 | | |
| | BASKETS | 0.17 | NO. | B0-631 | 51.00 | | |
| | | | | | 2,357.25 | | |
| | COST PER 120 METRES | | | | 2,357.25 | | |
| | RATE PER 1 METRE | | | DR1-010 | 19.64 | | |
| | | | | SAY | 19.65 | 18.75 | 0.90 |
| DR1-011 | CUTTING SCUPPER DRAINS ON ANY SOIL OTHER THAN ROCK TO AN AVERAGE WIDTH OF 0.75 M WITH PROPER GRADIENT AND AVE. DEPTH OF 100 MM (SSCM 1304.3): * | | | | | | |
| | DATA FOR 36 METRES | | | | | | |
| | LABOUR (S/SK) | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 115.00 | | |
| | BASKETS | 0.33 | NO. | B0-631 | 100.00 | | |
| | | | | | 4,815.00 | | |
| | COST PER 36 METRES | | | | 4,815.00 | | |
| | RATE PER 1 METRE | | | DR1-011 | 133.75 | | |
| | | | | SAY | 133.75 | 127.78 | 5.97 |
| DR1-012 | CLEANING AND DESILTING OF CULVERTS (SSCM 1303.3): * | | | | | | |
| | DATA FOR 6 CULVERTS | | | | | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 56.25 | | |
| | BASKETS | 0.33 | NO. | B0-631 | 100.00 | | |
| | | | | | 2,406.25 | | |
| | COST FOR 6 CULVERTS | | | | 2,406.25 | | |
| | RATE PER 1 NO CULVERT | | | DR1-012 | 401.04 | | |
| | | | | SAY | 401.05 | 375.00 | 26.05 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|--------------|--------------|--------------|
| DR1-013 | CLEANING CHOKED CULVERTS (WITH HEAD ROOM > 1 M **): * | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 112.50 | | |
| | BASKETS | 0.33 | NO. | B0-631 | 100.00 | | |
| | | | | | 4,712.50 | | |
| | COST FOR 2.83 CU.M | | | | 4,712.50 | | |
| | RATE PER 1 CU.M | | | DR1-013 | 1,665.19 | | |
| | | | | SAY | 1,665.20 | 1,590.11 | 75.09 |
| | ** IF THE CULVERT HEAD ROOM IS LESS THAN 1 METRE, WORK SHALL BE CARRIED OUT ON DAY WORKS BASIS. | | | | | | |
| DR1-014 | CLEANING DESILTING EXISTING SIDE DRAINS AND LEAD UP DRAINS TO PROPER SHAPE AND GRADIENT AND TRANSPORT OF EXCAVATED MATERIALS FROM ROAD SIDE UP TO 100 M : * | | | | | | |
| | DATA FOR 1.6 KILO METRES | | | | | | |
| (1) | CLEANING VEGETATION ETC. FROM EDGES OF DRAINS .6 M AVERAGE WIDTH: | | | | | | |
| | LABOUR (U/SK) | 2.50 | DAYS | B0-004 | 5,625.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 140.63 | | |
| | | | | | 5,765.63 | | |
| | COST PER 1600 M | | | | 5,765.63 | | |
| (2) | REMOVING SILT ASSUME DEPTH 75 MM GET SILTED ONCE IN SIX MONTHS (1600 x .45 x .075) | 54.00 | CU.M | E1-003 | 67,918.50 | | |
| | | | | | 67,918.50 | | |
| | COST PER 1600 M | | | | 67,918.50 | | |
| (3) | 15% OF SILT HEAD CARRY (54 x 15/100) | 8.10 | CU.M | T1-001 | 5,137.02 | | |
| | | | | | 5,137.02 | | |
| | COST PER 1600 M | | | | 5,137.02 | | |
| | TOTAL COST PER 1600 M (1)+(2)+(3) | | | | 78,821.15 | | |
| | RATE PER 1 M | | | DR1-014 | 49.26 | | |
| | | | | SAY | 49.25 | 46.90 | 2.35 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|-----------------|-----------------|-----------------|
| DR1-015 | CLEARING INLETS AND OUTLETS OF CULVERTS: * | | | | | | |
| | FOR 10 CULVERTS | | | | | | |
| | LABOUR (U/SK) | 1.50 | DAYS | B0-004 | 3,375.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 84.38 | | |
| | BASKETS | 0.50 | NO. | B0-631 | 150.00 | | |
| | | | | | 3,609.38 | | |
| | RATE PER 10 CULVERTS | | | | 3,609.38 | | |
| | RATE PER CULVERT | 1.00 | NO. | DR1-015 | 360.94 | | |
| | | | | SAY | 360.95 | 337.50 | 23.45 |

* * *

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--|--|----------|------|------------|--------------|--------------|--------------|
| SECTION X ===== | | | | | | | |
| BRIDGES, CULVERTS & RETAINING WALLS ETC. ----- | | | | | | | |
| ST1-001 | DEMOLISHING LEAN CONCRETE STRUCTURE INCLUDING STACKING OR LOADING. [SSCM 202.2]: | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (S/SK) - DEMOLISHING | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (U/SK) - DEMOLISHING | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | LABOUR (U/SK) - COLLECTING | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 338.75 | | |
| | | | | | 13,888.75 | | |
| | COST PER 2.83 CU.M | | | | 13,888.75 | | |
| | RATE PER 1 CU.M | | | ST1-001 | 4,907.69 | | |
| | | | | SAY | 4,907.70 | 4,787.99 | 119.71 |
| ST1-002 | DEMOLISHING REINFORCED CONCRETE STRUCTURE INCLUDING STACKING OR LOADING.: | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (S/SK)-DEMOLISHING | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (U/SK) | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | LABOUR (U/SK)-COLLECTING & STACK. | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 395.00 | | |
| | | | | | 16,195.00 | | |
| | COST PER 2.83 CU.M | | | | 16,195.00 | | |
| | RATE PER 1 CU.M | | | ST1-002 | 5,722.61 | | |
| | | | | SAY | 5,722.60 | 5,583.04 | 139.56 |
| ST1-003 | DEMOLISHING RANDOM RUBBLE MASONRY IN CEMENT MORTAR INCLUDING STACKING OR LOADING.: | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (S/SK)-DEMOLISHING | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | LABOUR (U/SK)-COLLECTING & STACK. | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 171.25 | | |
| | | | | | 7,021.25 | | |
| | COST PER 2.83 CU.M | | | | 7,021.25 | | |
| | RATE PER 1 CU.M | | | ST1-003 | 2,481.01 | | |
| | | | | SAY | 2,481.00 | 2,420.49 | 60.51 |
| ST1-003A | DEMOLISHING BRICK MASONRY IN CEMENT MORTAR INCLUDING STACKING OR LOADING.: | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (S/SK)-DEMOLISHING | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (U/SK)-COLLECTING & STACK. | 2.00 | DAY | B0-004 | 4,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 170.00 | | |
| | | | | | 6,970.00 | | |
| | COST PER 2.83 CU.M | | | | 6,970.00 | | |
| | RATE PER 1 CU.M | | | ST1-003A | 2,462.90 | | |
| | | | | SAY | 2,462.90 | 2,402.83 | 60.07 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|-------|------------|--------------|--------------|--------------|
| ST1-004 | RANDOM RUBBLE MASONRY, 150-225 MM RUBBLE IN APPROVED CEMENT& SAND MORTAR 1:6 (EXCLUDING TRANSPORT OF RUBBLE & PILING) [SSCM 1006.3]: | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | RUBBLE 150 MM - 225 MM (LESS PILING) | 3.11 | CU.M | B0-302 | 7,692.52 | | |
| | MASONS (SK/B) | 3.00 | DAYS | B0-002 | 8,400.00 | | |
| | LABOUR (S/SK) | 6.00 | DAYS | B0-003 | 13,800.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 555.00 | | |
| | CEMENT | 5.00 | 50 KG | B0-401 | 9,220.00 | | |
| | SAND | 1.13 | CU.M | B0-332 | 4,522.53 | | |
| | BASKETS (1/6) | 0.17 | NO. | B0-631 | 50.00 | | |
| | WATER | 27.00 | LTR | B0-788 | 742.50 | | |
| | | | | | 44,982.55 | | |
| | COST PER 2.83 CU.M | | | | 44,982.55 | | |
| | RATE PER 1 CU.M | | | ST1-004 | 15,894.89 | | |
| | | | | SAY | 15,894.90 | 7,844.52 | 8,050.38 |
| ST1-005 | RANDOM RUBBLE MASONRY, 150-225 MM RUBBLE IN APPROVED CEMENT & SAND MORTAR 1:5 (EXCLUDING TRANSPORT OF RUBBLE & PILING) [SSCM 1006.3]: | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | RUBBLE 150 MM - 225 MM (LESS PILING) | 3.11 | CU.M | B0-302 | 7,692.52 | | |
| | MASONS (SK/B) | 3.00 | DAYS | B0-002 | 8,400.00 | | |
| | LABOUR (S/SK) | 6.00 | DAYS | B0-003 | 13,800.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 555.00 | | |
| | CEMENT | 6.00 | 50 KG | B0-401 | 11,064.00 | | |
| | SAND | 1.13 | CU.M | B0-332 | 4,522.53 | | |
| | BASKETS (1/6) | 0.17 | NO. | B0-631 | 50.00 | | |
| | WATER | 32.50 | LTR | B0-788 | 893.75 | | |
| | | | | | 46,977.80 | | |
| | COST PER 2.83 CU.M | | | | 46,977.80 | | |
| | RATE PER 1 CU.M | | | ST1-005 | 16,599.93 | | |
| | | | | SAY | 16,599.95 | 7,844.52 | 8,755.43 |
| ST1-006 | RANDOM RUBBLE MASONRY IN APPROVED CEMENT & SAND MORTAR 1:6 WITH AVAILABLE RUBBLE 150-225 MM : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | AS PER ITEM ST1-004 | 2.83 | CU.M | ST1--004 | 44,982.55 | | |
| | DEDUCT FOR RUBBLE (LESS PILING) | 3.11 | CU.M | B0-302 | 7,692.52 | | |
| | | | | | 37,290.03 | | |
| | COST PER 2.83 CU.M | | | | 37,290.03 | | |
| | RATE PER 1 CU.M | | | ST1-006 | 13,176.69 | | |
| | | | | SAY | 13,176.70 | 7,844.52 | 5,332.18 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| ST1-007 | RANDOM RUBBLE MASONRY IN APPROVED CEMENT & SAND MORTAR 1:5 WITH AVAILABLE RUBBLE 150-225 MM : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | AS PER ITEM ST1--005 | 2.83 | CU.M | ST1-005 | 46,977.80 | | |
| | DEDUCT FOR RUBBLE (LESS PILING) | 3.11 | CU.M | B0-302 | 7,692.52 | | |
| | | | | | 39,285.28 | | |
| | COST PER 2.83 CU.M | | | | 39,285.28 | | |
| | RATE PER 1 CU.M | | | ST1-007 | 13,881.72 | | |
| | | | | SAY | 13,881.70 | 7,844.52 | 6,037.18 |
| ST1-008 | DRY MASONRY WITH AVAILABLE HEAVY RUBBLE OR BOULDERS (SSCM 1006.3 (B): | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | MASONS (SK/A) | 2.50 | DAYS | B0-001 | 7,750.00 | | |
| | LABOUR (S/SK) | 5.00 | DAYS | B0-003 | 11,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 481.25 | | |
| | | | | | 19,731.25 | | |
| | COST PER 2.83 CU.M | | | | 19,731.25 | | |
| | RATE PER 1 CU.M | | | ST1-008 | 6,972.17 | | |
| | | | | SAY | 6,972.15 | 6,802.12 | 170.03 |
| ST1-009 | DRY RANDOM MASONRY WITH RUBBLE 150-225 MM (EXCLUDING TRANSPORT OF RUBBLE & PILING): | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | MASONRY RUBBLE (LESS PILING) | 2.83 | CU.M | B0-302 | 6,999.94 | | |
| | MASONS (SK/A) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (S/SK) | 4.00 | DAYS | B0-003 | 9,200.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 385.00 | | |
| | | | | | 22,784.94 | | |
| | COST PER 2.83 CU.M | | | | 22,784.94 | | |
| | RATE PER 1 CU.M | | | ST1-009 | 8,051.22 | | |
| | | | | SAY | 8,051.20 | 5,441.70 | 2,609.50 |
| ST1-010 | DRY RANDOM MASONRY WITH AVAILABLE RUBBLE 150-225 MM: | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | MASONS (SK/A) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (S/SK) | 4.00 | DAYS | B0-003 | 9,200.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 385.00 | | |
| | | | | | 15,785.00 | | |
| | COST PER 2.83 CU.M | | | | 15,785.00 | | |
| | RATE PER 1 CU.M | | | ST1-010 | 5,577.74 | | |
| | | | | SAY | 5,577.75 | 5,441.70 | 136.05 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| ST1-011 | PACKING AVAILABLE RUBBLE AND AGGREGATE FILTER LAYERS BEHIND MASONRY WALLS: DATA FOR 2.83 CU.M ----- LABOUR (U/SK) 1.75 DAYS B0-004 3,937.50 ALLOW 2.5% ON LABOUR FOR TOOLS 98.44 BASKETS (1/3) 0.33 NO. B0-631 100.00 ----- 4,135.94 COST PER 2.83 CU.M 4,135.94 RATE PER 1 CU.M ST1-011 1,461.46 ===== | | | | | | |
| | | | | SAY | 1,461.45 | 1,391.34 | 70.11 |
| ST1-012 | CLAY PUDDLED & LAID BEHIND MASONRY WALLS (EXCL. TRANSPORT OF CLAY) (SSCM 705.3): DATA FOR 2.83 CU.M ----- CLAY AS PER ITEM E1-008 2.83 CU.M E1-008 5,965.92 LABOUR (U/SK) 1.00 DAY B0-004 2,250.00 ALLOW 2.5% ON LABOUR FOR TOOLS 56.25 BASKETS (1/3) 0.33 NO. B0-631 100.00 ----- 8,372.17 COST PER 2.83 CU.M 8,372.17 RATE PER 1 CU.M ST1-012 2,958.37 ===== | | | | | | |
| | | | | SAY | 2,958.35 | 2,822.44 | 135.91 |
| ST1-013 | GROUTING COURSED STONE MASONRY JOINTS WITH WITH APPROVED CEMENT & SAND MORTAR 1:3 (SSCM 804.2(C): DATA FOR 19 SQ.M ----- MASONS (SK/A) 1.00 DAY B0-001 3,100.00 LABOUR (S/SK) 2.00 DAYS B0-003 4,600.00 ALLOW 2.5% ON LABOUR FOR TOOLS 192.50 CEMENT 1.50 50 KG B0-401 2,766.00 SAND 0.14 CU.M B0-332 565.66 BASKETS (1/40) 0.03 NO. B0-631 7.50 WATER 27.00 LTR B0-788 742.50 ----- 11,974.16 COST PER 19 SQ.M 11,974.16 RATE PER 1 SQ.M ST1-013 630.22 ===== | | | | | | |
| | | | | SAY | 630.20 | 405.26 | 224.94 |

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|---------|--|----------|-------|------------|--------------|--------------|--------------|
| ST1-014 | GROUTING RUBBLE PAVING WITH CONCRETE CLASS C, 1:2:4(19 MM) (EXCL. TRANSPORT OF AGGR. FOR CONCRETE & PILING): | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | CONCRETE AS PER ITEM ST1-046 | 0.28 | CU.M | ST1-046 | 6,396.54 | | |
| | MASONS (SK/A) | 0.25 | DAY | B0-001 | 775.00 | | |
| | LABOUR (S/SK) | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 48.13 | | |
| | | | | | 8,369.66 | | |
| | | | | | ----- | | |
| | COST PER 2.83 CU.M | | | | 8,369.66 | | |
| | RATE PER 1 CU.M | | | ST1-014 | 2,957.48 | | |
| | | | | SAY | 2,957.50 | 1,329.51 | 1,627.99 |
| ST1-015 | GROUTING RUBBLE PAVING WITH APPROVED CEMENT & SAND MORTAR (1:3): | | | | | | |
| | DATA FOR 19 SQ.M | | | | | | |
| | MASONS (SK/A) | 1.50 | DAY | B0-001 | 4,650.00 | | |
| | LABOUR (S/SK) | 3.00 | DAYS | B0-003 | 6,900.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 288.75 | | |
| | CEMENT | 3.00 | 50 KG | B0-401 | 5,532.00 | | |
| | SAND | 0.28 | CU.M | B0-332 | 1,130.63 | | |
| | BASKETS (2/40) | 0.05 | NO. | B0-631 | 15.00 | | |
| | WATER | 54.00 | LTR | B0-788 | 1,485.00 | | |
| | | | | | 20,001.38 | | |
| | | | | | ----- | | |
| | COST PER 19 SQ.M | | | | 20,001.38 | | |
| | RATE PER 1 SQ.M | | | ST1-015 | 1,052.70 | | |
| | | | | SAY | 1,052.70 | 607.89 | 444.81 |
| ST1-016 | FORMING WEEP HOLES IN MASONRY CONSTRUCTION (LABOUR ONLY) [SSCM 706.3] : | | | | | | |
| | DATA FOR 6 NOS. | | | | | | |
| | MASONS (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 77.50 | | |
| | | | | | 3,177.50 | | |
| | | | | | ----- | | |
| | COST PER 6 NOS. | | | | 3,177.50 | | |
| | RATE PER 1 NO. | | | ST1-016 | 529.58 | | |
| | | | | SAY | 529.60 | 516.67 | 12.93 |

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|---------|---|----------|-----------|------------|--------------|--------------|--------------|
| ST1-017 | FORMING WEEP HOLES USING P.V.C. PIPES OF INT. DIA. NOT LESS THAN 100 MM. COMPLETE WITH DRIPLEGE AND SURROUND FINISH SMOOTH: | | | | | | |
| | DATA FOR 6 M | | | | | | |
| | LABOUR Sk'B' (3.5 HOURS) | 0.44 | DAY | B0-002 | 1,225.00 | | |
| | LABOUR U/Sk (1.5 HOURS) | 0.19 | DAY | B0-004 | 421.88 | | |
| | ALLOW 2.5% OF LABOUR FOR TOOLS | | | | 41.17 | | |
| | ALLOW 10% OF LABOUR FOR CEMENT, SAND ETC. | | | | 164.69 | | |
| | P.V.C. PIPE DIA. 110 MM | 6.00 | M | B0-636 | 6,349.20 | | |
| | ALLOW 5% FOR WASTE | | | | 317.46 | | |
| | | | | | 8,519.39 | | |
| | COST FOR 6 METRES | | | | 8,519.39 | | |
| | RATE PER 1 METRE | | | ST1-017 | 1,419.90 | | |
| | | | | SAY | 1,419.90 | 274.48 | 1,145.42 |
| ST1-018 | SHORING WITH 37.5 MM THICK CLASS II TIMBER PLANKS UP TO 3 M DEPTH.: | | | | | | |
| | DATA FOR 9 SQ.M (INCLUDING 10% WASTE & FOR 6 USES) | | | | | | |
| | 37.5 MM THICK PLANKS (CLASS II TIMBER) | 61.88 | CU.DECI M | B0-392 | 7,097.06 | | |
| | CARPENTER (SK/A) | 0.50 | DAY | B0-001 | 1,550.00 | | |
| | LABOUR (U/SK) | 1.50 | DAYS | B0-004 | 3,375.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 123.13 | | |
| | | | | | 12,145.19 | | |
| | COST PER 9 SQ.M | | | | 12,145.19 | | |
| | RATE PER 1 SQ.M | | | ST1-018 | 1,349.47 | | |
| | | | | SAY | 1,349.45 | 547.22 | 802.23 |
| ST1-019 | SUPPLYING & FIXING CLASS II TIMBER STRUTS ETC. FOR SHORING UP TO 3 M DEPTH.: | | | | | | |
| | DATA FOR 45 CU.DECI M (INCLUDING 10% WASTE & FOR 6 USES) | | | | | | |
| | TIMBER CLASS II | 8.25 | CU.DECI M | B0-392 | 946.28 | | |
| | CARPENTER (SK/A) | 0.50 | DAY | B0-001 | 1,550.00 | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 95.00 | | |
| | | | | | 4,841.28 | | |
| | COST PER 45 CU.DECI M | | | | 4,841.28 | | |
| | RATE PER 1 CU.DECI M | | | ST1-019 | 107.58 | | |
| | | | | SAY | 107.60 | 84.44 | 23.16 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|-----------|------------|--------------|--------------|--------------|
| ST1-020 | SUPPLYING AND FIXING CLASS II TIMBER IN SHORING UP TO 3 M DEPTH (RATE PER AREA BASIS). : | | | | | | |
| | CONSIDER EXCAVATION OF TRENCH 3 X 1.5 X 3 M DATA FOR 18 SQ.M SURFACE AREA BOTH SIDES, (INCLUDING 10% WASTE AND 12 USES ON STRUTS) | | | | | | |
| | 50X100 MM TIMBER REQUIREMENT : | | | | | | |
| | HORIZONTALS - 3 M X 3 NO X 2 SIDES = | 18.00 | M | | | | |
| | VERTICLES - 3 M X 3.5 NO X 2 SIDES = | 21.00 | M | | | | |
| | CROSS STRUTS - 1.4 M X 7 NO = | 9.80 | M | | | | |
| | TOTAL LENGTH = | 48.80 | M | | | | |
| | VOL. OF TIMBER (.050X.100X48.8X1000) = | 244.00 | CU.DECI M | | | | |
| | COST OF 18 SQ.M AS PER ITEM ST1-018, | 18.00 | SQ.M | ST1-018 | 24,290.38 | | |
| | COST OF STRUTS ETC. FOR 18 SQ.M AREA, | 44.73 | CU.DECI M | ST1-019 | 4,812.59 | | |
| | TOTAL COST FOR 18 SQ.M | | | | 29,102.96 | | |
| | RATE PER 1 SQ.M | | | ST1--020 | 1,616.83 | | |
| | | | | SAY | 1,616.85 | 757.08 | 859.77 |
| ST1-021 | LIFTING SOIL FOR EVERY 1.5 M BEYOND THE INITIAL 1.5 M : | | | | | | |
| | DATA FOR 2.83 CU.M PER LIFTING 1 STAGE | | | | | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 56.25 | | |
| | | | | | 2,306.25 | | |
| | COST PER 2.83 CU.M PER LIFT | | | | 2,306.25 | | |
| | RATE PER 1 CU.M PER LIFT | | | ST1-021 | 814.93 | | |
| | | | | SAY | 814.95 | 795.05 | 19.90 |
| ST1-022 | LIFTING WEDGE STONES EVERY 1.5 M BEYOND THE INITIAL 1.5 M : | | | | | | |
| | DATA FOR 2.83 CU.M PER LIFTING 1 STAGE | | | | | | |
| | LABOUR (U/SK) | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 168.75 | | |
| | | | | | 6,918.75 | | |
| | COST PER 2.83 CU.M PER LIFT | | | | 6,918.75 | | |
| | RATE PER 1 CU.M PER LIFT | | | ST1-022 | 2,444.79 | | |
| | | | | SAY | 2,444.80 | 2,385.16 | 59.64 |
| ST1-023 | LIFTING RUBBLE OR CONCRETE EVERY 1.5 M BEYOND THE INITIAL 1.5 M : | | | | | | |
| | DATA FOR 2.83 CU.M PER LIFTING 1 STAGE | | | | | | |
| | LABOUR (U/SK) | 1.50 | DAYS | B0-004 | 3,375.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 84.38 | | |
| | | | | | 3,459.38 | | |
| | COST PER 2.83 CU.M PER LIFT | | | | 3,459.38 | | |
| | RATE PER 1 CU.M PER LIFT | | | ST1-023 | 1,222.39 | | |
| | | | | SAY | 1,222.40 | 1,192.58 | 29.82 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|-------|------------|--------------|--------------|--------------|
| ST1-024 | LOWERING WEDGED STONES EVERY 1.5 M BEYOND THE INITIAL 1.5 M : | | | | | | |
| | DATA FOR 2.83 CU.M PER LOWERING 1 STAGE | | | | | | |
| | LABOUR (U/SK) | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 112.50 | | |
| | | | | | 4,612.50 | | |
| | COST PER 2.83 CU.M | | | | 4,612.50 | | |
| | RATE PER 1 CU.M PER LOWER | | | ST1-024 | 1,629.86 | | |
| | | | | SAY | 1,629.85 | 1,590.11 | 39.74 |
| ST1-025 | LOWERING RUBBLE OR CONCRETE FOR EVERY 1.5 M BEYOND THE INITIAL 1.5 M: | | | | | | |
| | DATA FOR 2.83 CU.M PER LOWERING 1 STAGE | | | | | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 56.25 | | |
| | | | | | 2,306.25 | | |
| | COST PER 2.83 CU.M | | | | 2,306.25 | | |
| | RATE PER 1 CU.M PER LOWER | | | ST1-025 | 814.93 | | |
| | | | | SAY | 814.95 | 795.05 | 19.90 |
| ST1-026 | RENDERING 12.5 MM THICK IN CEMENT SAND MORTAR 1:2 MIX (ROUGH): | | | | | | |
| | DATA FOR 9.3 SQ.M | | | | | | |
| | MASONS (SK/A) | 0.75 | DAY | B0-001 | 2,325.00 | | |
| | LABOUR (S/SK) | 1.50 | DAYS | B0-003 | 3,450.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 144.38 | | |
| | CEMENT | 1.40 | 50 KG | B0-401 | 2,572.38 | | |
| | SAND | 0.12 | CU.M | B0-332 | 483.02 | | |
| | BASKETS (1/50) | 0.02 | NO. | B0-631 | 6.00 | | |
| | WATER | 35.34 | LTR | B0-788 | 971.85 | | |
| | | | | | 9,952.62 | | |
| | COST PER 9.3 SQ.M | | | | 9,952.62 | | |
| | RATE PER 1 SQ.M | | | ST1-026 | 1,070.17 | | |
| | | | | SAY | 1,070.15 | 620.97 | 449.18 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|-------|------------|--------------|--------------|--------------|
| ST1-027 | RENDERING 12.5 MM THICK IN CEMENT SAND MORTAR 1:2 MIX (SMOOTH FINISH): | | | | | | |
| | DATA FOR 9.3 SQ.M | | | | | | |
| | MASONS (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (S/SK) | 1.50 | DAYS | B0-003 | 3,450.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 163.75 | | |
| | CEMENT | 1.77 | 50 KG | B0-401 | 3,258.35 | | |
| | SAND | 0.12 | CU.M | B0-332 | 483.02 | | |
| | BASKETS (1/50) | 0.02 | NO. | B0-631 | 6.00 | | |
| | WATER | 47.43 | LTR | B0-788 | 1,304.33 | | |
| | | | | | 11,765.44 | | |
| | COST PER 9.3 SQ.M | | | | 11,765.44 | | |
| | RATE PER 1 SQ.M | | | ST1-027 | 1,265.10 | | |
| | | | | SAY | 1,265.10 | 704.30 | 560.80 |
| ST1-028 | RENDERING 19 MM THICK IN CEMENT SAND MORTAR 1:2 MIX (ROUGH): | | | | | | |
| | DATA FOR 9.3 SQ.M | | | | | | |
| | MASONS (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (S/SK) | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 192.50 | | |
| | CEMENT | 2.14 | 50 KG | B0-401 | 3,944.32 | | |
| | SAND | 0.19 | CU.M | B0-332 | 743.10 | | |
| | BASKETS (1/40) | 0.03 | NO. | B0-631 | 7.50 | | |
| | WATER | 53.94 | LTR | B0-788 | 1,483.35 | | |
| | | | | | 14,070.77 | | |
| | COST PER 9.3 SQ.M | | | | 14,070.77 | | |
| | RATE PER 1 SQ.M | | | ST1-028 | 1,512.99 | | |
| | | | | SAY | 1,513.00 | 827.96 | 685.04 |
| ST1-029 | RENDERING 19 MM THICK IN CEMENT SAND MORTAR 1:2 MIX (SMOOTH FINISH): | | | | | | |
| | DATA FOR 9.3 SQ.M | | | | | | |
| | MASONS (SK/A) | 1.25 | DAY | B0-001 | 3,875.00 | | |
| | LABOUR (S/SK) | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 211.88 | | |
| | CEMENT | 2.51 | 50 KG | B0-401 | 4,630.28 | | |
| | SAND | 0.19 | CU.M | B0-332 | 743.10 | | |
| | BASKETS (1/40) | 0.03 | NO. | B0-631 | 7.50 | | |
| | WATER | 66.03 | LTR | B0-788 | 1,815.83 | | |
| | | | | | 15,883.59 | | |
| | COST PER 9.3 SQ.M | | | | 15,883.59 | | |
| | RATE PER 1 SQ.M | | | ST1-029 | 1,707.91 | | |
| | | | | SAY | 1,707.90 | 911.29 | 796.61 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|-------|------------|--------------|--------------|--------------|
| ST1-030 | RENDERING 12.5 MM THICK IN CEMENT SAND MORTAR 1:3 MIX (ROUGH): | | | | | | |
| | DATA FOR 9.3 SQ.M | | | | | | |
| | MASONS (SK/A) | 0.75 | DAY | B0-001 | 2,325.00 | | |
| | LABOUR (S/SK) | 1.50 | DAYS | B0-003 | 3,450.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 144.38 | | |
| | CEMENT | 1.12 | 50 KG | B0-401 | 2,057.90 | | |
| | SAND | 0.15 | CU.M | B0-332 | 594.48 | | |
| | BASKETS (1/50) | 0.02 | NO. | B0-631 | 6.00 | | |
| | WATER | 26.97 | LTR | B0-788 | 741.68 | | |
| | | | | | 9,319.44 | | |
| | COST PER 9.3 SQ.M | | | | 9,319.44 | | |
| | RATE PER 1 SQ.M | | | ST1-030 | 1,002.09 | | |
| | | | | SAY | 1,002.10 | 620.97 | 381.13 |
| ST1-031 | RENDERING 12.5 MM THICK IN CEMENT SAND MORTAR 1:3 MIX (SMOOTH FINISH): | | | | | | |
| | DATA FOR 9.3 SQ.M | | | | | | |
| | MASONS (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (S/SK) | 1.50 | DAYS | B0-003 | 3,450.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 163.75 | | |
| | CEMENT | 1.58 | 50 KG | B0-401 | 2,915.36 | | |
| | SAND | 0.15 | CU.M | B0-332 | 594.48 | | |
| | BASKETS (1/50) | 0.02 | NO. | B0-631 | 6.00 | | |
| | WATER | 39.06 | LTR | B0-788 | 1,074.15 | | |
| | | | | | 11,303.75 | | |
| | COST PER 9.3 SQ.M | | | | 11,303.75 | | |
| | RATE PER 1 SQ.M | | | ST1-031 | 1,215.46 | | |
| | | | | SAY | 1,215.45 | 704.30 | 511.15 |
| ST1-032 | RENDERING 19 MM THICK IN CEMENT SAND MORTAR 1:3 MIX (ROUGH): | | | | | | |
| | DATA FOR 9.3 SQ.M | | | | | | |
| | MASONS (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (S/SK) | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 192.50 | | |
| | CEMENT | 1.77 | 50 KG | B0-401 | 3,258.35 | | |
| | SAND | 0.22 | CU.M | B0-332 | 891.72 | | |
| | BASKETS (1/40) | 0.03 | NO. | B0-631 | 7.50 | | |
| | WATER | 39.99 | LTR | B0-788 | 1,099.73 | | |
| | | | | | 13,149.79 | | |
| | COST PER 9.3 SQ.M | | | | 13,149.79 | | |
| | RATE PER 1 SQ.M | | | ST1-032 | 1,415.48 | | |
| | | | | SAY | 1,415.50 | 827.96 | 587.54 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|-------|------------|--------------|--------------|--------------|
| ST1-033 | RENDERING 19 MM THICK IN CEMENT SAND MORTAR 1:3 MIX (SMOOTH FINISH): | | | | | | |
| | DATA FOR 9.3 SQ.M | | | | | | |
| | MASONS (SK/A) | 1.25 | DAY | B0-001 | 3,875.00 | | |
| | LABOUR (S/SK) | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 211.88 | | |
| | CEMENT | 2.14 | 50 KG | B0-401 | 3,944.32 | | |
| | SAND | 0.22 | CU.M | B0-332 | 891.72 | | |
| | BASKETS (1/40) | 0.03 | NO. | B0-631 | 7.50 | | |
| | WATER | 53.01 | LTR | B0-788 | 1,457.78 | | |
| | | | | | 14,988.19 | | |
| | COST PER 9.3 SQ.M | | | | 14,988.19 | | |
| | RATE PER 1 SQ.M | | | ST1-033 | 1,611.63 | | |
| | | | | SAY | 1,611.65 | 911.29 | 700.36 |
| ST1-034 | MIXING & LAYING MANUALLY, CEMENT CONCRETE 1:4:8(50 MM) (VOLUME BATCHING) USING CRUSHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING) (SSCM 1001.4): | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | MASON (SK/A) | 0.75 | DAY | B0-001 | 2,325.00 | | |
| | LABOUR (S/SK) | 6.00 | DAYS | B0-003 | 13,800.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 403.13 | | |
| | CEMENT | 9.00 | 50 KG | B0-401 | 16,596.00 | | |
| | AGGREGATE 50 MM (LESS PILING) | 2.83 | CU.M | B0-311 | 5,410.63 | | |
| | SAND | 1.70 | CU.M | B0-332 | 6,791.79 | | |
| | ALLOW FOR WATER | 2.83 | ITEM | B0-782 | 155.65 | | |
| | BASKET (2/3) | 0.67 | NO. | B0-631 | 200.00 | | |
| | | | | | 45,682.19 | | |
| | COST PER 2.83 CU.M | | | | 45,682.19 | | |
| | RATE PER 1 CU.M | | | ST1-034 | 16,142.12 | | |
| | | | | SAY | 16,142.10 | 5,697.88 | 10,444.22 |
| ST1-035 | MIXING & LAYING USING CONCRETE MIXER, CEMENT CONCRETE 1:4:8(50 MM) (VOLUME BATCHING) USING CRUSHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING) (SSCM 1001.8-1001.9): | | | | | | |
| | DATA FOR 8.5 CU.M | | | | | | |
| | MASON (SK/A) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (S/SK) | 10.00 | DAYS | B0-003 | 23,000.00 | | |
| | LABOUR (U/SK) | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 955.00 | | |
| | CEMENT | 27.00 | 50 KG | B0-401 | 49,788.00 | | |
| | AGGREGATE 50 MM (LESS PILING) | 8.50 | CU.M | B0-311 | 16,250.99 | | |
| | SAND | 5.10 | CU.M | B0-332 | 20,375.36 | | |
| | ALLOW FOR WATER | 8.50 | ITEM | B0-781 | 467.50 | | |
| | BASKET | 2.00 | NOS. | B0-631 | 600.00 | | |
| | HIRE OF CONC. MIXER (400 LTRS.) | 1.00 | DAY | B0-102 | 8,583.62 | | |
| | | | | | 135,220.48 | | |
| | COST PER 8.5 CU.M | | | | 135,220.48 | | |
| | RATE PER 1 CU.M | | | ST1-035 | 15,908.29 | | |
| | | | | SAY | 15,908.30 | 4,494.12 | 11,414.18 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|-------|------------|--------------|--------------|--------------|
| ST1-036 | MIXING & LAYING MANUALLY CEMENT CONCRETE 1:4:8(50 MM) WITH 20% PLUMS(VOLUME BATCHING), USING CRUSHER RUN AGGREGATE.(EXCL. TRANSPORT OF AGGREGATE & PILING): | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | MASON (SK/A) | 0.75 | DAY | B0-001 | 2,325.00 | | |
| | LABOUR (S/SK) | 6.00 | DAYS | B0-003 | 13,800.00 | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 459.38 | | |
| | CEMENT | 7.20 | 50 KG | B0-401 | 13,276.80 | | |
| | AGGREGATE 50 MM (LESS PILING) | 2.26 | CU.M | B0-311 | 4,320.85 | | |
| | RUBBLE 150-225 MM (LESS PILING) | 0.57 | CU.M | B0-302 | 1,399.99 | | |
| | SAND | 1.36 | CU.M | B0-332 | 5,433.43 | | |
| | ALLOW FOR WATER | 2.83 | ITEM | B0-782 | 155.65 | | |
| | BASKET (2/3) | 0.67 | NO. | B0-631 | 200.00 | | |
| | | | | | 43,621.10 | | |
| | COST PER 2.83 CU.M | | | | 43,621.10 | | |
| | RATE PER 1 CU.M | | | ST1-036 | 15,413.81 | | |
| | | | | SAY | 15,413.80 | 6,492.93 | 8,920.87 |
| ST1-037 | MIXING & LAYING USING CONCRETE MIXER, CEMENT CONCRETE 1:4:8(50 MM) WITH 20% PLUMS(VOLUME BATCHING) USING CRUSHER RUN AGGREGATE.(EXCLUDING TRANSPORT OF AGGREGATE & PILING): | | | | | | |
| | DATA FOR 8.5 CU.M | | | | | | |
| | MASON (SK/A) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (S/SK) | 10.00 | DAYS | B0-003 | 23,000.00 | | |
| | LABOUR (U/SK) | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 955.00 | | |
| | CEMENT | 21.60 | 50 KG | B0-401 | 39,830.40 | | |
| | AGGREGATE 50 MM (LESS PILING) | 6.80 | CU.M | B0-311 | 13,000.80 | | |
| | RUBBLE 150-225 MM (LESS PILING) | 1.70 | CU.M | B0-302 | 4,204.91 | | |
| | SAND | 4.10 | CU.M | B0-332 | 16,380.19 | | |
| | ALLOW FOR WATER | 8.50 | ITEM | B0-781 | 467.50 | | |
| | BASKET | 2.00 | NO. | B0-631 | 600.00 | | |
| | HIRE OF CONC. MIXER (400 LTRS.) | 1.00 | DAY | B0-102 | 8,583.62 | | |
| | | | | | 122,222.42 | | |
| | COST PER 8.5 CU.M | | | | 122,222.42 | | |
| | RATE PER 1 CU.M | | | ST1-037 | 14,379.11 | | |
| | | | | SAY | 14,379.10 | 4,494.12 | 9,884.98 |

*** NOTE: WHEN HAND BROKEN AGGREGATE(50 MM OR 37.5 MM) ARE USED, INPLACE OF CRUSHER RUN AGGREGATE, ON APPROVAL BY PD/CE S.S.RR. TO BE PREPARED BASED ON THE SAME NORMS.**

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|-------|------------|-----------------|-----------------|-----------------|
| ST1-038 | MIXING & LAYING MANUALLY, CEMENT CONCRETE 1:3:6(37.5 MM) WITH 20% PLUMS(VOLUME BATCHING) USING CRUSHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING): | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | MASON (SK/A) | 0.75 | DAY | B0-001 | 2,325.00 | | |
| | LABOUR (S/SK) | 6.00 | DAYS | B0-003 | 13,800.00 | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 459.38 | | |
| | CEMENT | 9.00 | 50 KG | B0-401 | 16,596.00 | | |
| | AGGREGATE 37.5 MM (LESS PILING) | 2.26 | CU.M | B0-310 | 5,928.50 | | |
| | RUBBLE 150-225 MM (LESS PILING) | 0.57 | CU.M | B0-302 | 1,399.99 | | |
| | SAND | 1.36 | CU.M | B0-332 | 5,427.04 | | |
| | ALLOW FOR WATER | 2.83 | ITEM | B0-782 | 155.65 | | |
| | BASKET (2/3) | 0.67 | NO. | B0-631 | 200.00 | | |
| | | | | | 48,541.55 | | |
| | COST PER 2.83 CU.M | | | | 48,541.55 | | |
| | RATE PER 1 CU.M | | | ST1-038 | 17,152.49 | | |
| | | | | SAY | 17,152.50 | 6,492.93 | 10,659.57 |
| ST1-039 | MIXING & LAYING USING CONCRETE MIXER, CEMENT CONCRETE 1:3:6(37.5 MM) WITH 20% PLUMS(VOLUME BATCHING) USING CRUSHER RUN AGGREGATE.(EXCL.TRANSPORT OF AGGREGATE & PILING): | | | | | | |
| | DATA FOR 8.5 CU.M | | | | | | |
| | MASON (SK/A) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (S/SK) | 10.00 | DAYS | B0-003 | 23,000.00 | | |
| | LABOUR (U/SK) | 4.00 | DAY | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 955.00 | | |
| | CEMENT | 27.00 | 50 KG | B0-401 | 49,788.00 | | |
| | AGGREGATE 37.5 MM (LESS PILING) | 6.79 | CU.M | B0-310 | 17,785.50 | | |
| | RUBBLE 150-225 MM (LESS PILING) | 1.70 | CU.M | B0-302 | 4,199.97 | | |
| | SAND | 4.08 | CU.M | B0-332 | 16,281.11 | | |
| | ALLOW FOR WATER | 8.50 | ITEM | B0-781 | 467.50 | | |
| | BASKET | 2.00 | NO. | B0-631 | 600.00 | | |
| | HIRE OF CONC. MIXER (LTRS.) | 1.00 | DAY | B0-102 | 8,583.62 | | |
| | | | | | 136,860.70 | | |
| | COST PER 8.5 CU.M | | | | 136,860.70 | | |
| | RATE PER 1 CU.M | | | ST1-039 | 16,101.26 | | |
| | | | | SAY | 16,101.25 | 4,494.12 | 11,607.13 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|-------|------------|--------------|--------------|--------------|
| ST1-040 | MIXING & LAYING MANUALLY, CEMENT CONCRETE 1:3:6(37.5 MM) (VOLUME BATCHING) USING CRUSHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING) (SSCM 1001.4): | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | MASON (SK/A) | 0.75 | DAY | B0-001 | 2,325.00 | | |
| | LABOUR (S/SK) | 6.00 | DAYS | B0-003 | 13,800.00 | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 459.38 | | |
| | CEMENT | 12.40 | 50 KG | B0-401 | 22,865.60 | | |
| | AGGREGATE 37.5 MM (LESS PILING) | 2.83 | CU.M | B0-310 | 7,410.63 | | |
| | SAND | 1.70 | CU.M | B0-332 | 6,791.79 | | |
| | ALLOW FOR WATER | 2.83 | ITEM | B0-782 | 155.65 | | |
| | BASKET (2/3) | 0.67 | NOS. | B0-631 | 200.00 | | |
| | | | | | 56,258.04 | | |
| | | | | | ----- | | |
| | COST PER 2.83 CU.M | | | | 56,258.04 | | |
| | RATE PER 1 CU.M | | | ST1-040 | 19,879.17 | | |
| | | | | SAY | 19,879.15 | 6,492.93 | 13,386.22 |
| ST1-041 | MIXING & LAYING USING CONCRETE MIXER, CEMENT CONCRETE 1:3:6(37.5 MM) (VOLUME BATCHING) USING CRUSHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING): | | | | | | |
| | DATA FOR 8.5 CU.M | | | | | | |
| | MASON (SK/A) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (S/SK) | 10.00 | DAYS | B0-003 | 23,000.00 | | |
| | LABOUR (U/SK) | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 955.00 | | |
| | CEMENT | 37.23 | 50 KG | B0-401 | 68,652.12 | | |
| | AGGREGATE 37.5 MM (LESS PILING) | 8.50 | CU.M | B0-310 | 22,258.06 | | |
| | SAND | 5.10 | CU.M | B0-332 | 20,375.36 | | |
| | ALLOW FOR WATER | 8.50 | ITEM | B0-781 | 467.50 | | |
| | BASKET | 2.00 | NOS. | B0-631 | 600.00 | | |
| | HIRE OF CONC. MIXER (400 LTRS) | 1.00 | DAY | B0-102 | 8,583.62 | | |
| | | | | | 160,091.66 | | |
| | | | | | ----- | | |
| | COST PER 8.5 CU.M | | | | 160,091.66 | | |
| | RATE PER 1 CU.M | | | ST1-041 | 18,834.31 | | |
| | | | | SAY | 18,834.30 | 4,494.12 | 14,340.18 |
| ST1-042 | MIXING & LAYING MANUALLY, CEMENT CONCRETE 1:3:6(19 MM) (VOLUME BATCHING) USING CRUSHED AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING) | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | MASON (SK/A) | 0.75 | DAYS | B0-001 | 2,325.00 | | |
| | LABOUR (S/SK) | 6.00 | DAYS | B0-003 | 13,800.00 | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 459.38 | | |
| | CEMENT | 12.40 | 50 KG | B0-401 | 22,865.60 | | |
| | AGGREGATE 19 MM (LESS PILING) | 2.58 | CU.M | B0-308A | 8,579.30 | | |
| | SAND | 1.70 | CU.M | B0-332 | 6,791.79 | | |
| | ALLOW FOR WATER | 2.83 | ITEM | B0-782 | 155.65 | | |
| | BASKET | 2.00 | NOS. | B0-631 | 600.00 | | |
| | | | | | 57,826.71 | | |
| | | | | | ----- | | |
| | COST PER 2.83 CU.M | | | | 57,826.71 | | |
| | RATE PER 1 CU.M | | | ST1-042 | 20,433.47 | | |
| | | | | SAY | 20,433.45 | 6,492.93 | 13,940.52 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE ----- | DESCRIPTION OF ITEM ----- | QUANTITY ----- | UNIT ---- | PRICE CODE ----- | AMOUNT (Rs.) ----- | LABOUR INPUT ----- | OTHER INPUTS ----- |
|---------------|---|-------------------|--------------|---------------------|--------------------------|--------------------------|--------------------------|
| ST1-043 | MIXING & LAYING USING CONCRETE MIXER, CEMENT CONCRETE 1:3:6(19 MM) (VOLUME BATCHING) USING CRUSHED AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING): | | | | | | |
| | DATA FOR 8.5 CU.M ----- | | | | | | |
| | MASON (SK/A) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (S/SK) | 10.00 | DAYS | B0-003 | 23,000.00 | | |
| | LABOUR (U/SK) | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 955.00 | | |
| | CEMENT | 37.23 | 50 KG | B0-401 | 68,652.12 | | |
| | AGGREGATE 19 MM (LESS PILING) | 7.74 | CU.M | B0-308A | 25,737.89 | | |
| | SAND | 5.10 | CU.M | B0-332 | 20,375.36 | | |
| | ALLOW FOR WATER | 8.50 | ITEM | B0-781 | 467.50 | | |
| | BASKET | 2.00 | NOS. | B0-631 | 600.00 | | |
| | HIRE OF CONC. MIXER (400 LTRS) | 1.00 | DAY | B0-102 | 8,583.62 | | |
| | | | | | ----- | | |
| | | | | | 163,571.49 | | |
| | | | | | ----- | | |
| | COST PER 8.5 CU.M | | | | 163,571.49 | | |
| | RATE PER 1 CU.M | | | ST1-043 | 19,243.71 | | |
| | | | | | ===== | | |
| | | | | SAY | 19,243.70 | 4,494.12 | 14,749.58 |
| ST1-044 | MIXING & LAYING MANUALLY CEMENT CONCRETE 1:2:4(37.5 MM) (VOLUME BATCHING) USING CRUSHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING): | | | | | | |
| | DATA FOR 2.83 CU.M ----- | | | | | | |
| | MASON (SK/A) | 0.75 | DAY | B0-001 | 2,325.00 | | |
| | LABOUR (S/SK) | 6.00 | DAYS | B0-003 | 13,800.00 | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 459.38 | | |
| | CEMENT | 16.00 | 50 KG | B0-401 | 29,504.00 | | |
| | AGGREGATE 37.5 MM (LESS PILING) | 2.83 | CU.M | B0-310 | 7,410.63 | | |
| | SAND | 1.70 | CU.M | B0-332 | 6,791.79 | | |
| | ALLOW FOR WATER | 2.83 | ITEM | B0-782 | 155.65 | | |
| | BASKET (2/3) | 0.67 | NO. | B0-631 | 200.00 | | |
| | | | | | ----- | | |
| | | | | | 62,896.44 | | |
| | | | | | ----- | | |
| | COST PER 2.83 CU.M | | | | 62,896.44 | | |
| | RATE PER 1 CU.M | | | ST1-044 | 22,224.89 | | |
| | | | | | ===== | | |
| | | | | | 22,224.90 | 6,492.93 | 15,731.97 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|-------|------------|-----------------|-----------------|-----------------|
| ST1-045 | MIXING & LAYING USING CONCRETE MIXER, CEMENT CONCRETE 1:2:4(37.5 MM) (VOLUME BATCHING) USING CRUSHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING): | | | | | | |
| | DATA FOR 8.5 CU.M | | | | | | |
| | MASON (SK/A) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (S/SK) | 10.00 | DAYS | B0-003 | 23,000.00 | | |
| | LABOUR (U/SK) | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 955.00 | | |
| | CEMENT | 48.00 | 50 KG | B0-401 | 88,512.00 | | |
| | AGGREGATE 37.5 MM (LESS PILING) | 8.50 | CU.M | B0-310 | 22,258.06 | | |
| | SAND | 5.10 | CU.M | B0-332 | 20,375.36 | | |
| | ALLOW FOR WATER | 8.50 | ITEM | B0-781 | 467.50 | | |
| | BASKET | 2.00 | NOS. | B0-631 | 600.00 | | |
| | HIRE OF CONC. MIXER (400 LTRS.) | 1.00 | DAY | B0-102 | 8,583.62 | | |
| | HIRE OF PORKER VIBRATOR | 1.00 | DAY | B0-106 | 2,223.09 | | |
| | | | | | 182,174.63 | | |
| | COST PER 8.5 CU.M | | | | 182,174.63 | | |
| | RATE PER 1 CU.M | | | ST1-045 | 21,432.31 | | |
| | | | | SAY | 21,432.30 | 4,494.12 | 16,938.18 |
| ST1-046 | MIXING & LAYING MANUALLY CEMENT CONCRETE 1:2:4(19 MM) (VOLUME BATCHING) USING CRUSHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING): | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | MASON (SK/A) | 0.75 | DAY | B0-001 | 2,325.00 | | |
| | LABOUR (S/SK) | 6.00 | DAYS | B0-003 | 13,800.00 | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 459.38 | | |
| | CEMENT | 16.00 | 50 KG | B0-401 | 29,504.00 | | |
| | AGGREGATE 19 MM (LESS PILING) | 2.55 | CU.M | B0-308A | 8,479.54 | | |
| | SAND | 1.70 | CU.M | B0-332 | 6,791.79 | | |
| | ALLOW FOR WATER | 2.83 | ITEM | B0-782 | 155.65 | | |
| | BASKET (2/3) | 0.67 | NO. | B0-631 | 200.00 | | |
| | | | | | 63,965.35 | | |
| | COST PER 2.83 CU.M | | | | 63,965.35 | | |
| | RATE PER 1 CU.M | | | ST1-046 | 22,602.60 | | |
| | | | | SAY | 22,602.60 | 6,492.93 | 16,109.67 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|-------|------------|--------------|--------------|--------------|
| ST1-047 | MIXING & LAYING USING CONCRETE MIXER, CEMENT CONCRETE 1:2:4(19 MM) (VOLUME BATCHING) USING CRUSHER RUN AGGREGATE (EXCL. TRANSPORT OF AGGREGATE & PILING): | | | | | | |
| | DATA FOR 8.5 CU.M | | | | | | |
| | MASON (SK/A) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (S/SK) | 10.00 | DAYS | B0-003 | 23,000.00 | | |
| | LABOUR (U/SK) | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 955.00 | | |
| | CEMENT | 48.00 | 50 KG | B0-401 | 88,512.00 | | |
| | AGGREGATE 19 MM (LESS PILING) | 7.64 | CU.M | B0-308A | 25,408.69 | | |
| | SAND | 5.09 | CU.M | B0-332 | 20,351.39 | | |
| | ALLOW FOR WATER | 8.50 | ITEM | B0-781 | 467.50 | | |
| | BASKET | 2.00 | NOS. | B0-631 | 600.00 | | |
| | HIRE OF CONC. MIXER (400 LTRS.) | 1.00 | DAY | B0-102 | 8,583.62 | | |
| | HIRE OF PORKER VIBRATOR | 1.00 | DAY | B0-106 | 2,223.09 | | |
| | | | | | 185,301.29 | | |
| | COST PER 8.5 CU.M | | | | 185,301.29 | | |
| | RATE PER 1 CU.M | | | ST1-047 | 21,800.15 | | |
| | | | | SAY | 21,800.15 | 4,494.12 | 17,306.03 |
| ST1-048 | MIXING & LAYING USING CONCRETE MIXER(W/BATCHING), CEMENT CONCRETE FOR GRADE 25(19 MM) USING CRUSHER RUN AGGREGATES IN FOUNDATIONS AND FLOORS. (EXCLUDING TRANSPORT OF AGGREGATE & PILING): * | | | | | | |
| | DATA FOR 8.5 CU.M | | | | | | |
| | MASON (SK/A) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (S/SK) | 10.00 | DAYS | B0-003 | 23,000.00 | | |
| | LABOUR (U/SK) | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 955.00 | | |
| | CEMENT | 54.00 | 50 KG | B0-401 | 99,576.00 | | |
| | AGGREGATE 19 MM (LESS PILING) | 7.64 | CU.M | B0-308A | 25,408.69 | | |
| | SAND | 5.09 | CU.M | B0-332 | 20,351.39 | | |
| | ALLOW FOR WATER | 8.50 | ITEM | B0-781 | 467.50 | | |
| | BASKET | 2.00 | NOS. | B0-631 | 600.00 | | |
| | HIRE OF CONC. MIXER W/B(400LTRS.) | 1.00 | DAY | B0-136 | 13,132.37 | | |
| | HIRE OF PORKER VIBRATOR | 1.00 | DAY | B0-106 | 2,223.09 | | |
| | | | | | 200,914.04 | | |
| | COST PER 8.5 CU.M | | | | 200,914.04 | | |
| | RATE PER 1 CU.M | | | ST1-048 | 23,636.95 | | |
| | | | | SAY | 23,636.95 | 4,494.12 | 19,142.83 |
| | * SEE GENERAL NOTES: SECTION 33.7 | | | | | | |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|----------|--|----------|-------|------------|-----------------|-----------------|-----------------|
| ST1-048A | MIXING & LAYING USING CONCRETE MIXER(W/BATCHING), CEMENT CONCRETE FOR GRADE 25(70% 37.5+30%19) USING CRUSHER RUN AGGREGATES. (EXCLUDING TRANSPORT OF AGGREGATE & PILING): * | | | | | | |
| | DATA FOR | 8.50 | CU.M | | | | |
| | MASON (SK/A) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (S/SK) | 10.00 | DAYS | B0-003 | 23,000.00 | | |
| | LABOUR (U/SK) | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 955.00 | | |
| | CEMENT | 49.81 | 50 KG | B0-401 | 91,849.64 | | |
| | AGGREGATE 37.5 MM (LESS PILING) | 4.59 | CU.M | B0-310 | 12,019.35 | | |
| | AGGREGATE 19 MM (LESS PILING) | 2.04 | CU.M | B0-308A | 6,783.63 | | |
| | SAND | 5.09 | CU.M | B0-332 | 20,351.39 | | |
| | ALLOW FOR WATER | 8.50 | ITEM | B0-781 | 467.50 | | |
| | BASKET | 2.00 | NOS. | B0-631 | 600.00 | | |
| | HIRE OF CONC. MIXER W/B(400LTRS.) | 1.00 | DAY | B0-136 | 13,132.37 | | |
| | HIRE OF PORKER VIBRATOR | 1.00 | DAY | B0-106 | 2,223.09 | | |
| | | | | | 186,581.97 | | |
| | COST PER 8.5 CU.M | | | | 186,581.97 | | |
| | RATE PER 1 CU.M | | | ST1-048A | 21,950.82 | | |
| | | | | SAY | 21,950.80 | 4,494.12 | 17,456.68 |
| | * SEE GENERAL NOTES: SECTION 33.7 | | | | | | |
| ST1-049 | MIXING & LAYING USING CONCRETE MIXER(W/BATCHING) CEMENT CONCRETE GRADE 30(19 MM), WITH CRUSHER RUN AGGREGATE. (EXCLUDING TRANSPORT OF AGGREGATE & PILING): * | | | | | | |
| | DATA FOR 8.5 CU.M | | | | | | |
| | MASON (SK/A) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (S/SK) | 10.00 | DAYS | B0-003 | 23,000.00 | | |
| | LABOUR (U/SK) | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 955.00 | | |
| | CEMENT | 69.00 | 50 KG | B0-401 | 127,236.00 | | |
| | AGGREGATE 19 MM (LESS PILING) | 7.70 | CU.M | B0-308A | 25,596.90 | | |
| | SAND | 5.09 | CU.M | B0-332 | 20,351.39 | | |
| | ALLOW FOR WATER | 8.50 | ITEM | B0-781 | 467.50 | | |
| | BASKET | 2.00 | NO. | B0-631 | 600.00 | | |
| | HIRE OF CONC. MIXER W/B(400LTRS.) | 1.00 | DAY | B0-136 | 13,132.37 | | |
| | HIRE OF PORKER VIBRATOR | 1.00 | DAY | B0-106 | 2,223.09 | | |
| | | | | | 228,762.25 | | |
| | COST PER 8.5 CU.M | | | | 228,762.25 | | |
| | RATE PER 1 CU.M | | | ST1-049 | 26,913.21 | | |
| | | | | SAY | 26,913.20 | 4,494.12 | 22,419.08 |
| | * SEE GENERAL NOTES: SECTION 33.7 | | | | | | |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|-------|------------|--------------|--------------|--------------|
| ST1-050 | MIXING & LAYING USING CONCRETE MIXER(W/BATCHING), CEMENT CONCRETE GRADE 40(19 MM), WITH CRUSHER RUN AGGREGATE. (EXCLUDING TRANSPORT OF AGGREGATE AND PILING)* | | | | | | |
| | DATA FOR 8.5 CU.M | | | | | | |
| | MASON (SK/A) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (S/SK) | 10.00 | DAYS | B0-003 | 23,000.00 | | |
| | LABOUR (U/SK) | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 955.00 | | |
| | CEMENT | 83.90 | 50 KG | B0-401 | 154,702.38 | | |
| | AGGREGATE 19 MM (LESS PILING) | 7.74 | CU.M | B0-308A | 25,721.27 | | |
| | SAND | 5.10 | CU.M | B0-332 | 20,375.36 | | |
| | ALLOW FOR WATER | 8.50 | ITEM | B0-781 | 467.50 | | |
| | BASKET | 2.00 | NO. | B0-631 | 600.00 | | |
| | HIRE OF CONC. MIXER W/B(400LTRS.) | 1.00 | DAY | B0-136 | 13,132.37 | | |
| | HIRE OF PORKER VIBRATOR | 1.00 | DAY | B0-106 | 2,223.09 | | |
| | | | | | 256,376.97 | | |
| | COST PER 8.5 CU.M | | | | 256,376.97 | | |
| | RATE PER 1 CU.M | | | ST1-050 | 30,162.00 | | |
| | | | | SAY | 30,162.00 | 4,494.12 | 25,667.88 |
| | * SEE GENERAL NOTES: SECTION 33.7 | | | | | | |
| ST1-051 | MIXING & LAYING CEMENT CONCRETE BY HAND : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | MASON (SK/A) | 0.75 | DAY | B0-001 | 2,325.00 | | |
| | LABOUR (S/SK) | 6.00 | DAYS | B0-003 | 13,800.00 | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 459.38 | | |
| | ALLOW FOR WATER | 2.83 | ITEM | B0-782 | 155.65 | | |
| | BASKET (2/3) | 0.67 | NOS. | B0-631 | 200.00 | | |
| | | | | | 19,190.03 | | |
| | COST PER 2.83 CU.M | | | | 19,190.03 | | |
| | RATE PER 1 CU.M | | | ST1-051 | 6,780.93 | | |
| | | | | SAY | 6,780.95 | 6,492.93 | 288.02 |
| ST1-052 | MIXING & LAYING CEMENT CONCRETE BY POWER DRIVEN CONCRETE MIXER V/BATCHING: | | | | | | |
| | DATA FOR 8.5 CU.M | | | | | | |
| | MASON (SK/A) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (S/SK) | 10.00 | DAYS | B0-003 | 23,000.00 | | |
| | LABOUR (U/SK) | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 955.00 | | |
| | ALLOW FOR WATER | 8.50 | ITEM | B0-781 | 467.50 | | |
| | BASKET | 2.00 | NOS. | B0-631 | 600.00 | | |
| | HIRE OF CONC. MIXER (400 LTRS.) | 1.00 | DAY | B0-102 | 8,583.62 | | |
| | | | | | 48,806.12 | | |
| | COST PER 8.5 CU.M | | | | 48,806.12 | | |
| | RATE PER 1 CU.M | | | ST1-052 | 5,741.90 | | |
| | | | | SAY | 5,741.90 | 4,494.12 | 1,247.78 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| ST1-053 | CURING OF CONCRETE DECKS, SLABS, BEAMS, WALLS ETC. [SSCM 1011.11]: | | | | | | |
| | DATA FOR 37.16 SQ.M, FOR 14 DAYS | | | | | | |
| | SAW DUST | 1.42 | CU.M | B0-648 | 180.48 | | |
| | SAW DUST SPREAD AS PER EW1-002 | 1.42 | CU.M | EW1-002 | 402.36 | | |
| | LABOUR (U/SK) (WATERING) | 2.50 | DAYS | B0-004 | 5,625.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 140.63 | | |
| | TRACTOR & TRAILOR | 1.66 | DAYS | B0-117 | 17,736.93 | | |
| | BASKETS | 0.17 | NO. | B0-631 | 51.00 | | |
| | ALLOW FOR ROPE | 1.00 | ITEM | B0-715 | 550.00 | | |
| | | | | | 24,686.40 | | |
| | COST PER 37.16 SQ.M PER 14 days | | | | 24,686.40 | | |
| | RATE PER 1 SQ.M PER DAY | | | ST1-053 | 47.45 | | |
| | | | | SAY | 47.45 | 11.49 | 35.96 |
| ST1-054 | FABRICATE & LAY M.S. BARS AS REINFORCEMENT(INCL. TRANSPORT): | | | | | | |
| | DATA FOR 50 KG - (INCLUDING FOR WASTE : | 15.00 | %) | | | | |
| | MILD STEEL | 57.50 | KG | B0-411 | 16,581.56 | | |
| | BARBENDER (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (S/SK) | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 135.00 | | |
| | ALLOW 10% ON LABOUR FOR SPACER BLOCKS | | | | 540.00 | | |
| | BINDING WIRE | 0.45 | KG | B0-431 | 172.59 | | |
| | | | | | 22,829.15 | | |
| | COST PER 50 KG | | | | 22,829.15 | | |
| | RATE PER 1 KG | | | ST1-054 | 456.58 | | |
| | | | | SAY | 456.60 | 108.00 | 348.60 |
| ST1-055 | FABRICATE & LAY TOR STEEL AS REINFORCEMENT(INCL. TRANSPORT): | | | | | | |
| | DATA FOR 50 KG - (INCLUDING FOR WASTE : | 15.00 | %) | | | | |
| | TOR STEEL | 57.50 | KG | B0-411A | 17,094.75 | | |
| | BARBENDER (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (S/SK) | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 135.00 | | |
| | ALLOW 10% ON LABOUR FOR SPACER BLOCKS | | | | 540.00 | | |
| | BINDING WIRE | 0.45 | KG | B0-431 | 170.87 | | |
| | | | | | 23,340.62 | | |
| | COST PER 50 KG | | | | 23,340.62 | | |
| | RATE PER 1 KG | | | ST1-055 | 466.81 | | |
| | | | | SAY | 466.80 | 108.00 | 358.80 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|----------|--|----------|-----------|------------|--------------|--------------|--------------|
| ST1-056 | CUTTING & LAYING REINFORCEMENT FABRIC (EXCLUDING COST OF REINFORCEMENT FABRIC) : | | | | | | |
| | DATA FOR 18.5 SQ.M | | | | | | |
| | BLACKSMITH (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (S/SK) | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 135.00 | | |
| | BINDING WIRE | 0.11 | KG | B0-431 | 43.15 | | |
| | | | | | 5,578.15 | | |
| | COST PER 18.5 SQ.M | | | | 5,578.15 | | |
| | RATE PER 1 SQ.M | | | ST1-056 | 301.52 | | |
| | | | | SAY | 301.50 | 291.89 | 9.61 |
| ST1-057 | SUPPLYING & FIXING 25 MM THICK PLANKS OF CLASS II TIMBER AS SHUTTERING, INCLUDING REMOVING [SSCM 1008.3 (b)]: | | | | | | |
| | DATA FOR 9.30 SQ.M(INCLUDING 10% WASTE & FOR 3 USES) | | | | | | |
| | TIMBER PLANK (CLASS II) | 85.25 | CU.DECI.M | B0-392 | 9,778.18 | | |
| | CARPENTER (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 133.75 | | |
| | MOULD OIL | 1.14 | LTR | B0-602 | 181.26 | | |
| | NAILS | 0.45 | KG | B0-432 | 172.71 | | |
| | | | | | 15,615.90 | | |
| | COST PER 9.30 SQ.M | | | | 15,615.90 | | |
| | RATE PER 1 SQ.M | | | ST1-057 | 1,679.13 | | |
| | | | | SAY | 1,679.15 | 575.27 | 1,103.88 |
| ST1-057A | SUPPLYING & FIXING 25 MM THICK PLANKS OF CLASS II TIMBER AS SHUTTERING FOR CONCRETE ROADS AND CURB FOR INTERLOCKING BLOCK PAVING ROADS INCLUDING REMOVING [SSCM 1008.3 (b)]: | | | | | | |
| | DATA FOR 9.30 SQ.M(INCLUDING 10% WASTE & FOR 5 USES) | | | | | | |
| | TIMBER PLANK (CLASS II) | 51.15 | CU.DECI.M | B0-392 | 5,866.91 | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 56.25 | | |
| | MOULD OIL | 1.14 | LTR | B0-602 | 181.26 | | |
| | NAILS | 0.25 | KG | B0-432 | 95.95 | | |
| | | | | | 8,450.37 | | |
| | COST PER 9.30 SQ.M | | | | 8,450.37 | | |
| | RATE PER 1 SQ.M | | | ST1-057 | 908.64 | | |
| | | | | SAY | 908.65 | 241.94 | 666.71 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|-----------|------------|--------------|--------------|--------------|
| ST1-058 | SUPPLYING & FIXING CLASS II TIMBER BEARERS, JOISTS, ETC. INCLUDING DISMANTLING IN SHUTTERING . [SSCM 1008.3(a)]: | | | | | | |
| | DATA FOR 283 CU.DECI M (INCLUDING 10% WASTE & FOR 5 USES) | | | | | | |
| | ----- | | | | | | |
| | CARPENTER (SK/A) | 3.00 | DAYS | B0-001 | 9,300.00 | | |
| | LABOUR (U/SK) | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 401.25 | | |
| | TIMBER (CLASS II) BEARERS & JOISTS | 62.26 | CU.DECI.M | B0-392 | 7,141.22 | | |
| | | | | | ----- | | |
| | | | | | 23,592.47 | | |
| | | | | | ----- | | |
| | COST PER 283 CU.DECI M | | | | 23,592.47 | | |
| | | | | | ----- | | |
| | RATE PER 1 CU.DECI M | | | ST1-058 | 83.37 | | |
| | | | | | ===== | | |
| | | | | SAY | 83.35 | 56.71 | 26.64 |
| ST1-059 | 100 - 150 MM DIA. ROUND JUNGLE TIMBER SUPPLIED & FIXED AS PROPS.: | | | | | | |
| | DATA FOR 12.2 M (INCL. 10% WASTE & FOR 5 USES) | | | | | | |
| | ----- | | | | | | |
| | ROUND JUNGLE TIMBER | 2.68 | M | B0-393 | 343.55 | | |
| | CARPENTER (SK/A) | 0.25 | DAY | B0-001 | 775.00 | | |
| | LABOUR (U/SK) | 0.25 | DAY | B0-004 | 562.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 33.44 | | |
| | | | | | ----- | | |
| | | | | | 1,714.49 | | |
| | | | | | ----- | | |
| | COST PER 12.2 METRES | | | | 1,714.49 | | |
| | | | | | ----- | | |
| | RATE PER 1 METRE | | | ST1-059 | 140.53 | | |
| | | | | | ===== | | |
| | | | | SAY | 140.55 | 109.63 | 30.92 |
| ST1-060 | 150 - 200 MM DIA. ROUND JUNGLE TIMBER SUPPLIED & FIXED AS PROPS.: | | | | | | |
| | DATA FOR 12.2 M(INCL. 10% WASTE FOR 5 USES) | | | | | | |
| | ----- | | | | | | |
| | ROUND JUNGLE TIMBER | 2.68 | M | B0-394 | 335.50 | | |
| | CARPENTER (SK/A) | 0.25 | DAY | B0-001 | 775.00 | | |
| | LABOUR (U/SK) | 0.25 | DAY | B0-004 | 562.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 33.44 | | |
| | | | | | ----- | | |
| | | | | | 1,706.44 | | |
| | | | | | ----- | | |
| | COST PER 12.2 METRES | | | | 1,706.44 | | |
| | | | | | ----- | | |
| | RATE PER 1 METRE | | | ST1-060 | 139.87 | | |
| | | | | | ===== | | |
| | | | | SAY | 139.85 | 109.63 | 30.22 |

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HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|-----------|------------|--------------|--------------|--------------|
| ST1-061 | FORMWORK SMOOTH FINISH WITH CLASS II TIMBER FOR BRIDGE BEAMS, BRIDGE DECK UNDER SIDES AND SIDES INCLUDING DISMANTLING. [SSCM 1008.3(B)]: CONSIDER A BEAM SECTION 300X450 MM AND 6100 MM LONG. DATA FOR 7.32 SQ.M (INCLUDING 10% WASTE & FOR 3 USES) | | | | | | |
| | CARPENTER (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (SK/B) | 1.50 | DAY | B0-002 | 4,200.00 | | |
| | LABOUR (U/SK) | 2.50 | DAY | B0-003 | 5,750.00 | | |
| | SMALL TOOLS 2.5% OF LABOUR | | | | 326.25 | | |
| | CLASS II TIMBER PLANK 25 MM THICK | 67.10 | CU.DECI M | B0-392 | 7,696.37 | | |
| | CLASS II TIMBER BEARERS & JOISTS | 52.36 | CU.DECI M | B0-392 | 6,005.12 | | |
| | ROUND JUNGLE TIMBER | 7.11 | M | B0-393 | 910.34 | | |
| | WIRE NAIL (50 & 75 MM) | 3.18 | LBS | B0-432 | 1,218.64 | | |
| | MOULD OIL | 3.64 | LTR | B0-602 | 578.26 | | |
| | | | | | 29,784.98 | | |
| | COST PER 7.32 SQ.M | | | | 29,784.98 | | |
| | RATE PER 1 SQ.M | | | ST1-061 | 4,068.99 | | |
| | | | | SAY | 4,069.00 | 1,782.79 | 2,286.21 |
| ST1-062 | FORMWORK SMOOTH FINISH WITH CLASS II TIMBER, FOR BRIDGE COLUMN SHAFTS INCLUDING DISMANTLING. [SSCM 1008.3(b)]: CONSIDER A COLUMN SECTION 225X225 MM AND 1200 MM HIGH DATA FOR 1.08 SQ.M (INCLUDING 10% WASTE & FOR 3 USES) | | | | | | |
| | CARPENTER (SK/A) (1 HOUR) | 0.13 | DAY | B0-001 | 387.50 | | |
| | LABOUR (SK/B) (2 HOURS) | 0.25 | DAY | B0-002 | 700.00 | | |
| | LABOUR (U/SK) (3 HOURS) | 0.38 | DAY | B0-003 | 862.50 | | |
| | SMALL TOOLS 2.5% OF LABOUR | | | | 48.75 | | |
| | CLASS II TIMBER PLANK 25 MM THICK | 9.90 | CU.DECI M | B0-392 | 1,135.53 | | |
| | CLASS II TIMBER JOISTS | 3.08 | CU.DECI M | B0-392 | 353.28 | | |
| | WIRE NAIL | 0.45 | KG | B0-432 | 172.71 | | |
| | MOULD OIL | 1.44 | LTR | B0-602 | 228.96 | | |
| | 9 MM DIA, M.S.BOLTS 450 MM LONG | 0.45 | KG | B0-432 | 174.09 | | |
| | | | | | 4,063.32 | | |
| | COST PER 1.08 SQ.M | | | | 4,063.32 | | |
| | RATE PER 1 SQ.M | | | ST1-062 | 3,762.33 | | |
| | | | | SAY | 3,762.35 | 1,805.56 | 1,956.79 |
| ST1-063 | FORMWORK SMOOTH FINISH, USING PLYWOOD (SHUTTER 15 MM) AND CLASS II TIMBER BEARERS,JOISTS AND JUNGLE TIMBER PROPS FOR BRIDGE ABUTMENTS, WINGWALLS ETC.: CONSIDER 2 NO PANNELS OF 1 M X 1 M DATA FOR 2 SQ.M (INCLUDING 10% WASTE & FOR 5 USES) | | | | | | |
| | CARPRNTER (SK/A) - 2 HOURS | 0.25 | DAY | B0-001 | 775.00 | | |
| | LABOUR (SK/B) - 4 HOURS | 0.50 | DAY | B0-002 | 1,400.00 | | |
| | LABOUR (U/SK) - 6 HOURS | 0.75 | DAY | B0-004 | 1,687.50 | | |
| | ALLOW 2.5% OF LABOUR FOR TOOLS | | | | 96.56 | | |
| | PLYWOOD 15 MM THICK | 0.44 | SQ.M | B0-396 | 845.86 | | |
| | CLASS II TIMBER BEARERS & JOISTS ETC (.050 X .100 X 8M) + (.050 X.050 X 4M) | 11.00 | CU.DECI M | B0-392 | 1,261.70 | | |
| | WIRE NAILS | 0.12 | KG | B0-432 | 46.06 | | |
| | MOULD OIL | 0.24 | LTR | B0-602 | 38.16 | | |
| | FIXING BOLTS (10 USES) | 0.10 | KG | B0-432 | 38.38 | | |
| | JUNGLE TIMBER PROPS, 100 - 150 MM DIA :2 X (3+2+1)M | 12.00 | M | ST1-059 | 1,686.38 | | |
| | | | | | 7,875.60 | | |
| | COST PER 2 SQ.M | | | | 7,875.60 | | |
| | RATE PER 1 SQ.M | | | ST1-063 | 3,937.80 | | |
| | | | | SAY | 3,937.80 | 2,589.04 | 1,348.76 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|-----------|------------|--------------|--------------|--------------|
| ST1-064 | SUPPLYING & FIXING 25 MM THICK PLANKS AND STRUTS OF CLASS II TIMBER AS FORMWORK ROUGH FINISH, IN FOUNDATION ETC. INCLUDING REMOVING. [SSCM 1008.3(b)]: | | | | | | |
| | DATA FOR 5.57 SQ.M (INCLUDING 10% WASTE & FOR 5 USES) | | | | | | |
| | CARPENTER (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 133.75 | | |
| | TIMBER(CLASS II) 25 MM PLANKS & STRUTS | 39.62 | CU.DECI M | B0-392 | 4,544.41 | | |
| | NAILS | 0.23 | KG | B0-432 | 87.05 | | |
| | MOULD OIL | 0.90 | LTR | B0-602 | 143.10 | | |
| | | | | | 10,258.31 | | |
| | COST PER 5.57 SQ.M | | | | 10,258.31 | | |
| | RATE PER 1 SQ.M | | | ST1--064 | 1,841.71 | | |
| | | | | SAY | 1,841.70 | 960.50 | 881.20 |
| ST1-065 | FORMWORK SMOOTH FINISH FOR GENERAL PURPOSES, USING 25 MM THICK PLANKS & STRUTS OF CLASS II TIMBER AND ROUND JUNGLE TIMBER PROPS 100-150 MM DIA., INCLUDING DISMANTLING : | | | | | | |
| | DATA FOR 5.57 SQ.M (INCL. 10% WASTE & FOR 4 USES) | | | | | | |
| | TIMBER CLASS II, 25 MM PLANKS & STRUTS | 49.53 | CU.DECI M | B0-392 | 5,680.52 | | |
| | ROUND JUNGLE TIMBER PROPS 100-150 MM DIA. | 12.20 | M | ST1-059 | 1,714.49 | | |
| | NAILS | 0.27 | KG | B0-432 | 104.46 | | |
| | MOULD OIL | 0.90 | LTR | B0-602 | 143.10 | | |
| | CARPENTER (SK/A) - (PLANNING & FIXING) | 1.25 | DAY | B0-001 | 3,875.00 | | |
| | LABOUR (S/SK) | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | 154.38 | | |
| | | | | | 13,971.94 | | |
| | COST PER 5.57 SQ.M | | | | 13,971.94 | | |
| | RATE PER 1 SQ.M | | | ST1-065 | 2,508.43 | | |
| | | | | SAY | 2,508.45 | 1,348.74 | 1,159.71 |

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HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|--------|------------|--------------|--------------|--------------|
| ST1-066 | LAYING & JOINTING 153 MM DIA. CONCRETE PIPES (TRANSPORT AND BEDDING MATERIAL PAID SEPARATELY) [SSCM 707.3(C)-707.4]: | | | | | | |
| | DATA FOR 7.32 M (UP TO 1.8 M DEPTH) | | | | | | |
| | MASON (SK/A) | 0.67 | DAY | B0-001 | 2,066.67 | | |
| | LABOUR (S/SK) | 0.67 | DAY | B0-003 | 1,533.33 | | |
| | LABOUR (U/SK) | 1.33 | DAY | B0-004 | 3,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 165.00 | | |
| | CONCRETE PIPES (2438 MM LONG) | 3.00 | NOS. | B0-441 | 23,400.00 | | |
| | CONCRETE PIPE COLLARS | 2.00 | NOS. | B0-441B | 2,400.00 | | |
| | ALLOW FOR CEMENT,SAND AND WATER | 2.00 | JOINTS | B0-711 | 220.00 | | |
| | | | | | 32,785.00 | | |
| | COST PER 7.32 M LENGTH | | | | 32,785.00 | | |
| | RATE PER 1 M | | | ST1-066 | 4,478.83 | | |
| | | | | SAY | 4,478.85 | 901.64 | 3,577.21 |
| ST1-067 | LAYING & JOINTING 229 MM DIA. CONCRETE PIPES (TRANSPORT AND BEDDING MATERIAL PAID SEPARATELY) [SSCM 707.3(C)-707.4]: | | | | | | |
| | DATA FOR 7.32 M (UP TO 1.8 M DEPTH) | | | | | | |
| | MASON (SK/A) | 0.75 | DAY | B0-001 | 2,325.00 | | |
| | LABOUR (S/SK) | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | LABOUR (U/SK) | 1.50 | DAYS | B0-004 | 3,375.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 171.25 | | |
| | CONCRETE PIPES(2438 MM LONG) | 3.00 | NOS. | B0-442 | 28,500.00 | | |
| | CONCRETE PIPE COLLARS | 2.00 | NOS. | B0-442B | 2,800.00 | | |
| | ALLOW FOR CEMENT,SAND AND WATER | 2.00 | JOINTS | B0-712 | 440.00 | | |
| | | | | | 38,761.25 | | |
| | COST PER 7.32 M LENGTH | | | | 38,761.25 | | |
| | RATE PER 1 M | | | ST1-067 | 5,295.25 | | |
| | | | | SAY | 5,295.25 | 935.79 | 4,359.46 |
| ST1-068 | LAYING & JOINTING 305 MM DIA. CONCRETE PIPES (TRANSPORT AND BEDDING MATERIAL PAID SEPARATELY) [SSCM 707.3(C)-707.4]: | | | | | | |
| | DATA FOR 7.32 M (UP TO 1.8 M DEPTH) | | | | | | |
| | MASON (SK/A) | 0.75 | DAY | B0-001 | 2,325.00 | | |
| | LABOUR (S/SK) | 0.75 | DAY | B0-003 | 1,725.00 | | |
| | LABOUR (U/SK) | 1.50 | DAYS | B0-004 | 3,375.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 185.63 | | |
| | CONCRETE PIPES (2438 MM LONG) | 3.00 | NOS. | B0-443 | 27,000.00 | | |
| | CONCRETE PIPE COLLARS | 2.00 | NOS. | B0-443B | 3,800.00 | | |
| | ALLOW FOR CEMENT,SAND AND WATER | 2.00 | JOINTS | B0-712 | 440.00 | | |
| | | | | | 38,850.63 | | |
| | COST PER 7.32 M LENGTH | | | | 38,850.63 | | |
| | RATE PER 1 M | | | ST1-068 | 5,307.46 | | |
| | | | | SAY | 5,307.45 | 1,014.34 | 4,293.11 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|--------|------------|--------------|--------------|--------------|
| ST1-069 | LAYING & JOINTING 450 MM DIA. CONCRETE PIPES (TRANSPORT AND BEDDING MATERIAL PAID SEPARATELY) [SSCM 707.3(C)-707.4]: | | | | | | |
| | DATA FOR 7.32 M (UP TO 1.8 M DEPTH) | | | | | | |
| | MASON (SK/A) | 0.75 | DAY | B0-001 | 2,325.00 | | |
| | LABOUR (S/SK) | 0.75 | DAY | B0-003 | 1,725.00 | | |
| | LABOUR (U/SK) | 1.50 | DAYS | B0-004 | 3,375.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 185.63 | | |
| | CONCRETE PIPES (2438 MM LONG) | 3.00 | NOS. | B0-444 | 51,750.00 | | |
| | CONCRETE PIPE COLLARS | 2.00 | NOS. | B0-444B | 4,500.00 | | |
| | ALLOW FOR GROUTING COLLARS | 2.00 | JOINTS | B0-712 | 440.00 | | |
| | | | | | 64,300.63 | | |
| | COST PER 7.32 M LENGTH | | | | 64,300.63 | | |
| | RATE PER 1 M | | | ST1-069 | 8,784.24 | | |
| | | | | SAY | 8,784.25 | 1,014.34 | 7,769.91 |
| ST1-070 | LAYING & JOINTING 610 MM DIA. CONCRETE PIPES (TRANSPORT AND BEDDING MATERIAL PAID SEPARATELY) [SSCM 707.3(C)-707.4]: | | | | | | |
| | DATA FOR 7.32 M (UP TO 1.8 M DEPTH) | | | | | | |
| | MASON (SK/A) | 1.50 | DAYS | B0-001 | 4,650.00 | | |
| | LABOUR (S/SK) | 1.50 | DAYS | B0-003 | 3,450.00 | | |
| | LABOUR (U/SK) | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 371.25 | | |
| | CONCRETE PIPES (2438 MM LONG) | 3.00 | NOS. | B0-445 | 84,600.00 | | |
| | CONCRETE PIPE COLLARS | 2.00 | NOS. | B0-445B | 5,800.00 | | |
| | ALLOW FOR GROUTING COLLARS | 2.00 | JOINTS | B0-712 | 440.00 | | |
| | | | | | 106,061.25 | | |
| | COST PER 7.32 M LENGTH | | | | 106,061.25 | | |
| | RATE PER 1 M | | | ST1-070 | 14,489.24 | | |
| | | | | SAY | 14,489.25 | 2,028.69 | 12,460.56 |
| ST1-071 | LAYING & JOINTING 914 MM DIA. CONCRETE PIPES (TRANSPORT AND BEDDING MATERIAL PAID SEPARATELY) [SSCM 707.3(C)-707.4]: | | | | | | |
| | DATA FOR 7.32 M (UP TO 1.8 M DEPTH) | | | | | | |
| | MASON (SK/A) | 1.75 | DAYS | B0-001 | 5,425.00 | | |
| | LABOUR (S/SK) | 1.75 | DAYS | B0-003 | 4,025.00 | | |
| | LABOUR (U/SK) | 6.50 | DAYS | B0-004 | 14,625.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 601.88 | | |
| | CONCRETE PIPES (1220 MM LONG) | 6.00 | NOS. | B0-446 | 126,300.00 | | |
| | CONCRETE PIPE COLLARS | 5.00 | NOS. | B0-446B | 19,000.00 | | |
| | ALLOW FOR GROUTING COLLARS | 5.00 | JOINTS | B0-713 | 2,200.00 | | |
| | | | | | 172,176.88 | | |
| | COST PER 7.32 M LENGTH | | | | 172,176.88 | | |
| | RATE PER 1 M | | | ST1-071 | 23,521.43 | | |
| | | | | SAY | 23,521.45 | 3,288.93 | 20,232.52 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|--------|------------|--------------|--------------|--------------|
| ST1-072 | LAYING & JOINTING 1219 MM DIA. CONCRETE PIPES (TRANSPORT AND BEDDING MATERIAL PAID SEPARATELY) [SSCM 707.3(C)-707.4]: | | | | | | |
| | DATA FOR 7.32 M (UP TO 1.8 M DEPTH) | | | | | | |
| | MASON (SK/A) | 2.50 | DAYS | B0-001 | 7,750.00 | | |
| | LABOUR (S/SK) | 2.50 | DAYS | B0-003 | 5,750.00 | | |
| | LABOUR (U/SK) | 9.00 | DAYS | B0-004 | 20,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 843.75 | | |
| | CONC. PIPES (1219 MM LONG) | 6.00 | NOS. | B0-447 | 199,800.00 | | |
| | CONC. PIPE COLLERS | 5.00 | NOS. | B0-447B | 22,500.00 | | |
| | ALLOW FOR GROUTING COLLARS | 5.00 | JOINTS | B0-714 | 3,850.00 | | |
| | | | | | 260,743.75 | | |
| | COST PER 7.32 M LENGTH | | | | 260,743.75 | | |
| | RATE PER 1 M | | | ST1-072 | 35,620.73 | | |
| | | | | SAY | 35,620.75 | 4,610.66 | 31,010.09 |
| ST1-073 | LAYING & JOINTING 153 MM DIA. AVAILABLE CONCRETE PIPES AND COLLARS: | | | | | | |
| | DATA FOR 7.32 M (UP TO 1.8 M DEPTH) | | | | | | |
| | MASONS (SK/A) | 0.67 | DAY | B0-001 | 2,066.67 | | |
| | LABOUR (S/SK) | 0.67 | DAY | B0-003 | 1,533.33 | | |
| | LABOUR (U/SK) | 1.33 | DAY | B0-004 | 3,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 165.00 | | |
| | ALLOW FOR CEMENT, SAND AND WATER | 2.00 | JOINTS | B0-711 | 220.00 | | |
| | | | | | 6,985.00 | | |
| | COST PER 7.32 M LENGTH | | | | 6,985.00 | | |
| | RATE PER 1 M | | | ST1-073 | 954.23 | | |
| | | | | SAY | 954.25 | 901.64 | 52.61 |
| ST1-074 | LAYING & JOINTING 229 MM DIA. AVAILABLE CONCRETE PIPES WITH COLLARS : | | | | | | |
| | DATA FOR 7.32 M (UP TO 1.8 M DEPTH) | | | | | | |
| | MASONS (SK/A) | 0.75 | DAY | B0-001 | 2,325.00 | | |
| | LABOUR (S/SK) | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | LABOUR (U/SK) | 1.50 | DAYS | B0-004 | 3,375.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 171.25 | | |
| | ALLOW FOR CEMENT, SAND AND WATER | 2.00 | JOINTS | B0-712 | 440.00 | | |
| | | | | | 7,461.25 | | |
| | COST PER 7.32 M LENGTH | | | | 7,461.25 | | |
| | RATE PER 1 M | | | ST1-074 | 1,019.30 | | |
| | | | | SAY | 1,019.30 | 935.79 | 83.51 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|--------|------------|--------------|--------------|--------------|
| ST1-075 | LAYING & JOINTING 305 - 450 MM DIA. AVAILABLE CONCRETE PIPES AND COLLARS : | | | | | | |
| | DATA FOR 7.32 M (UP TO 1.8 M DEPTH) | | | | | | |
| | MASONS (SK/A) | 0.75 | DAY | B0-001 | 2,325.00 | | |
| | LABOURS (S/SK) | 0.75 | DAY | B0-003 | 1,725.00 | | |
| | LABOUR (U/SK) | 1.50 | DAYS | B0-004 | 3,375.00 | | |
| | ADD 2.5% ON TOOLS | | | | 185.63 | | |
| | ALLOW FOR CEMENTING COLLARS | 2.00 | JOINTS | B0-712 | 440.00 | | |
| | | | | | 8,050.63 | | |
| | COST PER 7.32 M LENGTH | | | | 8,050.63 | | |
| | RATE PER 1 M | | | ST1-075 | 1,099.81 | | |
| | | | | SAY | 1,099.80 | 1,014.34 | 85.46 |
| ST1-076 | LAYING & JOINTING 610 MM DIA. AVAILABLE CONCRETE PIPES AND COLLARS : | | | | | | |
| | DATA FOR 7.32 M (UP TO 1.8 M DEPTH) | | | | | | |
| | MASONS (SK/A) | 1.50 | DAYS | B0-001 | 4,650.00 | | |
| | LABOURS (S/SK) | 1.50 | DAYS | B0-003 | 3,450.00 | | |
| | LABOUR (U/SK) | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | ADD 2.5% ON TOOLS | | | | 371.25 | | |
| | ALLOW FOR CEMENTING COLLARS | 2.00 | JOINTS | B0-712 | 440.00 | | |
| | | | | | 15,661.25 | | |
| | COST PER 7.32 M LENGTH | | | | 15,661.25 | | |
| | RATE PER 1 M | | | ST1-076 | 2,139.52 | | |
| | | | | SAY | 2,139.50 | 2,028.69 | 110.81 |
| ST1-077 | LAYING & JOINTING 914 MM DIA. AVAILABLE CONCRETE PIPES AND COLLARS : | | | | | | |
| | DATA FOR 7.32 M (UP TO 1.8 M DEPTH) | | | | | | |
| | MASONS (SK/A) | 1.75 | DAYS | B0-001 | 5,425.00 | | |
| | LABOURS (S/SK) | 1.75 | DAYS | B0-003 | 4,025.00 | | |
| | LABOUR (U/SK) | 6.50 | DAYS | B0-004 | 14,625.00 | | |
| | ADD 2.5% ON TOOLS | | | | 601.88 | | |
| | ALLOW FOR CEMENTING COLLARS | 5.00 | JOINTS | B0-713 | 2,200.00 | | |
| | | | | | 26,876.88 | | |
| | COST PER 7.32 M LENGTH | | | | 26,876.88 | | |
| | RATE PER 1 M | | | ST1-077 | 3,671.70 | | |
| | | | | SAY | 3,671.70 | 3,288.93 | 382.77 |

HSR - 2024
Engineering Division
Ministry of Transport and Highways

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|-----------|------------|--------------|--------------|--------------|
| ST1-078 | LAYING & JOINTING 1219 MM DIA. AVAILABLE CONCRETE PIPES AND COLLARS : | | | | | | |
| | DATA FOR 7.32 M (UP TO 1.8 M DEPTH) | | | | | | |
| | MASONS (SK/A) | 2.50 | DAYS | B0-001 | 7,750.00 | | |
| | LABOUR (S/SK) | 2.50 | DAYS | B0-003 | 5,750.00 | | |
| | LABOUR (U/SK) | 9.00 | DAYS | B0-004 | 20,250.00 | | |
| | ADD 2.5% ON TOOLS | | | | 843.75 | | |
| | ALLOW FOR CEMENTING COLLARS | 5.00 | JOINTS | B0-714 | 3,850.00 | | |
| | | | | | 38,443.75 | | |
| | COST PER 7.32 M LENGTH | | | | 38,443.75 | | |
| | RATE PER 1 M | | | ST1-078 | 5,251.88 | | |
| | | | | SAY | 5,251.90 | 4,610.66 | 641.24 |
| ST1-079 | FIXING NEW BRIDGE PLANKS RUNNERS AND STACKING OLD PLANKS (AVAILABLE)[SSCM 1402.2(a)]: | | | | | | |
| | DATA FOR 12 NOS.(SIZE 3.66M X .15M X .1M) | | | | | | |
| | CARPENTER (SK/A) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (U/SK) | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 380.00 | | |
| | | | | | 15,580.00 | | |
| | COST FOR 12 NOS. | | | | 15,580.00 | | |
| | RATE PER 1 NO. | | | ST1-079 | 1,298.33 | | |
| | | | | SAY | 1,298.35 | 1,266.67 | 31.68 |
| ST1-080 | REMOVING & RE-SETTING OLD BRIDGE PLANKS.: | | | | | | |
| | DATA FOR 12 NOS.(SIZE 3.66M X .15M X .1M) | | | | | | |
| | CARPENTER (SK/A) | 1.25 | DAYS | B0-001 | 3,875.00 | | |
| | LABOUR (U/SK) | 2.50 | DAYS | B0-004 | 5,625.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 237.50 | | |
| | | | | | 9,737.50 | | |
| | COST FOR 12 NOS. | | | | 9,737.50 | | |
| | RATE PER 1 NO. | | | ST1-080 | 811.46 | | |
| | | | | SAY | 811.45 | 791.67 | 19.78 |
| ST1-081 | SUPPLYING & FIXING NEW BRIDGE PLANKS OF CLASS I TIMBER.: | | | | | | |
| | DATA FOR 658.8 CU.DECI M | | | | | | |
| | CARPENTER (SK/A) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (U/SK) | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 380.00 | | |
| | PLANKS (12 X 3.66M X .15M X .1M) | 658.80 | CU.DECI M | B0-391 | 166,478.76 | | |
| | | | | | 182,058.76 | | |
| | COST FOR 658.8 CU.DECI M | | | | 182,058.76 | | |
| | RATE PER 1 CU.DECI M | | | ST1-081 | 276.35 | | |
| | | | | SAY | 276.35 | 23.07 | 253.28 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|-----------|------------|--------------|--------------|--------------|
| ST1-082 | SUPPLYING & FIXING 31 MM THICK DECK PLANKS OF CLASS I TIMBER.: | | | | | | |
| | DATA FOR 4.5 SQ.M | | | | | | |
| | CARPENTER (SK/A) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (U/SK) | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 267.50 | | |
| | TIMBER CLASS I | 139.50 | CU.DECI M | B0-391 | 35,251.65 | | |
| | | | | | 46,219.15 | | |
| | COST FOR 4.5 SQ.M | | | | 46,219.15 | | |
| | RATE PER 1 SQ.M | | | ST1-082 | 10,270.92 | | |
| | | | | SAY | 10,270.90 | 2,377.78 | 7,893.12 |
| ST1-083 | FIXING NEW CHEQUERED OR M.S. PLATES ON TIMBER - DECKED BRIDGE.[SSCM 1402.2(d)]: | | | | | | |
| | DATA FOR 12.2 M | | | | | | |
| | CARPENTER (SK/A) | 3.00 | DAYS | B0-001 | 9,300.00 | | |
| | LABOUR (U/SK) | 6.00 | DAYS | B0-004 | 13,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 570.00 | | |
| | | | | | 23,370.00 | | |
| | COST FOR 12.2 METRES | | | | 23,370.00 | | |
| | RATE PER 1 METRE | | | ST1-083 | 1,915.57 | | |
| | | | | SAY | 1,915.55 | 1,868.85 | 46.70 |
| ST1-084 | REMOVING & REFIXING CHEQUERED M.S. PLATES ON TIMBER - DECKED BRIDGE.: | | | | | | |
| | DATA FOR 12.2 M | | | | | | |
| | CARPENTER (SK/A) | 4.00 | DAYS | B0-001 | 12,400.00 | | |
| | LABOUR (U/SK) | 8.00 | DAYS | B0-004 | 18,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 760.00 | | |
| | | | | | 31,160.00 | | |
| | COST FOR 12.2 METRES | | | | 31,160.00 | | |
| | RATE PER 1 METRE | | | ST1-084 | 2,554.10 | | |
| | | | | SAY | 2,554.10 | 2,491.80 | 62.30 |
| ST1-085 | TIGHTENING BOLTS & NUTS OF CHEQUERED OR M.S. PLATES.: | | | | | | |
| | DATA FOR 12.2 M | | | | | | |
| | CARPENTER (SK/A) | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 113.75 | | |
| | | | | | 4,663.75 | | |
| | COST FOR 12.2 METRES | | | | 4,663.75 | | |
| | RATE PER 1 METRE | | | ST1-085 | 382.27 | | |
| | | | | SAY | 382.25 | 372.95 | 9.30 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|--------------|--------------|--------------|
| ST1-086 | REMOVING & REFIXING 'U' CLIPS.[SSCM 1402.2(b)]: | | | | | | |
| | DATA FOR 10 NOS. | | | | | | |
| | CARPENTER (SK/A) | 0.50 | DAY | B0-001 | 1,550.00 | | |
| | LABOUR (U/SK) | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 66.88 | | |
| | | | | | 2,741.88 | | |
| | COST FOR 10 NOS. | | | | 2,741.88 | | |
| | RATE PER 1 NO. | | | ST1-086 | 274.19 | | |
| | | | | SAY | 274.20 | 267.50 | 6.70 |
| ST1-087 | CLEANING, WIRE BRUSHING & PAINTING STEELWORK, ONE COAT ENAMEL PAINT.: | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | PAINTER (S/SK) | 0.25 | DAY | B0-003 | 575.00 | | |
| | LABOUR (U/SK) | 0.75 | DAY | B0-004 | 1,687.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 56.56 | | |
| | PAINT | 0.75 | LTR | B0-541 | 1,096.80 | | |
| | | | | | 3,415.86 | | |
| | COST FOR 9.29 SQ.M | | | | 3,415.86 | | |
| | RATE PER 1 SQ.M | | | ST1-087 | 367.69 | | |
| | | | | SAY | 367.70 | 243.54 | 124.16 |
| ST1-088 | CLEANING, WIRE BRUSHING & APPLYING TAR ON STEELWORK, ONE COAT : | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | LABOUR (S/SK) | 0.25 | DAY | B0-003 | 575.00 | | |
| | LABOUR (U/SK) | 0.75 | DAY | B0-004 | 1,687.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 56.56 | | |
| | COAL TAR | 1.13 | LTR | B0-531 | 173.25 | | |
| | | | | | 2,492.31 | | |
| | COST FOR 9.29 SQ.M | | | | 2,492.31 | | |
| | RATE PER 1 SQ.M | | | ST1-088 | 268.28 | | |
| | | | | SAY | 268.30 | 243.54 | 24.76 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| ST1-089 | CLEANING, WITH COTTON WASTE AND PAINTING STEEL WORK WITH ENAMEL PAINT, ONE COAT : | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | PAINTER (SK/B) | 0.20 | DAY | B0-002 | 560.00 | | |
| | LABOUR (U/SK) | 0.20 | DAY | B0-004 | 450.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 25.25 | | |
| | COTTON WASTE | 0.06 | KG | B0-633 | 7.56 | | |
| | PAINT | 0.75 | LTR | B0-541 | 1,096.80 | | |
| | | | | | 2,139.61 | | |
| | | | | | ----- | | |
| | COST FOR 9.29 SQ.M | | | | 2,139.61 | | |
| | RATE PER 1 SQ.M | | | ST1-089 | 230.31 | | |
| | | | | | ===== | | |
| | | | | SAY | 230.30 | 108.72 | 121.58 |
| ST1-090 | CHIPPING TO BARE METAL ETC. & PAINTING WITH ANTICORROSIVE PAINT, ONE COAT : | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | PAINTER (SK/B) | 0.38 | DAY | B0-002 | 1,050.00 | | |
| | LABOUR (S/SK) | 3.00 | DAYS | B0-003 | 6,900.00 | | |
| | LABOUR (U/SK) | 0.75 | DAY | B0-004 | 1,687.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 240.94 | | |
| | PAINT ANTICORROSIVE | 0.75 | LTR | B0-542 | 1,024.91 | | |
| | | | | | 10,903.35 | | |
| | | | | | ----- | | |
| | COST FOR 9.29 SQ.M | | | | 10,903.35 | | |
| | RATE PER 1 SQ.M | | | ST1-090 | 1,173.67 | | |
| | | | | | ===== | | |
| | | | | SAY | 1,173.65 | 1,037.41 | 136.24 |
| ST1-091 | PAINTING WITH ONE COAT OF ENAMEL PAINT AFTER CLEANING, DERUSTING & APPLICATION OF ONE COAT ANTICORROSIVE PAINT.[SSCM 1401.3(c)]: | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | PAINTER (SK/B) | 0.63 | DAY | B0-002 | 1,750.00 | | |
| | LABOUR (S/SK) | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (U/SK) | 0.75 | DAY | B0-004 | 1,687.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 143.44 | | |
| | PAINT ANTICORROSIVE | 0.75 | LTR | B0-542 | 1,024.91 | | |
| | PAINT ENAMAL | 0.75 | LTR | B0-541 | 1,096.80 | | |
| | | | | | 8,002.65 | | |
| | | | | | ----- | | |
| | COST FOR 9.29 SQ.M | | | | 8,002.65 | | |
| | RATE PER 1 SQ.M | | | ST1-091 | 861.43 | | |
| | | | | | ===== | | |
| | | | | SAY | 861.45 | 617.60 | 243.85 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| ST1-092 | PAINTING WITH TWO COATS OF ENAMEL PAINT, AFTER CLEANING, DERUSTING & APPLICATION OF ONE COAT ANTICORROSIVE PAINT : | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | PAINTER (SK/B) (5/8 + 1/5) | 0.83 | DAY | B0-002 | 2,310.00 | | |
| | LABOUR (S/SK) | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 171.50 | | |
| | COTTON WASTE | 0.09 | KG | B0-633 | 12.09 | | |
| | PAINT ANTICORROSIVE | 0.75 | LTR | B0-542 | 1,024.91 | | |
| | PAINT ENAMAL (.75 + .55) | 1.30 | LTR | B0-541 | 1,901.12 | | |
| | | | | | 9,969.62 | | |
| | | | | | ----- | | |
| | COST FOR 9.29 SQ.M | | | | 9,969.62 | | |
| | RATE PER 1 SQ.M | | | ST1-092 | 1,073.16 | | |
| | | | | | ===== | | |
| | | | | SAY | 1,073.15 | 738.43 | 334.72 |
| ST1-093 | OILING STEEL CABLES ON SUSPENSION BRIDGES [SSCM 1405.3] : | | | | | | |
| | LABOUR (S/SK) | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 115.00 | | |
| | LUBRICANT | 6.75 | LTR | B0-611 | 10,263.86 | | |
| | | | | | 14,978.86 | | |
| | | | | | ----- | | |
| | COST FOR 9.29 SQ.M | | | | 14,978.86 | | |
| | RATE PER 1 SQ.M | | | ST1-093 | 1,612.36 | | |
| | | | | | ===== | | |
| | | | | SAY | 1,612.35 | 495.16 | 1,117.19 |
| ST1-094 | CLEANING BOOMS OF STEEL BRIDGES INCLUDING SCAFFOLDING WHERE NECESSARY [SSCM 1401.3] : | | | | | | |
| | DATA FOR 15.25 METRES | | | | | | |
| | LABOUR (S/SK) | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | ADD 2.5% ON TOOLS | | | | 28.75 | | |
| | ALLOW FOR SCAFFOLDING | 1.00 | ITEM | B0-717 | 440.00 | | |
| | | | | | 1,618.75 | | |
| | | | | | ----- | | |
| | COST FOR 15.25 METRES | | | | 1,618.75 | | |
| | RATE PER 1 METRE | | | ST1-094 | 106.15 | | |
| | | | | | ===== | | |
| | | | | SAY | 106.15 | 75.41 | 30.74 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|--------------|--------------|--------------|
| ST1-095 | DEMOLISHING UNREINFORCED CEMENT CONCRETE INCLUDING CLEANING OF DEBRIS IN FOUNDATION AND SUPERSTRUCTURE IN DRY CONDITION EXCLUDING UNDER WATER STRUCTURES [SSCM 202.2] : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (SK/B) - SLEDGING | 1.00 | DAY | B0-002 | 2,800.00 | | |
| | LABOUR (U/SK) | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | LABOUR (U/SK)-COLLECT.& TRANSP.T. | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 295.00 | | |
| | BASKETS | 1.00 | NO. | B0-631 | 300.00 | | |
| | | | | | 12,395.00 | | |
| | COST FOR 2.83 CU.M | | | | 12,395.00 | | |
| | RATE PER 1 CU.M | | | ST1-095 | 4,379.86 | | |
| | | | | SAY | 4,379.85 | 4,169.61 | 210.24 |
| ST1-096 | DEMOLISHING REINFORCED CONCRETE AND DEBRIS CLEARED : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (SK/B) - SLEDGING | 2.00 | DAYS | B0-002 | 5,600.00 | | |
| | LABOUR (U/SK) | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | LABOUR (U/SK)-COLLECT.& TRANSP.T. | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 421.25 | | |
| | BASKETS | 1.00 | NO. | B0-631 | 300.00 | | |
| | | | | | 17,571.25 | | |
| | COST FOR 2.83 CU.M | | | | 17,571.25 | | |
| | RATE PER 1 CU.M | | | ST1-096 | 6,208.92 | | |
| | | | | SAY | 6,208.90 | 5,954.06 | 254.84 |
| ST1-097 | DEMOLISHING REINFORCED CONCRETE IN VERY HEAVY STRUCTURES BUILD UP OF GRADE 30 ABOVE CONCRETE IN WORK SUCH AS BRIDGE BEAMS & DECK SLABS, INCLUDING COLLECTING & REMOVING : | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK)-COLLECT | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | 112.50 | | |
| | AIR COMPRESSOR (250 C.F.M.) | 8.00 | HRS | B0-156 | 55,783.12 | | |
| | HAND HELD CONCRETE BREAKERS | 2.00 | DAYS | B0-157 | 1,358.10 | | |
| | BREAKER OPERATERS (SK/B) | 3.00 | DAYS | B0-002 | 8,400.00 | | |
| | BASKETS | 1.00 | NO. | B0-631 | 300.00 | | |
| | | | | | 70,453.72 | | |
| | COST FOR 2.83 CU.M | | | | 70,453.72 | | |
| | RATE PER 1 CU.M | | | ST1-097 | 24,895.31 | | |
| | | | | SAY | 24,895.30 | 4,558.30 | 20,337.00 |
| | * (SEE APPROVED HIRE CHARGES LIST FOR MACHINERY) | | | | | | |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|----------|---|----------|------|------------|--------------|--------------|--------------|
| ST1-098 | SUPPLYING & FIXING M.S. DOWELS, SPLICED AND DOVE TAILED WITH WEDGE AT ONE END, 16 MM DIA. AND 1 M LONG, BORING HOLES TO 0.3 M DEPTH IN FIXING : | | | | | | |
| | DATA FOR 35 DOWELS | | | | | | |
| | LABOUR (SK/B) - CUTTING | 2.50 | DAYS | B0-002 | 7,000.00 | | |
| | LABOUR (SK/B) - BORING | 5.00 | DAYS | B0-002 | 14,000.00 | | |
| | LABOUR (SK/B) - FIXING | 1.00 | DAY | B0-002 | 2,800.00 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | 595.00 | | |
| | SUPPLY OF 16 MM DIA. M.S. BARS- (1 M LONG, 1.619 KG/M) | 56.67 | KG | B0-411 | 16,340.77 | | |
| | | | | | 40,735.77 | | |
| | COST FOR 35 DOWELS | | | | 40,735.77 | | |
| | RATE PER 1 DOWEL | | | ST1-098 | 1,163.88 | | |
| | | | | SAY | 1,163.90 | 680.00 | 483.90 |
| ST1-099 | SUPPLYING & FIXING M.S. DOWELS, SPLICED AND DOVE TAILED WITH WEDGE AT ONE END, 20 MM DIA. AND 1 M LONG, BORING HOLES TO 0.3 M DEPTH IN FIXING : | | | | | | |
| | DATA FOR 35 DOWELS | | | | | | |
| | LABOUR (SK/B) - CUTTING | 2.50 | DAYS | B0-002 | 7,000.00 | | |
| | LABOUR (SK/B) - BORING | 6.00 | DAYS | B0-002 | 16,800.00 | | |
| | LABOUR (SK/B) - FIXING | 1.00 | DAY | B0-002 | 2,800.00 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | 665.00 | | |
| | SUPPLY OF 20 MM DIA. M.S. BARS- (1 M LONG, 2.528 KG/M) | 88.48 | KG | B0-411 | 25,515.42 | | |
| | | | | | 52,780.42 | | |
| | COST FOR 35 DOWELS | | | | 52,780.42 | | |
| | RATE PER 1 DOWEL | | | ST1-099 | 1,508.01 | | |
| | | | | SAY | 1,508.00 | 760.00 | 748.00 |
| ST1-099A | SUPPLYING & FIXING OF 400MM LONG , 20MM DIA. STAINLESS STEEL BARS AS DOWELS IN CAPPING BEAM AT FIXED END | | | | | | |
| | FOR 20 NOS | | | | | | |
| | SUPPLYING OF 20MM DIA. STAINLESS STEEL BARS | 8.00 | LM | B0-433 | 15,701.20 | | |
| | LABOUR (SK/B)-CUTTING | 0.38 | DAYS | B0-002 | 1,050.00 | | |
| | LABOUR (S/SK)-FIXING | 0.38 | DAYS | B0-003 | 862.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 47.81 | | |
| | | | | | 17,661.51 | | |
| | COST FOR 20 DOWELS | | | | 17,661.51 | | |
| | RATE PER 1 DOWEL | | | ST1-099A | 883.08 | | |
| | | | | SAY | 883.10 | 95.63 | 787.48 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| ST1-100 | SUPPLYING & FIXING M.S. DOWELS, SPLICED AND DOVE TAILED WITH WEDGE AT ONE END, 25 MM DIA. AND 1 M LONG, BORING HOLES TO 0.3 M DEPTH IN FIXING : | | | | | | |
| | DATA FOR 35 DOWELS | | | | | | |
| | LABOUR (SK/B) - CUTTING | 3.50 | DAYS | B0-002 | 9,800.00 | | |
| | LABOUR (SK/B) - BORING | 7.00 | DAYS | B0-002 | 19,600.00 | | |
| | LABOUR (SK/B) - FIXING | 1.00 | DAY | B0-002 | 2,800.00 | | |
| | ADD 2.5% OF LAB. FOR TOOLS | | | | 805.00 | | |
| | SUPPLY OF 25 MM DIA. M.S. BARS- (1 M LONG 3.950 KG/M) | 138.25 | KG | B0-411 | 39,867.84 | | |
| | | | | | 72,872.84 | | |
| | COST FOR 35 DOWELS | | | | 72,872.84 | | |
| | RATE PER 1 DOWEL | | | ST1-100 | 2,082.08 | | |
| | | | | SAY | 2,082.10 | 920.00 | 1,162.10 |
| ST1-101 | LAY STANDARD TYPE ROAD KERBS(125 MM WIDE X 900 MM LONG), SET ON 19 MM THICK 1:3 CEMENT MORTAR LAYER ON 150 MM X 275 MM WIDE 1:2:4(19) CONCRETE FOUNDATION WITH AVE. 157 MM X 150 MM WIDE BACKING WITH SAME CONCRETE INCLUDING EXCAVATION AND SHUTTERING. (COST OF KERB STONES INCLUDING TRANSPORT AND AGGREGATE* TRANSPORT, TO PAY SEPARATELY) : | | | | | | |
| | DATA PER 23 METRES | | | | | | |
| | EXCAVATION (.15X.275X23) AS PER E1-005 | 0.95 | CU.M | E1-005 | 1,579.86 | | |
| | CONCRETE FOUNDATION & BACKING AS PER ST1-046 | | | | | | |
| | [(.15X.275)+((.144+.169)/2)X.15]X23 | 1.49 | CU.M | ST1-046 | 33,647.93 | | |
| | SHUTTERING (.144+.150X2)X23 AS PER ST1-064 | 10.21 | SQ.M | ST1-064 | 18,807.44 | | |
| | LABOUR SK'B' LAYING OF KERBS | 1.00 | DAY | B0-002 | 2,800.00 | | |
| | LABOUR U/SK | 7.00 | DAYS | B0-004 | 15,750.00 | | |
| | 19 MM MORTAR LAYER (.125X23) AS PER ST1-032 | 2.88 | SQ.M | ST1-032 | 4,069.56 | | |
| | | | | | 76,654.79 | | |
| | COST PER 23 LINEAR METRES | | | | 76,654.79 | | |
| | RATE PER 1 METRE | | | ST1-101 | 3,332.82 | | |
| | | | | SAY | 3,332.80 | 1,627.36 | 1,705.44 |
| | * QUANTITY OF AGGREGATE REQUIRED FOR CONCRETING IN 1 METRE LENGTH IS EQUAL TO : 0.06 CU.M | | | | | | |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| ST1-102 | LAY STANDARD PRECAST BRIDGE KERBS [TYPE DRAWING NO. T/B/106-REV 1 OF RDA] (COST OF PRECAST KERBS INCLUDING TRANSPORT TO BE PAID SEPARATELY) : | | | | | | |
| | DATA FOR 27 LM.(30 KERBS) | | | | | | |
| A. | FIXING: MASON - SK'A' | 1.50 | DAYS | B0-001 | 4,650.00 | | |
| | LABOUR - U/SK (4 NOS. X 1.5 DAYS) | 6.00 | DAYS | B0-004 | 13,500.00 | | |
| | ALLOW 2.5% OF LABOUR FOR TOOLS | | | | 453.75 | | |
| B. | CEMENT FOR JOINTING | 0.50 | BAG | B0-401 | 922.00 | | |
| | | | | | 19,525.75 | | |
| | COST FOR 27 LINEAR METRES | | | | 19,525.75 | | |
| | RATE PER 1 LM | | | ST1-102 | 723.18 | | |
| | | | | SAY | 723.20 | 672.22 | 50.98 |
| ST1-103 | CONSTRUCTING 150X50 MM THICK INSITU LOWER KERB IN GRADE 20(14 MM) CONCRETE FOR BRIDGES: (AGGREGATE TRANSPORT TO BE PAID SEPARATELY) | | | | | | |
| | DATA FOR 45 LM. | | | | | | |
| A. | FORMWORK AS PER ST1-064 | 2.27 | SQ.M | ST1-064 | 4,171.45 | | |
| B. | CONCRETE GRADE 20(14 MM) | | | | | | |
| | CONCRETE GRADE 20(19 MM) | 0.34 | CU.M | ST1-047 | 7,357.55 | | |
| | DEDUCT COST OF 19 MM AGGREGATE (LESS PILING) | 0.30 | CU.M | B0-308A | (1,010.06) | | |
| | ADD COST OF 12.5 MM AGGREGATE -DO- | 0.30 | CU.M | B0-309 | 832.94 | | |
| | ADD 20% OF 12.5 MM AGGR. FOR 14 MM SIZE | | | | 166.59 | | |
| C. | EXTRA LABOUR ALLOWED FOR LEVELLING AND SHAPING CURVED SURFACES: MASON - SK'A' | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR - U/SK | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% OF LABOUR FOR TOOLS | | | | 133.75 | | |
| | | | | | 17,002.22 | | |
| | COST FOR 45 LINEAR METRES | | | | 17,002.22 | | |
| | RATE PER 1 LM. | | | ST1--103 | 377.83 | | |
| | | | | SAY | 377.85 | 200.94 | 176.91 |
| ST1-104 | LAYING 450 X 450 X 50 MM PRECAST CONCRETE SLABS ON FOOT WALKS INCLUDING AVE. 40 MM THICK 1:3 CEMENT MORTAR BEDDING.(COST OF PRECAST SLABS AND TRANSPORT, TO PAY SEPARATELY.) : | | | | | | |
| | DATA FOR 10 SQ.M | | | | | | |
| (A) | MIXING CEMENT SAND MORTAR USING A MIXER FOR MIXING 6 CU.M | | | | | | |
| | SAND FOR MORTAR BEDDING | 7.64 | CU.M | B0-332 | 30,523.09 | | |
| | CEMENT FOR MORTAR BEDDING | 58.77 | BAGS | B0-401 | 108,371.88 | | |
| | WATER FOR MIXING | 6.00 | CU.M | B0-781 | 330.00 | | |
| | CONC. MIXER (400 L) @ 50% EFFICIENCY | 1.00 | DAY | B0-102 | 8,583.62 | | |
| | LABOUR SK'B' | 1.00 | DAY | B0-002 | 2,800.00 | | |
| | LABOUR U/SK | 6.00 | DAYS | B0-004 | 13,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 407.50 | | |
| | COST FOR MIXING 6 CU.M | | | | 164,516.09 | | |
| | COST PER 0.4 CU.M (10 SQ.M X.04 M) | | | ST1-104A | 10,967.74 | | |
| (B) | ALLOW CEMENT FOR GROUTNG JOINTS | 0.25 | BAGS | B0-401 | 461.00 | | |
| | | | | ST1-104B | 461.00 | | |
| (C) | LABOUR FOR LEVELLING BASE, PLACING AND GROUTING LABOUR SK'A' | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR U/SK | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 302.50 | | |
| | COST FOR 10 SQ.M | | | ST1-104C | 12,402.50 | | |
| | TOTAL COST (A+B+C) | | | | 23,831.24 | | |
| | COST PER 10 SQ.METRES | | | | 23,831.24 | | |
| | RATE PER 1 SQ.METRE | | | ST1-104 | 2,383.12 | | |
| | | | | SAY | 2,383.10 | 1,318.67 | 1,064.43 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|--------------------|----------------------|-----------------|-----------------|
| ST1-105 | LAYING 450 X 450 X 50 MM PRECAST CONCRETE SLABS ON FOOT WALKS INCLUDING AVE. 40 MM THICK 1:3 CEMENT MORTAR BEDDING.(COST OF PRECAST SLABS AND TRANSPORT, TO PAY SEPARATELY.) : | | | | | | |
| | DATA FOR 10 SQ.M | | | | | | |
| (A) | SAND FOR SAND BEDDING 40 MM THICK | 0.40 | CU.M | B0-332 ST1-105A | 1,598.07 1,598.07 | | |
| (B) | ALLOW CEMENT FOR GROUTNG JOINTS | 0.25 | BAGS | B0-401 ST1-105B | 461.00 461.00 | | |
| (C) | LABOUR FOR LEVELLING BASE, PLACING AND GROUTING | | | | | | |
| | LABOUR SK'A' | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR U/SK | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 302.50 | | |
| | COST FOR 10 SQ.M | | | ST1-105C | 12,402.50 | | |
| | TOTAL COST (A+B+C) | | | | 14,461.57 | | |
| | COST PER 10 SQ.METRES | | | | 14,461.57 | | |
| | RATE PER 1 SQ.METRE | | | ST1-105 | 1,446.16 | | |
| | | | | SAY | 1,446.15 | 1,210.00 | 236.15 |
| ST1-106 | FIXING PRE CAST HAND RAILING AND UPRIGHTS USING GRADE 25(19) CONCRETE INCLUDING FORM WORK FOR POCKETS. (COST OF THE PRE CAST ITEMS INCLUDING TRANSPORT AND AGGREGATE* TRANSPORT, TO PAY SEPARATELY.)(TYPE DRAWING NO. T/B/102/B] | | | | | | |
| | DATA FOR 13.8 METRES (6 BAYS) | | | | | | |
| | NUMBER OF UPRIGHTS | 16.00 | NOS. | | | | |
| | FORM WORK (.340+.230)X2X.2X16) AS PER ST1-064 | 3.65 | SQ.M | ST1-064 | 6,718.52 | | |
| | G25 CONCRETE FOR FIXING UP RIGHTS | 0.25 | CU.M | ST1-048 | 5,914.91 | | |
| | LABOUR SK'A' (MASON) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR U/SK | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | | | | | 27,833.43 | | |
| | COST PER 13.8 LINEAR METRES | | | | 27,833.43 | | |
| | RATE PER 1 METRE | | | ST1-106 | 2,016.92 | | |
| | | | | SAY | 2,016.90 | 1,436.85 | 580.05 |
| | * QUANTITY OF AGGREGATE REQUIRED FOR CONCRETING IN 1 METRE LENGTH IS EQUAL TO : 0.017 CU.M | | | | | | |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|-------------|------------|--------------|--------------|--------------|
| ST1-107 | CONSTRUCTION OF R.C.C. GRADE 25(19 MM) END PILLASTER, TYPE I.(AGGR. TRANSPORT AND IRON PILING TO BE PAID SEPARATELY) [TYPE DRAWING NO. T/B/106-REV 1] : | | | | | | |
| | DATA FOR 1 END PILLASTER: | | | | | | |
| A. | EXCAVATION FOR FOUNDATION: 2.0X.5X.525 M | 0.53 | CU.M | E1-012 | 1,088.14 | | |
| B. | CONCRETE SCREED: CONCRETE 1:3:6(37.5 MM) 2X.5X.075 M | 0.08 | CU.M | ST1-040 | 1,490.94 | | |
| | FOUNDATION: GRADE 25(19 MM) CONCRETE (2X.5X.3)+(2X.35X.35) M | 0.55 | CU.M | ST1-048 | 12,882.14 | | |
| | PILLASTER: CONCRETE GRADE 25(19 MM) | | | | | | |
| | 1.4X.35X.15 M + | 0.07 | | | | | |
| | 1.35X.3X.95 M + | 0.38 | | | | | |
| | 1.4X.35X.1 M + | 0.05 | | | | | |
| | | ----- | | | | | |
| | | 0.51 | CU.M | ST1-048 | 11,989.84 | | |
| C. | FORMWORK SHUTTERING FOR FOUNDATION: 2X2X.375 | 1.50 | | | | | |
| | 2X.5X.375 | 0.38 | | | | | |
| | 2X2X.35 | 1.40 | | | | | |
| | 2X.35X.35 | 0.25 | | | | | |
| | | ----- | | | | | |
| | | 3.52 | SQ.M | ST1-064 | 6,482.78 | | |
| | SMOOTH SHUTTERING FOR PILLASTER(65%): 2X1.4X.3X65% | 0.55 | | | | | |
| | 2X.35X.3X65% | 0.14 | | | | | |
| | 2X1.35X.95X65% | 1.67 | | | | | |
| | 2X.3X.95X65% | 0.37 | | | | | |
| | 2X.025X1.4X65% | 0.05 | | | | | |
| | 2X.025X.3X65% | 0.01 | | | | | |
| | | ----- | | | | | |
| | | 2.78 | SQ.M | ST1-065 | 6,962.20 | | |
| D. | TOR STEEL REINFORCEMENT FABRICATION: 12 MM DIA. - 24.6 M X .910 KG/M | 22.39 | | | | | |
| | 10 MM DIA. - 52.97 M X .641 KG/M | 33.95 | | | | | |
| | | ----- | | | | | |
| | | 56.34 | KG | ST1-055 | 26,299.40 | | |
| E. | LABOUR & MATERIALS FOR MAKING OF COPING AND PLINTH: MASON - SK'A' FOR MATERIALS - | 0.25 | DAY | B0-001 | 775.00 | | |
| | ADD 1% OF CONCRETE FOR PILLASTER | | | | 119.90 | | |
| | | | | | ----- | | |
| | | | | | 68,090.35 | | |
| | | | | | ----- | | |
| | TOTAL COST | | | | 68,090.35 | | |
| | RATE PER 1 END PILLASTER | | | ST1-107 | 68,090.35 | | |
| | | | | SAY | ===== | | |
| | | | | | 68,090.35 | 20,243.51 | 47,846.84 |
| * | AGGREGATE QUANTITIES REQUIRED: | 37.5 MM | - 0.08 CU.M | | | | |
| | | 19 MM | - 0.95 CU.M | | | | |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|--|----------------------------|------------|--------------|--------------|--------------|
| ST1-108 | CONSTRUCTION OF R.C.C. GRADE 25(19 MM) END PILLASTER, TYPE II.(AGGR. TRANSPORT AND IRON PILING TO BE PAID SEPARATELY) [TYPE DRAWING NO. T/B/106-REV 1] : | | | | | | |
| | DATA FOR 1 END PILLASTER: | | | | | | |
| A. | EXCAVATION FOR FOUNDATION: 2.0X.6X.775 M | 0.93 | CU.M | E1-012 | 1,927.56 | | |
| B. | CONCRETE SCREED: CONCRETE 1:3:6(37.5 MM) 2X.6X.075 M | 0.09 | CU.M | ST1-040 | 1,789.12 | | |
| | FOUNDATION: GRADE 25(19 MM) CONCRETE (2X.6X.3)+(2X.35X.6) M | 0.78 | CU.M | ST1-048 | 18,436.82 | | |
| | PILLASTER: CONCRETE GRADE 25(19 MM) 1.4X.35X.15 M + 1.35X.3X.95 M + 1.4X.35X.1 M + | 0.07 0.38 0.05 | | | | | |
| | | 0.51 | CU.M | ST1-048 | 11,989.84 | | |
| C. | FORMWORK SHUTTERING FOR FOUNDATION: 2X2X.375 2X.6X.375 2X2X.6 2X.35X.6 | 1.50 0.45 2.40 0.42 | | | | | |
| | | 4.77 | SQ.M | ST1-064 | 8,784.91 | | |
| | SMOOTH SHUTTERING FOR PILLASTER(65%): 2X1.4X.3X65% 2X.35X.3X65% 2X1.35X.95X65% 2X.3X.95X65% 2X.025X1.4X65% 2X.025X.3X65% | 0.55 0.14 1.67 0.37 0.05 0.01 | | | | | |
| | | 2.78 | SQ.M | ST1-065 | 6,962.20 | | |
| D. | TOR STEEL REINFORCEMENT FABRICATION: 12 MM DIA. - 13.10 M X .910 KG/M 10 MM DIA. - 62.57 M X .641 KG/M | 11.92 40.11 | | | | | |
| | | 52.03 | KG | ST1-055 | 24,286.84 | | |
| E. | LABOUR & MATERIALS FOR MAKING OF COPING AND PLINTH: MASON - SK'A' FOR MATERIALS - | 0.25 | DAY | B0-001 | 775.00 | | |
| | ADD 1% OF CONCRETE FOR PILLASTER | | | | 119.90 | | |
| | | | | | 75,072.21 | | |
| | TOTAL COST | | | | 75,072.21 | | |
| | RATE PER 1 END PILLASTER | | | ST1-108 | 75,072.21 | | |
| | | | | SAY | 75,072.20 | | |
| * | AGGREGATE QUANTITIES REQUIRED: | 37.5 MM 19 MM | - 0.09 CU.M - 1.16 CU.M | | | 22,937.01 | 52,135.19 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE ----- | DESCRIPTION OF ITEM ----- | QUANTITY ----- | UNIT ---- | PRICE CODE ----- | AMOUNT (Rs.) ----- | LABOUR INPUT ----- | OTHER INPUTS ----- |
|---------------|--|-------------------|--------------|---------------------|--------------------------|--------------------------|--------------------------|
| ST1-109 | CONSTRUCTION OF R.C.C. GRADE 25(19 MM) END PILLASTER, TYPE III.(AGGR. TRANSPORT AND BUILTUP RUBBLE FOUNDATION TO BE PAID SEPARATELY) [TYPE DRAWING NO. T/B/106-REV 1] : | | | | | | |
| | DATA FOR 1 END PILLASTER: ----- | | | | | | |
| A. | CONCRETE FOUNDATION OVER BUILTUP RUBBLE MASONRY: GRADE 25(19 MM) CONCRETE 1.45X.6X.3 M | 0.26 | CU.M | ST1-048 | 6,169.24 | | |
| | PILLASTER: CONCRETE GRADE 25(19 MM) | 0.07 | | | | | |
| | 1.4X.35X.15 M + | 0.38 | | | | | |
| | 1.35X.3X.95 M + | 0.05 | | | | | |
| | 1.4X.35X.1 M + | ----- | | | | | |
| | | 0.51 | CU.M | ST1-048 | 11,989.84 | | |
| B. | FORMWORK SHUTTERING FOR FOUNDATION: 2X1.45X.3 2X.6X.3 | 0.87 | | | | | |
| | | 0.36 | | | | | |
| | | ----- | | | | | |
| | | 1.23 | SQ.M | ST1-064 | 2,265.29 | | |
| | SMOOTH SHUTTERING FOR PILLASTER(65%): 2X1.4X.3X65% | 0.55 | | | | | |
| | 2X.35X.3X65% | 0.14 | | | | | |
| | 2X1.35X.95X65% | 1.67 | | | | | |
| | 2X.3X.95X65% | 0.37 | | | | | |
| | 2X.025X1.4X65% | 0.05 | | | | | |
| | 2X.025X.3X65% | 0.01 | | | | | |
| | | ----- | | | | | |
| | | 2.78 | SQ.M | ST1-065 | 6,962.20 | | |
| C. | TOR STEEL REINFORCEMENT FABRICATION: 12 MM DIA. - 10.75 M X .910 KG/M | 9.78 | | | | | |
| | 10 MM DIA. - 36.49 M X .641 KG/M | 23.39 | | | | | |
| | | ----- | | | | | |
| | | 33.17 | KG | ST1-055 | 15,484.97 | | |
| D. | LABOUR & MATERIALS FOR MAKING OF COPING AND PLINTH: MASON - SK'A' FOR MATERIALS - | 0.25 | DAY | B0-001 | 775.00 | | |
| | ADD 1% OF CONCRETE FOR PILLASTER | | | | 119.90 | | |
| | | | | | ----- | | |
| | | | | | 43,766.44 | | |
| | | | | | ----- | | |
| | TOTAL COST | | | | 43,766.44 | | |
| | RATE PER 1 END PILLASTER | | | ST1-109 | 43,766.44 | | |
| | | | | | ===== | | |
| | | | | SAY | 43,766.45 | 12,735.10 | 31,031.35 |
| * | AGGREGATE QUANTITIES REQUIRED: | 19 MM - | 0.70 CU.M | | | | |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE ----- | DESCRIPTION OF ITEM ----- | QUANTITY ----- | UNIT ---- | PRICE CODE ----- | AMOUNT (Rs.) ----- | LABOUR INPUT ----- | OTHER INPUTS ----- |
|---------------|--|--|--------------|---------------------|--------------------------|--------------------------|--------------------------|
| ST1-110 | CONSTRUCTION OF R.C.C. GRADE 25(19 MM) END PILLASTER, TYPE IV.(AGGR. TRANSPORT TO BE PAID SEPARATELY) [TYPE DRAWING NO. T/B/106-REV 1] : | | | | | | |
| | DATA FOR 1 END PILLASTER: ----- | | | | | | |
| A. | CONCRETE FOUNDATION OVER WINGWALL STRUCTURE: GRADE 25(19 MM) CONCRETE 1.45X.6X.3 M | 0.26 | CU.M | ST1-048 | 6,169.24 | | |
| | PILLASTER: CONCRETE GRADE 25(19 MM) | 0.07 | | | | | |
| | 1.4X.35X.15 M + | 0.38 | | | | | |
| | 1.35X.3X.95 M + | 0.05 | | | | | |
| | 1.4X.35X.1 M + | ----- | | | | | |
| | | 0.51 | CU.M | ST1-048 | 11,989.84 | | |
| B. | FORMWORK SHUTTERING FOR FOUNDATION: 2X1.45X.3 2X.6X.3 | 0.87 | | | | | |
| | | 0.36 | | | | | |
| | | ----- | | | | | |
| | | 1.23 | SQ.M | ST1-064 | 2,265.29 | | |
| | SMOOTH SHUTTERING FOR PILLASTER(65%): 2X1.4X.3X65% 2X.35X.3X65% 2X1.35X.95X65% 2X.3X.95X65% 2X.025X1.4X65% 2X.025X.3X65% | 0.55 0.14 1.67 0.37 0.05 0.01 | | | | | |
| | | ----- | | | | | |
| | | 2.78 | SQ.M | ST1-065 | 6,962.20 | | |
| C. | TOR STEEL REINFORCEMENT FABRICATION: 12 MM DIA. - 10.75 M X .910 KG/M 10 MM DIA. - 36.49 M X .641 KG/M 16 MM DIA. - 4.8 M X 1.619 KG/M | 9.78 23.39 7.77 | | | | | |
| | | ----- | | | | | |
| | | 40.94 | KG | ST1-055 | 19,112.56 | | |
| D. | LABOUR & MATERIALS FOR MAKING OF COPING AND PLINTH: MASON - SK'A' FOR MATERIALS - | 0.25 | DAY | B0-001 | 775.00 | | |
| | ADD 1% OF CONCRETE FOR PILLASTER | | | | 119.90 | | |
| | | | | | ----- | | |
| | | | | | 47,394.04 | | |
| | | | | | ----- | | |
| | TOTAL COST | | | | 47,394.04 | | |
| | RATE PER 1 END PILLASTER | | | ST1-110 | 47,394.04 | | |
| | | | | | ===== | | |
| | | | | SAY | 47,394.05 | 13,574.39 | 33,819.66 |
| * | AGGREGATE QUANTITIES REQUIRED: | 19 MM - | 0.70 CU.M | | | | |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|--------|------------|----------------|--------------|--------------|
| ST1-111 | LAYING OF GRADE 20 CONCRETE PRECAST PIN KERBS IN GRADE 20(19) CONCRETE FOUNDATION AS EDGING : (AGGREGATE TRANSPORT TO BE PAID SEPARATELY) | | | | | | |
| | DATA FOR 30 NOS. EQUIVALENT TO | 18.00 | METERS | | | | |
| A. | CONCRETE FOR PIN KERB .075X.15X.6X30 NOS | 0.20 | CU.M | ST1-047 | 4,414.53 | | |
| B. | FORMWORK AS PER ST1-057 & 15 USES ADD 1% OF FORMWORK COST FOR CASTING BED | 0.54 | SQ.M | ST1-057 | 906.74 9.07 | | |
| C. | EXCAV. FOR FOUND. E1-012 (1X.2X.6X30) | 0.36 | CU.M | E1-012 | 746.15 | | |
| D. | CONCRETE FOR FOUNDATION AS PER ST1-047 LESS ((.1X.22X.6)-(.075X.075X.6))X30 | 0.29 | CU.M | ST1-047 | 6,425.59 | | |
| E. | FORMWORK AS PER ST1-064 & 50 USES | 0.22 | SQ.M | ST1-064 | 397.81 | | |
| F. | PLACING PIN KERBS AND INTERNAL TRANSPORT | 2.00 | DAY | B0-003 | 4,600.00 | | |
| | LABOUR SK'B' | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | LABOUR US/K | | | | 171.25 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | | | |
| | | | | | 19,921.14 | | |
| | TOTAL COST FOR 18 M | | | | 19,921.14 | | |
| | RATE PER 1 METER LENGTH | | | ST1-111 | 1,106.73 | | |
| | | | | SAY | 1,106.75 | 573.41 | 533.34 |
| * | AGGRGATE REQUIRED PER 1 M FOR PIN KERB - 0.01 CU.M & FOR FOUNDATION - 0.02 CU.M | | | | | | |

HSR - 2024
Engineering Division
Ministry of Transport and Highways

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|-----------|------------|--------------|--------------|--------------|
| ST1-112 | SUPPLYING AND FIXING 25 MM THICK TONGUE & GROOVED PLANKS WITH 50X50 MM STRUTS OF CLASS I TIMBER IN PANELS AS SMOOTH SHUTTERING FOR CONCRETE DRAINS : | | | | | | |
| | DATA FOR LENGTH OF DRAIN 5.49 M & AREA NUMBER OF USES ASSUMED | 13.38 | SQ.M | | | | |
| | | 12.00 | TIMES | | | | |
| A. | CLASS I TIMBER INCLUDING 10% FOR WASTAGES | | | | | | |
| | 25MM PLANKS 4X3X1.83X.61X.025 | 334.89 | | | | | |
| | 50X50 MM SECTIONS 4X2X3X1.83X.050X.050 | 109.80 | | | | | |
| | 50X50 MM SECTIONS 4X4X3X.61X.050X.050 | 73.20 | | | | | |
| | 50X50 MM PLANKS 4X.61X.15X.025 (4 ENDS) | 9.15 | | | | | |
| | 50X25 MM SECTIONS 4X3X.75X.050X.025 | 11.25 | | | | | |
| | 50X25 MM SECTIONS 4X3X.45X.050X.025 | 6.75 | | | | | |
| | | 545.04 | | | | | |
| | ADD 10 % FOR WASTAGES | 54.50 | | | | | |
| | TOTAL TIMBER | 599.54 | CU.DECI M | B0-391 | 151,504.77 | | |
| | FABRICATION & FOR NECESSARY REPAIRS | | | | | | |
| | LABOUR SK'A' | 3.00 | DAY | B0-001 | 9,300.00 | | |
| | LABOUR S/SK | 6.00 | DAY | B0-003 | 13,800.00 | | |
| | ADD 2.5 % OF LABOUR FOR TOOLS | | | | 577.50 | | |
| | WIRE NAILS | 2.00 | KG | B0-432 | 767.60 | | |
| | | | | | 175,949.87 | | |
| | COST OF SHUTTERING FOR 13.38 SQ.M FOR 12 USES | | | | 175,949.87 | | |
| | COST FOR 13.38 SQ.M PER 1 USE | | | ST1-112A | 14,662.49 | | |
| B. | ASSEMBLING AND DIS-ASSEMBLING OF SHUTTERING | | | | | | |
| | LABOUR SK'A' | 1.50 | DAY | B0-001 | 4,650.00 | | |
| | LABOUR S/SK | 3.00 | DAY | B0-003 | 6,900.00 | | |
| | ADD 2.5 OF LABOUR FOR TOOLS | | | | 288.75 | | |
| | MOULD OIL | 1.67 | LTR | B0-602 | 264.74 | | |
| | WIRE NAILS | 0.80 | KG | B0-432 | 307.04 | | |
| | | | | | 12,410.53 | | |
| | COST OF ASSEMBLING & REMOVING OF 13.38 SQ.M | | | ST1-112B | 12,410.53 | | |
| | TOTAL COST FOR 13.38 SQ.M PER USE | | | | 27,073.01 | | |
| | COST PER 1 SQ.M PER USE | | | ST1-112 | 2,022.65 | | |
| | | | | SAY | 2,022.65 | 970.82 | 1,051.83 |
| ST1-113 | SUPPLY AND PACKING 50 - 200 MM DRY STONE LINING BEHIND ABUTMENTS AND WING WALLS : (AGGREGATE TRANSPORT TO PAY SEPARATELY) | | | | | | |
| | DATA FOR 1 CU.M | | | | | | |
| | AGGREGATE RUBBLE (LESS PILING) | 0.50 | CU. M | B0-302 | 1,236.74 | | |
| | AGGREGATE 100 MM (LESS PILING) | 0.20 | CU. M | B0-303 | 523.72 | | |
| | AGGREGATE 75 MM (LESS PILING) | 0.20 | CU. M | B0-304 | 523.72 | | |
| | AGGREGATE 50 MM (LESS PILING) | 0.10 | CU. M | B0-305 | 261.86 | | |
| | COST OF PACKING (AS PER ST1-011) | 1.00 | CU. M | ST1-011 | 1,461.46 | | |
| | | | | | 4,007.50 | | |
| | ADD 10% ON COST OF AGG. 100MM & BELOW ANDFOR FILLING VOIDS | | | | 204.00 | | |
| | | | | | 4,211.50 | | |
| | COST PER 1 CU. M | | | ST1-113 | 4,211.50 | | |
| | | | | SAY | 4,211.50 | 1,391.34 | 2,820.16 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|--------------|--------------|--------------|
| ST1-114 | LAYING GEOTEXTILE ON PREPARED SURFACE (SUPPLY AND TRANSPORT TO PAY SEPARATELY) | | | | | | |
| | DATA FOR 87.75 SQ.M | | | | | | |
| | LABOUR U/SK | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | LABOUR SK 'B' | 1.00 | DAYS | B0-002 | 2,800.00 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | 182.50 | | |
| | TOTAL FOR 87.75 SQ.M | | | | 7,482.50 | | |
| | RATE PER 1 SQ.M | | | ST1-114 | 85.27 | | |
| | | | | SAY | 85.25 | 83.19 | 2.06 |
| ST1-115 | CONSTRUCTION OF GABION WALL USING 4X1X1M MESH ON PREPARED GROUND. (SUPPLY AND TRANSPORT OF GABION MESH TO BE PAID SEPARATELY) : | | | | | | |
| | DATA FOR 16 CU.M (4/4.0X1.0X1.0 M) OF GABION | | | | | | |
| A | FABRICATING GABION BOX | | | | | | |
| | LABOUR U/SK | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | LABOUR S/SK | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | LABOUR SK 'B' | 0.50 | DAY | B0-002 | 1,400.00 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | 120.00 | | |
| | | | | | 4,920.00 | | |
| B | PLACING AND FIXING GABION BOXES | | | | | | |
| | LABOUR U/SK | 5.33 | DAY | B0-004 | 11,992.50 | | |
| | LABOUR S/SK | 0.89 | DAY | B0-003 | 2,047.00 | | |
| | LABOUR SK 'B' | 1.33 | DAY | B0-002 | 3,724.00 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | 444.09 | | |
| | | | | | 18,207.59 | | |
| C | PACKING RUBBLE INCLUDING SUPPLY | | | | | | |
| | LABOUR U/SK | 15.55 | DAY | B0-004 | 34,987.50 | | |
| | LABOUR S/SK | 2.80 | DAY | B0-003 | 6,440.00 | | |
| | LABOUR SK 'B' | 5.91 | DAY | B0-002 | 16,548.00 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | 1,449.39 | | |
| | RUBBLE | 20.00 | CU.M | B0-301 | 49,469.96 | | |
| | | | | | 108,894.85 | | |
| | TOTAL COST FOR 16 CU.M | | | (A+B+C) | 132,022.44 | | |
| | RATE PER CU.M | | | ST1-115 | 8,251.40 | | |
| | | | | SAY | 8,251.40 | 5,033.69 | 3,217.71 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|-------------|------|------------|--------------|--------------|--------------|
| ST1-116 | CONSTRUCTION OF GABION WALL USING 4X1X0.5 M MESH ON PREPARED GROUND. (SUPPLY AND TRANSPORT OF GABION MESH TO BE PAID SEPARATELY) : | | | | | | |
| | <u>DATA FOR 12 CU.M (6/4.0X1.0X0.5 M) OF GABION</u> | | | | | | |
| A | FABRICATING GABION BOX | | | | | | |
| | LABOUR U/SK | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | LABOUR S/SK | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | LABOUR SK 'B' | 0.50 | DAY | B0-002 | 1,400.00 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | 120.00 | | |
| | | | | | 4,920.00 | | |
| B | PLACING AND FIXING GABION BOXES | | | | | | |
| | LABOUR U/SK | 6.67 | DAY | B0-004 | 15,007.50 | | |
| | LABOUR S/SK | 0.83 | DAY | B0-003 | 1,909.00 | | |
| | LABOUR SK 'B' | 0.83 | DAY | B0-002 | 2,324.00 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | 481.01 | | |
| | | | | | 19,721.51 | | |
| C | PACKING RUBBLE INCLUDING SUPPLY | | | | | | |
| | LABOUR U/SK | 11.66 | DAY | B0-004 | 26,235.00 | | |
| | LABOUR S/SK | 2.10 | DAY | B0-003 | 4,830.00 | | |
| | LABOUR SK 'B' | 4.43 | DAY | B0-002 | 12,404.00 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | 1,086.73 | | |
| D | RUBBLE | 15.00 | CU.M | B0-301 | 37,102.47 | | |
| | | | | | 81,658.20 | | |
| | TOTAL COST FOR 12 CU.M | | | (A+B+C) | 106,299.71 | | |
| | RATE PER CU.M | | | ST1-116 | 8,858.31 | | |
| | | | | SAY | 8,858.30 | 5,625.79 | 3,232.51 |
| ST1-117 | CONSTRUCTION OF KERB INLET AS PER DRAWING TYPE - K1/T1 WITH COVER SLABS. AGGREGATE TRANSPORT TO PAY SEPARATELY | | | | | | |
| | <u>DATA FOR 1.2 M LENGTH</u> | | | | | | |
| | 1. CONCRETE | | | | | | |
| | INLET CHANNEL BASE (.8X1.2X.1) | 0.10 | | | | | |
| | INLET CHANNEL WALLS (2X.2X.1X1.2) | 0.05 | | | | | |
| | BASE PARALLEL TO KERB EDGE (3.1X.1X.2) | 0.06 | | | | | |
| | COVER SLABS 2 NOS (2X.6X.8X.115) | 0.11 | | | | | |
| | TOTAL CONCRETE 1:2:4(19) | 0.32 | CU.M | ST1-047 | 6,897.57 | | |
| | 2. FORM WORK | | | | | | |
| | WALL (2X.3X1.2)+(2X.2X1.2) | 1.20 | | | | | |
| | SLAB (2X2X.8X.115)+(2X2.6X.115) | 0.64 | | | | | |
| | TOTAL FORM WORK | 1.84 | SQ.M | ST1-064 | 3,396.09 | | |
| | 3. REINFORCEMENT TOR STEEL | | | | | | |
| | AS PER THE BAR SCHEDULE IN TYPE DRAWING | 8.04 | KG | ST1-055 | 3,753.07 | | |
| | 4. ALLOW CASTING BED COST 3% OF FORM WORK COST | | | | | | |
| | | | | | | | 101.88 |
| | 5. PLACING 2 NO. SLABS INCLUDING LEVELLING | | | | | | |
| | 4 U/SK IN 1 HOUR | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | TRACTOR & TRAILER FOR TRANSPORT | 0.05 | DAY | B0-117 | 534.25 | | |
| | TOTAL COST FOR 1.2 M KERB INLET PIT | | | | 15,807.86 | | |
| | RATE PER 1 KERB INLET PIT WITH 1.2 M LENGTH | | | ST1-117 | 15,807.86 | | |
| | | | | SAY | 15,807.85 | 5,186.43 | 10,621.42 |
| | NOTE: EARTH EXCAVATION TO CONSIDER BY ENGINEER AS PER SITE CONDITION AND ADD SEPARATELY IF REQUIRED | | | | | | |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---|--|----------|------|------------|--------------|--------------|--------------|
| ITEMS RESERVED FOR BRIDGE WORKS ONLY | | | | | | | |
| THE RATES IN THE FOLLOWING ITEMS FROM ST1-118 TO ST1-120 SHOULD BE ADDED TO THE CONCRETE RATE SELECTED FROM ITEMS ST1-038 TO ST1-050, DEPENDING ON THE STRUCTURAL LOCATION | | | | | | | |
| ST1-118 | ADDITIONAL LABOUR FOR POURING, COMPACTING AND LEVELLING CONCRETE IN SCREED UNDER FOUNDATION SLAB | | | | | | |
| | DATA FOR 1 CU.M | | | | | | |
| | LABOUR SK'A' MASON | 0.13 | DAY | B0-001 | 387.50 | | |
| | LABOUR S/SK | 0.33 | DAY | B0-003 | 766.67 | | |
| | | | | | ----- | | |
| | | | | | 1,154.17 | | |
| | TOTAL COST PER 1 CU.M. | | | ST1-118 | 1,154.17 | | |
| | | | | | ===== | | |
| | | | | SAY | 1,154.15 | 1,154.15 | 0.00 |
| ST1-119 | ADDITIONAL LABOUR FOR POURING AND COMPACTING CONCRETE IN ABUTMENTS, WINGWALLS, CAPPING BEAMS OF PIERS AND FOOT WALKS OF BRIDGES | | | | | | |
| | DATA FOR | 8.50 | CU.M | | | | |
| | LABOUR SK'A' CARPENTER | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | | | | | ----- | | |
| | TOTAL COST PER 8.5 CU.M. | | | | 3,100.00 | | |
| | TOTAL COST PER 1 CU.M. | | | ST1-119 | 364.71 | | |
| | | | | | ===== | | |
| | | | | SAY | 364.70 | 364.70 | 0.00 |
| ST1-120 | ADDITIONAL LABOUR FOR POURING, COMPACTING AND LEVELLING INFILLER CONCRETE BETWEEN BRIDGE BEAMS INCLUDING SCREED OF BRIDGE DECKS. | | | | | | |
| | DATA FOR 1 CU.M | | | | | | |
| | LABOUR SK'A' CARPENTER | 0.33 | DAY | B0-001 | 1,023.00 | | |
| | LABOUR U/SK | 0.33 | DAY | B0-004 | 742.50 | | |
| | | | | | ----- | | |
| | TOTAL COST PER 1 CU.M. | | | ST1-120 | 1,765.50 | | |
| | | | | | ===== | | |
| | | | | SAY | 1,765.50 | 1,765.50 | 0.00 |
| ST1-121 | LAYING READY MIXED GRADE CONCRETE INCLUDING VIBRATION.* (SUPPLY OF CONCRETE TO BE PAID SEPARATELY) | | | | | | |
| | DATA FOR | 8.50 | CU.M | | | | |
| | LABOUR SK'A' | 2.00 | DAY | B0-001 | 6,200.00 | | |
| | LABOUR S/SK | 3.00 | DAY | B0-003 | 6,900.00 | | |
| | LABOUR U/SK | 2.00 | DAY | B0-004 | 4,500.00 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | 440.00 | | |
| | HIRE OF PORKER VIBRATER | 1.00 | DAY | B0-106 | 2,223.09 | | |
| | | | | | ----- | | |
| | TOTAL COST PER 8.5 CU.M. | | | | 20,263.09 | | |
| | TOTAL COST PER 1 CU.M. | | | ST1-121 | 2,383.89 | | |
| | | | | | ===== | | |
| | | | | SAY | 2,383.90 | 2,070.59 | 313.31 |
| | * Additional labour to be considered depending on the location of concreting. | | | | | | |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|--------|------------|--------------|--------------|--------------|
| ST1-122 | SUPPLYING AND LAYING APPROVED HARD RUBBER BEARING PADS 75MM X 12 MM OVER CAPPING BEAMS AND UNDER THE APPROACH SLABS | | | | | | |
| | DATA FOR | 19.60 | METRES | | | | |
| | LABOUR SK'A' CARPENTER | 0.50 | DAY | B0-001 | 1,550.00 | | |
| | LABOUR U/SK | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | 66.88 | | |
| | HARD RUBBER BEARING PADS 75 MMX 12 MM | 19.60 | METRES | B0-638 | 52,816.61 | | |
| | TOTAL COST PER 8.5 CU.M. | | | | 55,558.49 | | |
| | TOTAL COST PER 1 M. | | | ST1-122 | 2,834.62 | | |
| | | | | SAY | 2,834.60 | 136.48 | 2,698.12 |
| ST1-123 | BITUMENOUS SEALING MATERIAL SUPPLIED AND LAID UNDER BEAM ENDS TO PREVENT GROUT LEAK ON TO CAPPING BEAM TRANSPORT OF EMULSION INCLUDED: | | | | | | |
| | DATA FOR | 10.00 | METRES | | | | |
| | VOLUME OF SAND EMULSION MIX 1:8 (0.1 X 0.05 X 15) | 0.05 | CU.M | | | | |
| | LABOUR FOR MIXING AND LAYING 2 S/SK FOR 2 HOURS | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | 28.75 | | |
| | EMULSION CSS-1 | 3.00 | LITRES | B0-352 | 447.00 | | |
| | RIVER SAND | 0.06 | CU.M | B0-332 | 219.73 | | |
| | ALLOW 5% EMULSION FOR TRANSPORT | 1.00 | ITEM | | 22.35 | | |
| | TOTAL COST PER 10 M. | | | | 1,867.83 | | |
| | TOTAL COST PER 1 M. | | | ST1-123 | 186.78 | | |
| | | | | SAY | 186.80 | 115.00 | 71.80 |
| ST1-124 | 150 MM DIA. POLYTHENE DISPLACERS SUPPLIED AND FILLED WITH SAW DUST OR SIMILAR LIGHT MATERIAL IN DECK. TRANSPORT OF SAW DUST TO PAY SEPARATELY: | | | | | | |
| | DATA FOR | 50.00 | METRES | | | | |
| | POLYTHENE TUBE LENGTH/KG | 28.00 | METRES | | | | |
| | ASSUME 50% COMPACTION | | | | | | |
| | VOLUME OF SAW DUST | 1.33 | CU.M | | | | |
| | LABOUR U/SK FILLING | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | LABOUR U/SK LOADING FOR TRANSPORT | 0.13 | DAY | B0-004 | 281.25 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | 35.16 | | |
| | COST OF SAW DUST | 1.33 | CU.M | B0-648 | 169.64 | | |
| | POLYTHENE TUBE | 1.96 | KG | B0-639B | 1,351.03 | | |
| | BASKET | 0.33 | NO | B0-631 | 100.00 | | |
| | BINDING WIRE | 0.75 | KG | B0-431 | 284.78 | | |
| | TOTAL COST PER 50 M. | | | | 3,346.85 | | |
| | TOTAL COST PER 1 M. | | | ST1-124 | 66.94 | | |
| | | | | SAY | 66.95 | 28.13 | 38.83 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|--------|------------|--------------|--------------|--------------|
| ST1-125 | 230 MM DIA. POLYTHENE DISPLACERS SUPPLIED AND FILLED WITH SAW DUST OR SIMILAR LIGHT MATERIAL IN DECK. TRANSPORT OF SAW DUST TO PAY SEPARATELY: | | | | | | |
| | <u>DATA FOR</u> | 50.00 | METRES | | | | |
| | POLYTHENE TUBE LENGTH/KG | 20.00 | METRES | | | | |
| | ASSUME 50% COMPACTION | | | | | | |
| | <u>VOLUME OF SAW DUST</u> | 3.12 | CU.M | | | | |
| | LABOUR U/SK FILLING | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | LABOUR U/SK LOADING FOR TRANSPORT | 0.25 | DAY | B0-004 | 562.50 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | 70.31 | | |
| | COST OF SAW DUST | 3.12 | CU.M | B0-648 | 397.96 | | |
| | POLYTHENE TUBE | 2.75 | KG | B0-639A | 1,895.58 | | |
| | BASKET | 0.33 | NO | B0-631 | 100.00 | | |
| | BINDING WIRE | 0.75 | KG | B0-431 | 284.78 | | |
| | TOTAL COST PER 50 M. | | | | 5,561.12 | | |
| | TOTAL COST PER 1 M. | | | ST1-125 | 111.22 | | |
| | | | | SAY | 111.20 | 56.25 | 54.95 |
| ST1-126 | 325 MM DIA. POLYTHENE DISPLACERS SUPPLIED AND FILLED WITH SAW DUST OR SIMILAR LIGHT MATERIAL IN DECK. TRANSPORT OF SAW DUST TO PAY SEPARATELY: | | | | | | |
| | <u>DATA FOR</u> | 50.00 | METRES | | | | |
| | POLYTHENE TUBE LENGTH/KG | 14.00 | METRES | | | | |
| | ASSUME 50% COMPACTION | | | | | | |
| | <u>VOLUME OF SAW DUST</u> | 6.22 | CU.M | | | | |
| | LABOUR U/SK FILLING | 1.50 | DAY | B0-004 | 3,375.00 | | |
| | LABOUR U/SK LOADING FOR TRANSPORT | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | 112.50 | | |
| | COST OF SAW DUST | 6.22 | CU.M | B0-648 | 793.36 | | |
| | POLYTHENE TUBE | 3.93 | KG | B0-639 | 2,708.95 | | |
| | BASKET | 0.50 | NO | B0-631 | 150.00 | | |
| | BINDING WIRE | 0.75 | KG | B0-431 | 284.78 | | |
| | TOTAL COST PER 50 M. | | | | 8,549.59 | | |
| | TOTAL COST PER 1 M. | | | ST1-126 | 170.99 | | |
| | | | | SAY | 171.00 | 90.00 | 81.00 |
| ST1-127 | PCC BEAMS 16.15M LONG LAUNCHED INTO POSITION | | | | | | |
| | <u>DATA FOR</u> | 16.00 | NOS | | | | |
| | LABOUR SK'A' | 4.00 | DAY | B0-001 | 12,400.00 | | |
| | LABOUR U/SK | 32.00 | DAY | B0-004 | 72,000.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 2,110.00 | | |
| | MOBILE CRANE 25 TON | 24.00 | HOUR | B0-146 | 271,045.20 | | |
| | TOTAL COST 16 BEAMS | | | | 357,555.20 | | |
| | RATE PER 1 NO. | | | ST1-127 | 22,347.20 | | |
| | | | | SAY | 22,347.20 | 5,275.00 | 17,072.20 |
| ST1-128 | PCC BEAMS 13.41M AND 12.19M LONG LAUNCHED INTO POSITION | | | | | | |
| | <u>DATA FOR</u> | 8.00 | NOS | | | | |
| | LABOUR SK'A' | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR S/SK | 4.00 | DAY | B0-004 | 9,000.00 | | |
| | ADD 2.5% OF LABOUR FOR TOOLS | | | | 302.50 | | |
| | MOBILE CRANE | 8.00 | HOUR | B0-146A | 119,335.68 | | |
| | TOTAL COST 8 BEAMS | | | | 131,738.18 | | |
| | RATE PER 1 NO. | | | ST1-128 | 16,467.27 | | |
| | | | | SAY | 16,467.25 | 1,512.50 | 14,954.75 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE ----- | DESCRIPTION OF ITEM ----- | QUANTITY ----- | UNIT ---- | PRICE CODE ----- | AMOUNT (Rs.) ----- | LABOUR INPUT ----- | OTHER INPUTS ----- |
|---------------|---|-------------------|--------------|---------------------|--------------------------|--------------------------|--------------------------|
| ST1-129 | PCC BEAMS 10.67M, 9.75M AND 8.23M LONG LAUNCHED INTO POSITION | | | | | | |
| | DATA FOR | 16.00 | NOS | | | | |
| | LABOUR SK'A' | 2.00 | DAY | B0-001 | 6,200.00 | | |
| | LABOUR U/SK | 16.00 | DAY | B0-004 | 36,000.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 1,055.00 | | |
| | MOBILE CRANE 25 TON | 13.00 | HOUR | B0-146 | 146,816.15 | | |
| | TOTAL COST 16 BEAMS | | | | 190,071.15 | | |
| | RATE PER 1 NO. | | | ST1-129 | 11,879.45 | | |
| | | | | SAY | 11,879.45 | 2,637.50 | 9,241.95 |
| ST1-130 | PCC BEAMS 7.01M, 6.09M, 5.18M, 4.26M AND 3.35M LONG LAUNCHED INTO POSITION | | | | | | |
| | DATA FOR | 16.00 | NOS | | | | |
| | LABOUR SK'A' | 1.50 | DAY | B0-001 | 4,650.00 | | |
| | LABOUR U/SK | 12.00 | DAY | B0-004 | 27,000.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 791.25 | | |
| | MOBILE CRANE 25 TON | 10.00 | HOUR | B0-146 | 112,935.50 | | |
| | TOTAL COST 16 BEAMS | | | | 145,376.75 | | |
| | RATE PER 1 NO. | | | ST1-130 | 9,086.05 | | |
| | | | | SAY | 9,086.05 | 1,978.13 | 7,107.93 |
| ST1-131 | M.S. ANGLE IRON AND HARD RUBBER EXPANSION JOINTS AS PER DRAWING NO. T/B/107 REV.1 | | | | | | |
| | DATA FOR | 9.80 | M | | | | |
| | A FABRICATING M.S. ANGLE | | | | | | |
| | LABOUR SK'A' | 0.50 | DAY | B0-001 | 1,550.00 | | |
| | LABOUR U/SK | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | B PREPARING M.S. STUDS | | | | | | |
| | LABOUR SK'A' | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR U/SK | 2.00 | DAY | B0-004 | 4,500.00 | | |
| | C PRPARING DOVETAILED M.S. RODS | | | | | | |
| | LABOUR SK'A' | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR U/SK | 2.00 | DAY | B0-004 | 4,500.00 | | |
| | D PRPARING M.S. LUGS | | | | | | |
| | LABOUR SK'A' | 1.50 | DAY | B0-001 | 4,650.00 | | |
| | LABOUR U/SK | 3.00 | DAY | B0-004 | 6,750.00 | | |
| | E FOR PAINTING | | | | | | |
| | LABOUR S/SK | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | F FOR FIXING ANGLE IRON, ALLUMINIUM SHEET & RUBBER | | | | | | |
| | LABOUR SK'A' | 2.00 | DAY | B0-001 | 6,200.00 | | |
| | LABOUR U/SK | 4.00 | DAY | B0-004 | 9,000.00 | | |
| | G FOR FILLING BITUMINOUS MATERIAL | | | | | | |
| | LABOUR S/SK | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 1,226.88 | | |
| | WELDING PLANT WITH GENERATOR | 1.00 | DAY | B0-105 | 15,812.80 | | |
| | ALLOW FOR WELDING ACCESSORIES | | | | 200.00 | | |
| | M.S.ANGLE 50X50X6 MM CONSIDERING 10% WASTAGE | 10.78 | METRE | B0-641 | 13,826.97 | | |
| | M.S. STUDS | 2.17 | KG | B0-411 | 625.77 | | |
| | M.S. RODS | 2.17 | KG | B0-411 | 625.77 | | |
| | M.S. PLATE 12MM THICK FOR M.S. LUGS | 0.06 | SQ.M | B0-642 | 1,998.09 | | |
| | 75X12 MM RUBBER PAD | 9.80 | METRE | B0-638 | 26,408.31 | | |
| | ALLUMINIUM SHEET 24 SWG | 1.72 | SQ.M | B0-640 | 4,049.83 | | |
| | ADHESIVE (WATER RESISTANT) | 0.50 | KG | B0-643 | 654.38 | | |
| | ALLOW FOR BITUMINOUS FILLER | 0.02 | CU.M | MS1-019A | 668.64 | | |
| | PAINT ANTICORROSIVE | 1.00 | LITRE | B0-542 | 1,366.55 | | |
| | TOTAL COST PER 9.8 M. | | | | 116,538.98 | | |
| | TOTAL COST PER 1 M. | | | ST1-131 | 11,891.73 | | |
| | | | | SAY | 11,891.75 | 5,020.42 | 6,871.33 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|----------------|--|----------|------|------------|--------------|--------------|--------------|
| ST1-132 | TRANSPORT OF 355 X355X9144 MM R.C.C. PILES TO THE SITE EXCLUDING UNLOADING AND STACKING | | | | | | |
| | DATA FOR | 8.00 | NOS | | | | |
| | TRANSPORT DISTANCE | 1.00 | KM | | | | |
| | LOW BED TRAILER 30 TON (TWO WAY) | 2.00 | KM | B0-130A | 164.10 | | |
| | PRIME MOVER FOR 30 TON TRILER(TWO WAY) | 2.00 | KM | B0-131B | 912.32 | | |
| | TOTAL COST PER 8 NOS. FOR 1.0 KM TRANSPORT | | | | 1,076.42 | | |
| | TOTAL COST PER 1 NO. PER 1 KM | | | ST1-132 | 134.55 | | |
| | | | | | ===== | | |
| | | | | SAY | 134.55 | 0.00 | 134.55 |
| ST1-133 | STACKING OF 355 X355X9144 MM R.C.C. PILES | | | | | | |
| | DATA FOR | 8.00 | NOS | | | | |
| | LABOUR U/SK | 4.00 | DAY | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 225.00 | | |
| | MOBILE CRANE 25 TON | 4.00 | HOUR | B0-146 | 45,174.20 | | |
| | TOTAL COST PER 8 NOS. | | | | 54,399.20 | | |
| | TOTAL COST OF STACKING PER 1 NO. | | | ST1-133 | 6,799.90 | | |
| | | | | | ===== | | |
| | | | | SAY | 6,799.90 | 1,125.00 | 5,674.90 |
| ST1-134 | TRANSPORT OF 305 X200X6100 MM R.C.SHEET PILES TO THE SITE EXCLUDING UNLOADING AND STACKING | | | | | | |
| | DATA FOR | 9.00 | NOS | | | | |
| | TRANSPORT DISTANCE | 1.00 | KM | | | | |
| | LORRY 10 TON (TWO WAY) | 2.00 | KM | B0-148 | 486.10 | | |
| | TOTAL COST PER 54.9 LM. FOR 2 KM TRANSPORT | | | | 486.10 | | |
| | TOTAL COST PER 1 NO. PER 1 KM | | | ST1-134 | 54.01 | | |
| | | | | | ===== | | |
| | | | | SAY | 54.00 | 0.00 | 54.00 |
| ST1-135 | STACKING OF 305 X200X6100 MM R.C.SHEET PILES | | | | | | |
| | DATA FOR | 9.00 | NOS | | | | |
| | LABOUR U/SK | 3.00 | DAY | B0-004 | 6,750.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 168.75 | | |
| | MOBILE CRANE 25 TON | 2.00 | HOUR | B0-146 | 22,587.10 | | |
| | TOTAL COST PER 73.2 LM. | | | | 29,505.85 | | |
| | TOTAL COST OF STACKING PER 1 NO. | | | ST1-135 | 3,278.43 | | |
| | | | | | ===== | | |
| | | | | SAY | 3,278.45 | 750.00 | 2,528.45 |

HSR - 2024
Engineering Division
Ministry of Transport and Highways

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE ----- | DESCRIPTION OF ITEM ----- | QUANTITY ----- | UNIT ---- | PRICE CODE ----- | AMOUNT (Rs.) ----- | LABOUR INPUT ----- | OTHER INPUTS ----- |
|----------------|---|-------------------|----------------|---------------------|--------------------------|--------------------------|--------------------------|
| ST1-136 | DRIVING 305 X200X6100 MM R.C.SHEET PILES USING HAND MONKEY | | | | | | |
| | DATA FOR | 106.00 | LM | | | | |
| | INTERNAL TRANSPORTING PILES | | | | | | |
| | LABOUR U/SK | 40.00 | DAY | B0-004 | 90,000.00 | | |
| | HANDLING PILES | | | | | | |
| | LABOUR SK'A' | 20.00 | DAY | B0-001 | 62,000.00 | | |
| | LABOUR U/SK | 100.00 | DAY | B0-004 | 225,000.00 | | |
| | DRIVING PILES USING HAND MONKEY | | | | | | |
| | LABOUR U/SK | 320.00 | DAY | B0-004 | 720,000.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 27,425.00 | | |
| | TOTAL COST PER 106 LM. | | | | 1,124,425.00 | | |
| | TOTAL COST PER 1 M. | | | ST1-136 | 10,607.78 | | |
| | | | | SAY | 10,607.80 | 10,349.06 | 258.74 |
| ST1-137 | SATURATED SAND FILLING | | | | | | |
| | DATA FOR | 8.50 | M ³ | | | | |
| | LABOUR U/SK | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 56.25 | | |
| | RIVER SAND FOR CONCRETE AND MASONRY WORK | 8.93 | CU.M | B0-332 | 35,676.86 | | |
| | TOTAL COST | | | | 37,983.11 | | |
| | RATE PER 1 M ³ | | | ST1-137 | 4,468.60 | | |
| | | | | SAY | 4,468.60 | 264.71 | 4,203.89 |
| ST1-138 | STACKING OF P.S.C.BEAM 16.15M (53' 0") LONG | | | | | | |
| | DATA FOR | 4.00 | NOS | | | | |
| | UNLOADING AND STACKING | | | | | | |
| | LABOUR U/SK | 4.00 | DAY | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 225.00 | | |
| | MOBILE CRANE 25 TON | 4.00 | HOUR | B0-146 | 45,174.20 | | |
| | TOTAL COST | | | | 54,399.20 | | |
| | RATE PER 1 NO. | | | ST1-138 | 13,599.80 | | |
| | | | | SAY | 13,599.80 | 2,250.00 | 11,349.80 |
| ST1-139 | TRANSPORT OF P.S.C.BEAM 16.15M (53' 0") LONG TO THE SITE | | | | | | |
| | DATA FOR | 4.00 | NOS | | | | |
| | TRANSPORT DISTANCE | 1.00 | KM | | | | |
| | LOW BED TRAILER 30 TON (TWO WAY) | 2.00 | KM | B0-130A | 164.10 | | |
| | PRIME MOVER FOR 30 TON TRILER (TWO WAY) | 2.00 | KM | B0-131B | 912.32 | | |
| | TOTAL COST PER 73.2 LM.FOR 1.0 KM TRANSPORT | | | | 1,076.42 | | |
| | TOTAL COST PER 1 No. PER 1 KM | | | ST1-139 | 269.11 | | |
| | | | | SAY | 269.10 | 0.00 | 269.10 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|----------------|--|----------|------|------------|--------------|--------------|--------------|
| ST1-140 | STACKING OF P.S.C.BEAM 13.41M (44' 0") OR 12.19M (40' 0") LONG | | | | | | |
| | DATA FOR | 6.00 | NOS | | | | |
| | UNLOADING AND STACKING | | | | | | |
| | LABOUR U/SK | 6.00 | DAY | B0-004 | 13,500.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 337.50 | | |
| | MOBILE CRANE 25 TON | 4.00 | HOUR | B0-146 | 45,174.20 | | |
| | TOTAL COST | | | | 59,011.70 | | |
| | RATE PER 1 NO. | | | ST1-140 | 9,835.28 | | |
| | | | | SAY | 9,835.30 | 2,250.00 | 7,585.30 |
| ST1-141 | TRANSPORT OF P.S.C.BEAM 13.41M (44' 0") OR 12.19M (40' 0") LONG TO THE SITE | | | | | | |
| | DATA FOR | 6.00 | NOS | | | | |
| | TRANSPORT DISTANCE | 1.00 | KM | | | | |
| | LOW BED TRAILER 30 TON (TWO WAY) | 2.00 | KM | B0-130A | 164.10 | | |
| | PRIME MOVER FOR 30 TON TRILER (TWO WAY) | 2.00 | KM | B0-131B | 912.32 | | |
| | TOTAL COST PER 73.2 LM.FOR 1.0 KM TRANSPORT | | | | 1,076.42 | | |
| | TOTAL COST PER 1 No. PER 1 KM | | | ST1-141 | 179.40 | | |
| | | | | SAY | 179.40 | 0.00 | 179.40 |
| ST1-142 | STACKING OF P.S.C.BEAM 10.63M (35' 0") , 9.75M (32' 0") OR 8.23M (27' 0") LONG | | | | | | |
| | DATA FOR | 8.00 | NOS | | | | |
| | UNLOADING AND STACKING | | | | | | |
| | LABOUR U/SK | 6.00 | DAY | B0-004 | 13,500.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 337.50 | | |
| | MOBILE CRANE 25 TON | 4.00 | HOUR | B0-146 | 45,174.20 | | |
| | TOTAL COST | | | | 59,011.70 | | |
| | RATE PER 1 NO. | | | ST1-142 | 7,376.46 | | |
| | | | | SAY | 7,376.45 | 1,687.50 | 5,688.95 |
| ST1-143 | TRANSPORT OF P.S.C.BEAM 10.63M (35' 0") , 9.75M (32' 0") OR 8.23M (27' 0") LONG TO THE SITE | | | | | | |
| | DATA FOR | 8.00 | NOS | | | | |
| | TRANSPORT DISTANCE | 1.00 | KM | | | | |
| | LOW BED TRAILER 30 TON (TWO WAY) | 2.00 | KM | B0-130A | 164.10 | | |
| | PRIME MOVER FOR 30 TON TRILER (TWO WAY) | 2.00 | KM | B0-131B | 912.32 | | |
| | TOTAL COST PER 73.2 LM.FOR 1.0 KM TRANSPORT | | | | 1,076.42 | | |
| | TOTAL COST PER 1 No. PER 1 KM | | | ST1-143 | 134.55 | | |
| | | | | SAY | 134.55 | 0.00 | 134.55 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|----------------|--|----------|----------------|------------|--------------|--------------|--------------|
| ST1-144 | STACKING OF P.S.C.BEAM 7.01M (23' 0") LONG | | | | | | |
| | DATA FOR | 12.00 | NOS | | | | |
| | UNLOADING AND STACKING | | | | | | |
| | LABOUR U/SK | 6.00 | DAY | B0-004 | 13,500.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 337.50 | | |
| | MOBILE CRANE 25 TON | 4.00 | HOUR | B0-146 | 45,174.20 | | |
| | TOTAL COST | | | | 59,011.70 | | |
| | RATE PER 1 NO. | | | ST1-144 | 4,917.64 | | |
| | | | | SAY | 4,917.65 | 1,125.00 | 3,792.65 |
| ST1-145 | TRANSPORT OF P.S.C.BEAM 7.01M (23' 0") LONG TO THE SITE | | | | | | |
| | DATA FOR | 12.00 | NOS | | | | |
| | TRANSPORT DISTANCE | 1.00 | KM | | | | |
| | LOW BED TRAILER 30 TON (TWO WAY) | 2.00 | KM | B0-130A | 164.10 | | |
| | PRIME MOVER FOR 30 TON TRILER (TWO WAY) | 2.00 | KM | B0-131B | 912.32 | | |
| | TOTAL COST PER 73.2 LM.FOR 1.0 KM TRANSPORT | | | | 1,076.42 | | |
| | TOTAL COST PER 1 No. PER 1 KM | | | ST1-145 | 89.70 | | |
| | | | | SAY | 89.70 | 0.00 | 89.70 |
| ST1-146 | 50mm THICK COVER SLABS FOR SERVICE DUCTS IN GRADE 25(20) CONCRETE INCLUSIVE OF LIGHT REINFORCEMENT | | | | | | |
| | DATA FOR | 20.25 | M ² | | | | |
| | FOR UNLOADING AND STACKING | | | | | | |
| | LABOUR U/SK | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | FOR LAYING | | | | | | |
| | LABOUR U/SK | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 84.38 | | |
| | PAVING SLABS 450 X450X50 MM G.20 CONCRETE | 100.00 | NO | B0-449 | 97,500.00 | | |
| | TOTAL COST | | | | 100,959.38 | | |
| | RATE PER M ² | | | ST1-146 | 4,985.65 | | |
| | | | | SAY | 4,985.65 | 166.67 | 4,818.98 |
| ST1-147 | 110mm Ø TYPE 400 P.V.C. SERVICE DUCT SUPPLYING AND FIXING IN DECK | | | | | | |
| | DATA FOR | 20.00 | L.M | | | | |
| | LABOUR SK'A' | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR U/SK | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 133.75 | | |
| | P.V.C PIPE 110mm TYPE 400 WITH TRANSPORT | 20.00 | M | B0-636B | 32,136.00 | | |
| | TOTAL COST | | | | 37,619.75 | | |
| | RATE PER 1 L.M. | | | ST1-147 | 1,880.99 | | |
| | | | | SAY | 1,881.00 | 267.50 | 1,613.50 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|----------------|--|----------|-------|------------|--------------|--------------|--------------|
| ST1-148 | 110mm Ø TYPE 250 P.V.C. RAIN WATER OUTLETS SUPPLIED AND FIXED THROUGH DECK | | | | | | |
| | DATA FOR | 10.00 | L.M | | | | |
| | FOR HANDLING AND CUTTING | | | | | | |
| | LABOUR U/SK | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | FOR SHAPING AND FIXING | | | | | | |
| | LABOUR SK'A' | 0.50 | DAY | B0-001 | 1,550.00 | | |
| | LABOUR U/SK | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 123.13 | | |
| | P.V.C PIPE 110mm TYPE 250 WITH TRANSPORT | 10.50 | M | B0-636 | 11,111.10 | | |
| | TOTAL COST | | | | 16,159.23 | | |
| | RATE PER 1 L.M. | | | ST1-148 | 1,615.92 | | |
| | | | | SAY | 1,615.90 | 492.50 | 1,123.40 |
| ST1-149 | 50mm Ø TYPE 400 P.V.C. DRAIN PIPES SUPPLIED AND FIXED THROUGH DECK | | | | | | |
| | DATA FOR | 15.00 | L.M | | | | |
| | FOR HANDLING AND CUTTING | | | | | | |
| | LABOUR U/SK | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | FOR SHAPING AND FIXING | | | | | | |
| | LABOUR SK'A' | 0.50 | DAY | B0-001 | 1,550.00 | | |
| | LABOUR U/SK | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 123.13 | | |
| | P.V.C PIPE 50mm TYPE 400 WITH TRANSPORT | 16.00 | M | B0-637 | 5,256.80 | | |
| | TOTAL COST | | | | 10,304.93 | | |
| | RATE PER 1 L.M. | | | ST1-149 | 687.00 | | |
| | | | | SAY | 687.00 | 328.33 | 358.67 |
| ST1-150 | 25mm Ø TYPE 1000 P.V.C. DRAIN PIPES SUPPLIED AND FIXED THROUGH DECK | | | | | | |
| | DATA FOR | 20.00 | L.M | | | | |
| | FOR HANDLING AND CUTTING | | | | | | |
| | LABOUR U/SK | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | FOR SHAPING AND FIXING | | | | | | |
| | LABOUR SK'A' | 0.50 | DAY | B0-001 | 1,550.00 | | |
| | LABOUR U/SK | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% FOR TOOLS | | | | 123.13 | | |
| | P.V.C PIPE 25mm TYPE 1000 WITH TRANSPORT | 21.50 | M | B0-637A | 6,073.75 | | |
| | TOTAL COST | | | | 11,121.88 | | |
| | RATE PER 1 L.M. | | | ST1-150 | 556.09 | | |
| | | | | SAY | 556.10 | 246.25 | 309.85 |
| ST1-151 | SUPPLYING & LAYING 110 MM DIAMETER PVC PIPE (GAUGE 600) UNDER THE ELECTRICAL LINE INSTALATION ON CENTER MEDIAN | | | | | | |
| | DATA FOR 30 M LENGTH | | | | | | |
| | PVC PIPE110 MM | 30.00 | LM | B0-636C | 56,593.50 | | |
| | SAND | 2.41 | CU.M | B0-331 | 9,628.36 | | |
| | ALLOW FOR SOLVENT CEMENT | | | | 300.00 | | |
| | LABOUR (SK/B) | 0.50 | DAYS | B0-002 | 1,400.00 | | |
| | LABOUR (U/SK) (02 NO X 4 HRS) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | BACK-HOE LOADER | 0.13 | DAYS | B0-115 | 4,314.33 | | |
| | TIPPER (1 CUBE) | 0.50 | DAYS | B0-118 | 27.77 | | |
| | ASPHALT CUTTER | 4.00 | HOURS | B0-162 | 15,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 3,650.00 | | |
| | COST FOR 30 M LENGTH | | | | 93,163.95 | | |
| | DATA FOR 1 M LENGTH | | | ST1-151 | 3,105.47 | | |
| | | | | SAY | 3,105.45 | 121.67 | 2,983.78 |

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HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|--------------|--------------|--------------|
| | SECTION XI ===== | | | | | | |
| | KILOMETER POSTS AND GUARD STONES ----- | | | | | | |
| RF1-001 | WHITE WASHING, TWO COATS TO GUIDE/GUARD STONES: | | | | | | |
| | DATA FOR 100 NOS. | | | | | | |
| | LABOUR (S/SK) | 1.75 | DAYS | B0-003 | 4,025.00 | | |
| | LABOUR (U/SK) | 1.75 | DAYS | B0-004 | 3,937.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 199.06 | | |
| | LIME BOILED | 31.25 | KG | B0-537 | 1,089.06 | | |
| | GLUE | 0.11 | KG | B0-534 | 69.19 | | |
| | | | | | ----- | | |
| | | | | | 9,319.81 | | |
| | | | | | ----- | | |
| | COST FOR 100 NOS. | | | | 9,319.81 | | |
| | RATE PER 1 NO. | | | RF1-001 | 93.20 | | |
| | | | | | ===== | | |
| | | | | SAY | 93.20 | 79.63 | 13.58 |
| RF1-002 | WHITEWASHING TWO COATS K.M. STONES INC. NUMBERING & TAR SKIRTING: | | | | | | |
| | DATA FOR 20 NOS. | | | | | | |
| | LABOUR (S/SK) WHITEWASHING | 1.75 | DAYS | B0-003 | 4,025.00 | | |
| | LABOUR (U/SK) | 1.75 | DAYS | B0-004 | 3,937.50 | | |
| | PAINTER (S/SK) NUMBERING | 2.25 | DAYS | B0-003 | 5,175.00 | | |
| | LABOUR (U/SK) | 2.25 | DAYS | B0-004 | 5,062.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 455.00 | | |
| | LIME BOILED | 12.50 | KG | B0-537 | 435.63 | | |
| | GLUE | 0.09 | KG | B0-534 | 53.00 | | |
| | PAINT | 0.09 | LTR | B0-541 | 132.96 | | |
| | COAL TAR | 1.14 | LTR | B0-531 | 175.02 | | |
| | | | | | ----- | | |
| | | | | | 19,451.62 | | |
| | | | | | ----- | | |
| | COST FOR 20 NOS. | | | | 19,451.62 | | |
| | RATE PER 1 NO. | | | RF1-002 | 972.58 | | |
| | | | | | ===== | | |
| | | | | SAY | 972.60 | 910.00 | 62.60 |
| RF1-003 | PAINTING WHITE BACK GROUND ON PARAPETS ETC. & STENCILLING NOS.: | | | | | | |
| | DATA FOR 50 NOS. | | | | | | |
| | PAINTER (S/SK) | 3.50 | DAYS | B0-003 | 8,050.00 | | |
| | LABOUR (U/SK) | 3.50 | DAYS | B0-004 | 7,875.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 398.13 | | |
| | PAINT | 1.50 | LTR | B0-541 | 2,193.60 | | |
| | | | | | ----- | | |
| | | | | | 18,516.73 | | |
| | | | | | ----- | | |
| | COST FOR 50 NOS. | | | | 18,516.73 | | |
| | RATE PER 1 NO. | | | RF1-003 | 370.33 | | |
| | | | | | ===== | | |
| | | | | SAY | 370.35 | 318.50 | 51.85 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|--|---|--|--|--------------|--------------|
| RF1-004 | FIXING GUARD STONES IN ANY SOIL: DATA FOR 16 NOS. LABOUR (U/SK) ALLOW 2.5% ON LABOUR FOR TOOLS | 2.00 | DAYS | B0-004 | 4,500.00 112.50 4,612.50 | | |
| | COST FOR 16 NOS. | | | | 4,612.50 | | |
| | RATE PER 1 NO. | | | RF1-004 | 288.28 | | |
| | | | | SAY | 288.30 | 281.25 | 7.05 |
| RF1-005 | CASTING STD. K.M. STONES WITH R.C.C [1:2:4(19 MM) & CEMENT 282.5 KG/CU.M], INCLUDING CURING, FOR "A" AND "B" CLASS ROADS : DATA FOR 10 NOS. CONCRETE AS PER ST1-046 STEEL FAB. AS PER ST1-054 LABOUR (S/SK) ADDL.LAB. FOR PLACING MASON (SK'A') ASSEMBLING MOULD ETC. LABOUR (U/SK) ASSEMBLING MOULD ETC. LABOUR (U/SK) CURING ALLOW 2.5% ON LABOUR FOR TOOLS GUNNY BAGS MOULD OIL | 1.27 41.66 1.00 2.50 2.50 9.00 10.00 1.50 | CU.M KG DAY DAYS DAYS DAYS NO. LTR | ST1-046 ST1-054 B0-003 B0-001 B0-004 B0-004 B0-632 B0-602 | 28,801.70 19,021.33 2,300.00 7,750.00 5,625.00 20,250.00 898.13 1,015.00 238.53 85,899.69 | | |
| | COST FOR 10 NOS. | | | | 85,899.69 | | |
| | RATE PER 1 NO. | | | RF1-005 | 8,589.97 | | |
| | | | | SAY | 8,589.95 | 4,869.78 | 3,720.17 |
| RF1-006 | CASTING STD. K.M. STONES WITH R.C.C [1:2:4(19 MM) & CEMENT 282.5 KG/CU.M], INCLUDING CURING, FOR "C" AND "D" CLASS ROADS : DATA FOR 10 NOS. CONCRETE AS PER R1-636M STEEL FAB. AS PER R1-643M LABOUR (S/SK) ADDL.LAB. FOR PLACING MASON (SK'A') ASSEMBLING MOULD ETC. LABOUR (U/SK) ASSEMBLING MOULD ETC. LABOUR (U/SK) CURING ALLOW 2.5% ON LABOUR FOR TOOLS GUNNY BAGS MOULD OIL | 0.62 37.59 0.50 1.50 1.50 7.00 10.00 1.50 | CU.M KG DAY DAYS DAYS DAYS NO. LTR | ST1-046 ST1-054 B0-003 B0-001 B0-004 B0-004 B0-632 B0-602 | 14,080.83 17,165.59 1,150.00 4,650.00 3,375.00 15,750.00 623.13 1,015.00 238.53 58,048.08 | | |
| | COST FOR 10 NOS. | | | | 58,048.08 | | |
| | RATE PER 1 NO. | | | RF1-006 | 5,804.81 | | |
| | | | | SAY | 5,804.80 | 3,303.01 | 2,501.79 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE ---- | DESCRIPTION OF ITEM ----- | QUANTITY ----- | UNIT --- | PRICE CODE ----- | AMOUNT (Rs.) ----- | LABOUR INPUT ----- | OTHER INPUTS ----- | | |
|--------------|--|--|---|---|--|--------------------------|--------------------------|----------|----------|
| RF1-007 | FIXING STANDARD TYPE K.M. STONES IN ANY SOIL: DATA FOR 8 NOS. ----- EXCAVATION AS PER E1-014 LABOUR (S/SK) LABOUR (U/SK) ALLOW 2.5% ON LABOUR FOR TOOLS | 1.42 1.00 5.00 | CU.M DAY DAYS | E1-014 B0-003 B0-004 | 3,125.03 2,300.00 11,250.00 338.75 ----- 17,013.78 ----- 17,013.78 RATE PER 1 NO. RF1-007 SAY | 2,126.72 ===== | 2,126.70 | 2,068.75 | 57.95 |
| RF1-008 | FIXING NEW OR REFIXING TYPE GUARD STONES IN CEMENT CONCRETE [1:3:6(37.5 MM) AND CEMENT 219 KG/CU.M] WITH MIN. COVER 75MM X 300MM DEPTH: LABOUR (U/SK) (1 HOUR) ALLOW 2.5% ON LABOUR FOR TOOLS CONCRETE AS PER ST1-040 | 0.13 0.04 | DAY CU.M | B0-004 ST1-040 | 281.25 7.03 805.11 ----- 1,093.39 ----- 1,093.39 ===== | 1,093.40 | 544.21 | 549.19 | |
| RF1-009 | CASTING STANDARD TYPE GUARD STONES IN CONCRETE [1:2:4(19 MM) & CEMENT 282.5 KG/CU.M] : DATA FOR 30 NOS. ----- CONCRETE AS PER ST1-046 CARPENTER (SK/A) LABOUR (U/SK) MASON (SK/A) LABOUR (U/SK) LABOUR (U/SK) ALLOW 2.5% ON LABOUR FOR TOOLS TIMBER 25 MM PLANKS (CLASS 2) GUNNY BAGS MOULD OIL | 1.70 2.00 2.00 1.50 1.50 9.00 51.82 15.00 1.50 | CU.M DAYS DAYS DAYS DAYS DAYS CU.DECI M NO. LTR | ST1-046 B0-001 B0-004 B0-001 B0-004 B0-004 B0-392 B0-632 B0-602 | 38,402.27 6,200.00 4,500.00 4,650.00 3,375.00 20,250.00 974.38 5,943.77 1,522.50 238.53 ----- 86,056.44 ----- 86,056.44 RATE PER 1 NO. RF1-009 SAY | 2,868.55 ===== | 2,868.55 | 1,666.89 | 1,201.66 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|----------|--|--------------|-----------------|------------|-------------------|--------------|--------------|
| RF1-009A | CASTING STANDARD TYPE GUARD STONES IN CONCRETE G25(19) AS PER DRAWING NO. T/B/100-REV 1, FOR BRIDGES & CULVERTS : | | | | | | |
| | DATA FOR 30 NOS. | | | | | | |
| | 1. TIMBER FORMWORK FOR MOULD - NUMBER OF USES | 20.00 | | | | | |
| | CARPENTER (SK'A') | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (U/SK) | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 267.50 | | |
| | PLY WOOD (WBP) 15 MM THICK | 29.68 | SQ.M | B0-396 | 57,056.83 | | |
| | 50MM X 50 MM SAWN TIMBER | 867.51 | CU.DECI M | B0-392 | 99,503.40 | | |
| | WIRE NAILS | 1.50 | KG | B0-432 | 575.70 | | |
| | 75 MM. X 8 MM DIA. NUTS AND BOLTS | 720.00 | NOS. | B0-647 | 24,372.00 | | |
| | COST FOR 30 MOULDS FOR 20 USES | | | | 192,475.43 | | |
| | COST FOR 30 MOULDS FOR 01 USE | | | | 9,623.77 | | |
| | 2. ROUND BARS FOR MAKING 20 MM DIA HOLES AS PER DRWG. FOR | | 200 USES | | | | |
| | LABOUR (U/SK) FOR CUTTING | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 168.75 | | |
| | M.S. ROUNDS 20 MM DIA. | 58.90 | KG | B0-411 | 16,985.29 | | |
| | COST FOR 30 MOULDS FOR 20 USES | | | | 23,904.04 | | |
| | COST FOR 30 MOULDS FOR 01 USE | | | | 119.52 | | |
| | 3. CLEANING MOULD, FIXING CONCRETING AND CURING FOR 7 DAYS | | | | | | |
| | MASON SK'A' | 1.50 | DAYS | B0-001 | 4,650.00 | | |
| | LABOUR U/SK | 10.50 | DAYS | B0-004 | 23,625.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 706.88 | | |
| | CONCRETE GRADE 25(20) | 1.72 | CU.M | ST1-048 | 40,608.28 | | |
| | M.S. ROUNDS FOR REINFORCEMENT | 101.42 | KG | ST1-054 | 46,308.37 | | |
| | MOULD OIL | 1.50 | LTR | B0-602 | 238.50 | | |
| | GUNNEY BAGS (JUTE) | 15.00 | NO. | B0-632 | 1,522.50 | | |
| | ALLOW FOR WATER | 210.00 | LTR | B0-788 | 5,775.00 | | |
| | ALLOW FOR CASTING BED(10% OF BASE AREA) | 0.09 | SQ.M. | ST1-057 | 151.12 | | |
| | COST FOR 30 NO. GUARD STONES | | | | 123,585.65 | | |
| | TOTAL COST PER 30 GUARD STONES (1+2+3) | | | | 133,328.94 | | |
| | COST PER GUARD STONE FOR BRIDGES & CULVERTS | | | RF1-009A | 4,444.30 | | |
| | | | | SAY | 4,444.30 | 1,594.06 | 2,850.24 |
| RF1-010 | ROUTE NUMBERING WITH REFLECTIVE PAINT ON 2 SIDES:(REFLECTIVE PAINT TO BE PAID SEPARATELY) | | | | | | |
| | DATA FOR 5 NOS. | | | | | | |
| | SIGNBOARD PAINTER (SK/A) | 1.25 | DAYS | B0-001 | 3,875.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 96.88 | | |
| | ALLOW FOR OTHER PAINT | 1.00 | ITEM | B0-741 | 220.00 | | |
| | COST FOR 5 NOS. | | | | 4,191.88 | | |
| | COST FOR 5 NOS. | | | | 4,191.88 | | |
| | RATE PER 1 NO. | | | RF1-010 | 838.38 | | |
| | | | | SAY | 838.40 | 775.00 | 63.40 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|---|--|---|--|-----------------|-----------------|
| RF1-011 | CASTING STANDARD BOUNDARY MARKERS IN REINFORCED CONCRETE [1:2:4(19 MM)] WITH ADMIXTURES, INCLUDING 14 DAYS CURING AND LOADING TO VEHICLES AT YARD (AGGREGATE TRANSPORT TO PAY SEPARATELY) : | | | | | | |
| | DATA FOR 14 NO. | | | | | | |
| (A) | STEEL FORM WORK (FOR 1000 USES) COST FOR 14 NOS. ADD FOR REPAIRS 25% | 2,600.00 36.40 9.10 | | | | | |
| | TOTAL COST ON FORM WORK | | | | 45.50 | | |
| (B) | MATERIALS: CEMENT SAND AGGREGATE 19MM LESS PILING WATER MILD STEEL 6 MM & 10MM RE/BARS BINDING WIRE MOULD OIL ADMIX.(POZZOLITH: 0.3 LTR/BAG CEMENT) | 3.25 0.35 0.55 0.55 41.50 0.40 3.00 0.98 | BAGS CU.M CU.M ITEM KG KG LTRS LTRS | B0-401 B0-332 B0-308A B0-781 B0-411 B0-431 B0-602 B0-645 | 5,993.00 1,398.31 1,828.93 30.42 11,967.56 151.88 477.00 483.55 | | |
| | TOTAL COST ON MATERIALS | | | | 22,330.64 | | |
| (C) | PLANT: CONCRETE MIXER (400 LITRES) PORKER VIBRATOR | 0.13 0.50 | DAY DAY | B0-102 B0-106 | 1,072.95 1,111.55 | | |
| | TOTAL COST ON PLANT | | | | 2,184.50 | | |
| (D) | LABOUR: CONCRETE MIXING : S/SK 8 NOS. GANG CONCRETING : MASON SK 'A' HELPER U/SK STEEL WORK : BAR BENDER SK'A' HELPER U/SK HANDLING OF MARKERS AT YARD FOR STACKING, & LOADING ETC. : U/SK 4 NOS. GANG ADD 2.5% OF LABOUR FOR TOOLS | 0.13 1.00 1.00 1.00 1.00 0.50 | DAY DAY DAY DAY DAY DAY | B0-003 B0-001 B0-004 B0-001 B0-004 B0-004 | 2,300.00 3,100.00 2,250.00 3,100.00 2,250.00 4,500.00 | | |
| | TOTAL COST ON LABOUR | | | | 17,937.50 | | |
| (E) | CURING: CURING AREA FOR 14 NOS. MARKERS COST OF CURING TANK & WATER ASSUME COST OF CURING FOR 14 DAYS | 12.19 5.00 8.53 | SQ.M % OF CURING AREA SQ.M-D | ST1-053 | 404.75 | | |
| | TOTAL BASIC COST FOR 14 MARKERS (A+B+C+D+E) | | | | 42,902.89 | | |
| | COST FOR 14 NO. BOUNDARY MARKERS | | | | 42,902.89 | | |
| | COST FOR 1 NO. MARKER | | | RF1-011 | 3,064.49 | | |
| | | | | SAY | 3,064.50 | 1,257.00 | 1,807.50 |
| *NOTE: | 19 MM AGGREGATE PER BOUNDARY MARKER : | 0.04 | CU.M | | | | |

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HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---|--|----------|------|------------|--------------|--------------|--------------|
| SECTION XII | | | | | | | |
| NOTICE BOARDS & SIGN BOARDS | | | | | | | |
| [SSCM 810.2 AND 1501.3] | | | | | | | |
| (ALL PAINTS SHOULD CONFORM TO THE REQUIREMENTS OF S.L.S. AS GIVEN IN SSCM 1707) | | | | | | | |
| RS1-001 | NOTICE & TRAFFIC SIGN BOARDS ETC. FIXED IN CONCRETE [1:3:6(37.5 MM) AND CEMENT 219 KG/CU.M], (EXCLUDING TRANSPORT OF AGGREGATE): | | | | | | |
| | DATA FOR 5 NOS. | | | | | | |
| | EXCAVATION AS PER E1-014 | 0.28 | CU.M | E1-014 | 625.38 | | |
| | CONCRETE AS PER ST1-040 | 0.28 | CU.M | ST1-040 | 5,629.18 | | |
| | MASON (SK/A) | 0.50 | DAY | B0-001 | 1,550.00 | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 95.00 | | |
| | | | | | 10,149.56 | | |
| | RATE PER 5 NOS. | | | | 10,149.56 | | |
| | RATE PER 1 NO. | | | RS1-001 | 2,029.91 | | |
| | | | | SAY | 2,029.90 | 1,247.79 | 782.11 |
| RS1-002 | CLEANING & WHITEWASHING 2 COAT TOWN NAME BOARDS (INC. TAR SKIRT) | | | | | | |
| | DATA FOR 20 NOS. | | | | | | |
| | PAINTER (S/SK) | 1.75 | DAYS | B0-003 | 4,025.00 | | |
| | LABOUR (U/SK) | 1.75 | DAYS | B0-004 | 3,937.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 199.06 | | |
| | LIME BOILED | 62.50 | KG | B0-537 | 2,178.13 | | |
| | GLUE | 0.23 | KG | B0-534 | 139.48 | | |
| | COAL TAR | 0.27 | LTR | B0-531 | 42.01 | | |
| | | | | | 10,521.18 | | |
| | RATE PER 20 NOS. | | | | 10,521.18 | | |
| | RATE PER 1 NO. | | | RS1-002 | 526.06 | | |
| | | | | SAY | 526.05 | 398.13 | 127.93 |
| RS1-003 | CLEANING, PAINTING ONE COAT & RELETTERING ETC. TRFFIC SIGN BOARDS INC. PAINT POST IN B/W | | | | | | |
| | DATA FOR 5 NOS. | | | | | | |
| | SIGNBOARD PAINTER (SK/A) | 2.50 | DAYS | B0-001 | 7,750.00 | | |
| | LABOUR (U/SK) | 2.50 | DAYS | B0-004 | 5,625.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 334.38 | | |
| | ENAMEL PAINT | 0.77 | LTR | B0-541 | 1,130.20 | | |
| | | | | | 14,839.57 | | |
| | RATE PER 5 NOS. | | | | 14,839.57 | | |
| | RATE PER 1 NO. | | | RS1-003 | 2,967.91 | | |
| | | | | SAY | 2,967.90 | 2,675.00 | 292.90 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| RS1-004 | CLEANING AND PAINTING 1 COAT ON NOTICE BOARD | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | Painter (S/SK) | 1.25 | DAYS | B0-003 | 2,875.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 71.88 | | |
| | ENAMEL PAINT | 0.77 | LTR | B0-541 | 1,130.20 | | |
| | | | | | 4,077.07 | | |
| | RATE PER 9.29 SQ.M | | | | 4,077.07 | | |
| | RATE PER 1 NO. | | | RS1-004 | 438.87 | | |
| | | | | SAY | 438.85 | 309.47 | 129.38 |
| RS1-005 | LETTERING & NUMBERING BELOW 50 MM | | | | | | |
| | DATA FOR 48 NOS. | | | | | | |
| | SIGNBOARD PAINTER (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 77.50 | | |
| | PAINT | 1.00 | ITEM | B0-741 | 220.00 | | |
| | | | | | 3,397.50 | | |
| | RATE PER 48 NOS | | | | 3,397.50 | | |
| | RATE PER 1 NO. | | | RS1-005 | 70.78 | | |
| | | | | SAY | 70.80 | 64.58 | 6.22 |
| RS1-006 | LETTERING & NUMBERING 50 MM - 75 MM | | | | | | |
| | DATA FOR 40 NOS. | | | | | | |
| | SIGNBOARD PAINTER (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 77.50 | | |
| | PAINT | 1.00 | ITEM | B0-741 | 220.00 | | |
| | | | | | 3,397.50 | | |
| | RATE PER 40 NOS | | | | 3,397.50 | | |
| | RATE PER 1 NO. | | | RS1-006 | 84.94 | | |
| | | | | SAY | 84.95 | 77.50 | 7.45 |
| RS1-007 | LETTERING & NUMBERING 75 MM - 150 MM | | | | | | |
| | DATA FOR 32 NOS. | | | | | | |
| | SIGNBOARD PAINTER (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 77.50 | | |
| | PAINT | 1.00 | ITEM | B0-741 | 220.00 | | |
| | | | | | 3,397.50 | | |
| | RATE PER 32 NOS | | | | 3,397.50 | | |
| | RATE PER 1 NO. | | | RS1-007 | 106.17 | | |
| | | | | SAY | 106.15 | 96.88 | 9.28 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|--------------|--------------|--------------|
| RS1-008 | LETTERING & NUMBERING 150 MM - 225 MM | | | | | | |
| | DATA FOR 24 NOS. | | | | | | |
| | SIGNBOARD PAINTER (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 77.50 | | |
| | PAINT | 1.00 | ITEM | B0-741 | 220.00 | | |
| | | | | | ----- | | |
| | | | | | 3,397.50 | | |
| | | | | | ----- | | |
| | RATE PER 24 NOS | | | | 3,397.50 | | |
| | RATE PER 1 NO. | | | RS1-008 | 141.56 | | |
| | | | | | ===== | | |
| | | | | SAY | 141.55 | 129.17 | 12.38 |
| RS1-009 | PAINTING 2 COATS CONTINUOUS CENTRE LINE, 100 MM WIDE WITH ENAMEL PAINT : | | | | | | |
| | DATA FOR 90 L.METRES (9.0 SQ.M) | | | | | | |
| | PAINTER (SK/A) | 2.25 | DAYS | B0-001 | 6,975.00 | | |
| | LABOUR (U/SK) | 2.25 | DAYS | B0-004 | 5,062.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 300.94 | | |
| | PAINT(ENAMEL) | 1.50 | LTR | B0-541 | 2,193.91 | | |
| | ALLOW FOR BARRICADING | 0.90 | ITEM | B0-705 | 2,475.00 | | |
| | | | | | ----- | | |
| | | | | | 17,007.35 | | |
| | | | | | ----- | | |
| | RATE PER 90 M | | | | 17,007.35 | | |
| | RATE PER 1 METRE | | | RS1-009 | 188.97 | | |
| | | | | | ===== | | |
| | | | | SAY | 188.95 | 133.75 | 55.20 |
| RS1-010 | PAINTING 1 COAT CONTINUES CENTRE LINE, 100 MM WIDE WITH ROAD MARKING PAINT(WHITE) : | | | | | | |
| | DATA FOR 90 L.METRES (9.0 SQ.M) | | | | | | |
| | PAINTER (SK/A) | 2.38 | DAYS | B0-001 | 7,362.50 | | |
| | LABOUR (U/SK) | 2.38 | DAYS | B0-004 | 5,343.75 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 317.66 | | |
| | ROAD MARKING PAINT @ RATE OF 6.5 SQ. M PER LITRE | 1.38 | LTR | B0-548 | 2,621.82 | | |
| | ALLOW FOR BARRICADING | 0.90 | ITEM | B0-705 | 2,475.00 | | |
| | | | | | ----- | | |
| | | | | | 18,120.73 | | |
| | | | | | ----- | | |
| | RATE PER 90 M | | | | 18,120.73 | | |
| | RATE PER 1 METRE | | | RS1-010 | 201.34 | | |
| | | | | | ===== | | |
| | | | | SAY | 201.35 | 141.18 | 60.17 |

HSR - 2024
Engineering Division
Ministry of Transport and Highways

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| RS1-011 | PAINING 2 COATS BROKEN CENTRE LINE, 100 MM WIDE WITH ENAMEL PAINT : | | | | | | |
| | DATA FOR 90 L.METRES (4.5 SQ.M) | | | | | | |
| | Painter (SK/A) | 2.25 | DAYS | B0-001 | 6,975.00 | | |
| | LABOUR (U/SK) | 2.25 | DAYS | B0-004 | 5,062.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 300.94 | | |
| | PAINT/(ENAMEL) | 0.77 | LTR | B0-541 | 1,130.20 | | |
| | ALLOW FOR BARRICADING | 0.90 | ITEM | B0-705 | 2,475.00 | | |
| | | | | | 15,943.63 | | |
| | RATE PER 90 M | | | | 15,943.63 | | |
| | RATE PER 1 METRE | | | RS1-011 | 177.15 | | |
| | | | | SAY | 177.15 | 133.75 | 43.40 |
| RS1-012 | PAINING 1 COAT BROKEN CENTRE LINE, WITHOUT REFLECTIVE STUDS), 100 MM WIDE, AT 3 METRE INTERVALS WITH ROAD MARKING PAINT(WHITE) : | | | | | | |
| | DATA FOR 90 L.METRES (4.5 SQ.M) | | | | | | |
| | Painter (SK/A) | 2.38 | DAYS | B0-001 | 7,362.50 | | |
| | LABOUR (U/SK) | 2.38 | DAYS | B0-004 | 5,343.75 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 317.66 | | |
| | ROAD MARKING PAINT @ RATE OF 6.5 SQ.M PER LITRE | 0.69 | LTR | B0-548 | 1,310.91 | | |
| | ALLOW FOR BARRICADING | 0.90 | ITEM | B0-705 | 2,475.00 | | |
| | | | | | 16,809.82 | | |
| | RATE PER 90 M | | | | 16,809.82 | | |
| | RATE PER 1 METRE | | | RS1-012 | 186.78 | | |
| | | | | SAY | 186.80 | 141.18 | 45.62 |
| RS1-013 | BARRICADING WITH EMPTY (HOT TAR) BARRELS INCLUDING WHITE WASHING, TRANSPORTING AND COST OF BARRELS : | | | | | | |
| | DATA FOR 16 NOS.BARRELS (FOR 35 USES) | | | | | | |
| | LABOUR (U/SK) | 1.50 | DAYS | B0-004 | 3,375.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 84.38 | | |
| | ALLOW FOR WHITE WASHING BARRELS | 16.00 | NOS. | B0-791 | 4,000.00 | | |
| | ALLOW COST OF BARRELS (35 USES) | 0.46 | NOS. | B0-635 | 41.39 | | |
| | TRANSPORT OF BARRELS - AS PER T1-010 | 16.00 | NOS | T1-010 | 1,053.60 | | |
| | | | | | 8,554.37 | | |
| | RATE PER 16 NOS. | | | | 8,554.37 | | |
| | RATE PER 1 NO. | | | RS1-013 | 534.65 | | |
| | | | | SAY | 534.65 | 216.70 | 317.95 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|-------|------------|--------------|--------------|--------------|
| RS1-014 | REVTMENT TO BANKS ETC. WITH EMPTY BARRELS IN HORIZONTAL TIERS WITH VERTICAL BATTER(1:8), INCLUDING TRANSPORT OF BARRELS : | | | | | | |
| | DATA FOR 16 NOS. | | | | | | |
| | MASON (SK/A) | 0.50 | DAY | B0-001 | 1,550.00 | | |
| | LABOUR (U/SK) | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 263.75 | | |
| | EMPTY TAR BARRELS (140 LTRS.) | 16.00 | NOS. | B0-635 | 1,448.80 | | |
| | TRANSPORT OF BARRELS AS PER T1-010 | 16.00 | NOS. | T1-010 | 1,053.60 | | |
| | | | | | 13,316.15 | | |
| | RATE PER 16 NOS. | | | | 13,316.15 | | |
| | RATE PER 1 NO. | | | RS1-014 | 832.26 | | |
| | | | | SAY | 832.25 | 665.14 | 167.11 |
| RS1-015 | ROAD MARKING CONTINUOUS CENTRE LINE 100 MM WIDTH, USING THERMOPLASTIC PAINT(WHITE), INCLUSIVE BARRICADING. (PAINT MATERIAL AND REFLECTIVE GLASS BEADS TO PAY SEPARATELY) | | | | | | |
| | DATA FOR 1.0 KILOMETRES | | | | | | |
| | LABOUR SK'A' | 3.00 | NO. | B0-001 | 9,300.00 | | |
| | LABOUR U/SK | 4.00 | NO. | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 457.50 | | |
| | ROAD MARKER (GAS HEATED) | 8.00 | HOURS | B0-139 | 13,027.68 | | |
| | ALLOWE FOR BARRICADING | 0.90 | DAY | B0-705 | 2,475.00 | | |
| | COST PER 1 KM | | | | 34,260.18 | | |
| | TOTAL COST PER 100 SQ.M(1 KM) | | | | 34,260.18 | | |
| | RATE PER 1 SQ.M | | | RS1-015 | 342.60 | | |
| | | | | SAY | 342.60 | 183.00 | 159.60 |
| | NOTE * 1 KG OF THERMOPLASTIC PAINT COVERS 0.14 SQ.M AREA AT 3.0 MM THICKNESS 25 KG OF GLASS BEADS IS SUFFICIENT FOR 100 SQ.M OF CENTER LINE. | | | | | | |
| RS1-016 | ROAD MARKING, STANDARD PEDESTRIAN CROSSING, USING THERMOPLASTIC PAINT (YELLOW) (PAINT MATERIAL AND REFLECTIVE GLASS BEADS TO PAY SEPARATELY) | | | | | | |
| | DATA FOR AVERAGE 15 METRE WIDE ROAD (34.0 SQ.M) | | | | | | |
| | LABOUR SK'A' | 0.67 | NO. | B0-001 | 2,077.00 | | |
| | LABOUR U/SK | 1.00 | NO. | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 108.18 | | |
| | ROAD MARKER (GAS HEATED) | 2.64 | HOURS | B0-139 | 4,299.13 | | |
| | ALLOWE FOR BARRICADING | 0.90 | DAY | B0-705 | 2,475.00 | | |
| | COST PER 15 M | | | | 11,209.31 | | |
| | TOTAL COST PER 34.0SQ.M (15.M CARRIAGEWAY WIDTH) | | | | 11,209.31 | | |
| | RATE PER 1 SQ.M | | | RS1-016 | 329.69 | | |
| | | | | SAY | 329.70 | 288.47 | 41.23 |
| | NOTE * 1 KG OF THERMOPLASTIC PAINT COVERS 0.14 SQ.M AREA AT 3.0 MM THICKNESS 25 KG OF GLASS BEADS IS SUFFICIENT FOR 100 SQ.M AREA. | | | | | | |

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HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|----------------------|---|----------|------|------------|-----------------|-----------------|-----------------|
| SECTION XIII | | | | | | | |
| MISCELLANEOUS | | | | | | | |
| MS1-001 | PREPARING, STOCK PILING PREMIX USING PEN. GRADE 80/100 BITUMEN (EXCL. TRANSPORT OF AGGREGATE) (SITE MADE): | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (S/SK) - HEATING | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (S/SK) - MIXING | 6.00 | DAYS | B0-003 | 13,800.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 402.50 | | |
| | BITUMEN(80/100) | 191.00 | LTR | B0-351 | 36,077.78 | | |
| | AGGREGATE 12.5 MM | 1.81 | CU.M | B0-309 | 5,340.32 | | |
| | SAND | 1.22 | CU.M | B0-331 | 4,861.72 | | |
| | KEROSINE | 45.00 | LTR | B0-601 | 11,295.00 | | |
| | TAR BOILER | 0.50 | DAY | B0-101 | 50.00 | | |
| | FIREWOOD | 0.38 | CU.M | B0-395 | 1,060.24 | | |
| | BASKET (2/3) | 0.67 | NO. | B0-631 | 200.00 | | |
| | | | | | 75,387.55 | | |
| | | | | | ----- | | |
| | COST PER 2.83 CU.M | | | | 75,387.55 | | |
| | RATE PER 1 CU.M | | | MS1-001 | 26,638.71 | | |
| | | | | | ===== | | |
| | | | | SAY | 26,638.70 | 5,689.05 | 20,949.65 |
| MS1-002 | PATCHING SHALLOW POT HOLES, DEPTH LESS THAN 20 MM USING HOT BITUMEN (80/100)1.2 LTR/SQ.M AND 12.5 MM CHIPS SINGLE SIZE AT THE RATE OF 13.75 CU.DECI M/SQ.M INCLUDING HAND TAMPING (RATE INCLUDES COST OF BITUMEN AND MATERIALS) (EXCL. TRANSPORT OF AGGREGATE & BITUMEN): | | | | | | |
| | DATA FOR 279 SQ.M | | | | | | |
| | LABOUR (U/SK) - CLEANING SURFACE | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | LABOUR (S/SK) - APPLYING BITUMEN | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | LABOUR (S/SK) - SPREADING | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (S/SK) - STAMPING | 6.00 | DAYS | B0-003 | 13,800.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 686.25 | | |
| | BITUMEN | 334.80 | LTR | B0-351 | 63,240.00 | | |
| | TAR BOILER | 0.50 | DAY | B0-101 | 50.00 | | |
| | AGGREGATE 12.5 MM | 3.84 | CU.M | B0-309 | 11,329.73 | | |
| | FIREWOOD | 0.38 | CU.M | B0-395 | 1,066.66 | | |
| | HIRE OF TRACTOR & TRAILOR | 1.00 | DAY | B0-117 | 10,684.90 | | |
| | BASKETS | 1.00 | NO. | B0-631 | 300.00 | | |
| | | | | | 114,807.54 | | |
| | | | | | ----- | | |
| | COST PER 279 SQ.M | | | | 114,807.54 | | |
| | RATE PER 1 SQ.M | | | MS1-002 | 411.50 | | |
| | | | | | ===== | | |
| | | | | SAY | 411.50 | 98.39 | 313.11 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|-----------------|-----------------|-----------------|
| MS1-003 | PATCHING SHALLOW POT HOLES, DEPTH LESS THAN 20 MM USING 10%-20% CUT BACK (80/100) BITUMEN 1.2 LTR/SQ.M AND 12.5 MM CHIPS SINGLE SIZE AT THE RATE OF 13.75 CU.DECI M/SQ.M INCLUDING HAND TAMPING (RATE INCLUDES COST OF BITUMEN AND MATERIALS) (EXCL. TRANSPORT OF AGGREGATE AND BITUMEN): | | | | | | |
| (A) | PREPARATION OF 10%-20% CUT BACK BITUMEN | | | | | | |
| | DATA FOR 109 LTR | | | | | | |
| | LABOUR U/SK | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 28.13 | | |
| | BITUMEN | 87.20 | LTR | B0-351 | 16,471.11 | | |
| | KEROSINE | 21.80 | LTR | B0-601 | 5,471.80 | | |
| | TAR BOILER | 0.25 | DAY | B0-101 | 25.00 | | |
| | FIREWOOD (1/8) | 0.10 | CU.M | B0-395 | 266.66 | | |
| | | | | | 23,387.70 | | |
| | COST PER 109 LITRES | | | | 23,387.70 | | |
| | RATE PER 1 LTR | | | MS1-003A | 214.57 | | |
| (B) | DATA FOR 279 SQ.M | | | | | | |
| | LABOUR (U/SK) - CLEANING SURFACE | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | LABOUR (S/SK) - APPLYING BITUMEN | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | LABOUR (S/SK) - SPREADING | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (S/SK) - FOR STAMPING | 6.00 | DAYS | B0-003 | 13,800.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 686.25 | | |
| | CUTBACK BITUMEN AS PER MS1-003A | 334.80 | LTR | MS1-003A | 71,836.71 | | |
| | AGGREGATE 12.5 MM | 3.84 | CU.M | B0-309 | 11,329.73 | | |
| | HIRE OF TRACTOR & TRAILOR | 1.00 | DAY | B0-117 | 10,684.90 | | |
| | BASKETS | 1.00 | NO. | B0-631 | 300.00 | | |
| | | | | | 122,287.60 | | |
| | COST PER 279 SQ.M | | | | 122,287.60 | | |
| | RATE PER 1 SQ.M | | | MS1-003 | 438.31 | | |
| | | | | SAY | 438.30 | 110.77 | 327.53 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|--------------|--------------|--------------|
| MS1-004 | PATCHING SHALLOW POT HOLES, DEPTH LESS THAN 20 MM USING EMULSION (CRS 1) AT THE RATE OF 1.2 LTR/SQ.M AND 12.5 MM CHIPS SINGLE SIZE AT THE RATE OF 13.75 CU.DECL M/SQ.M INCLUDING HAND TAMPING, TRANSPORT OF EMULSION TO SITE ETC. (RATE INCLUDES COST OF EMULSION AND OTHER MATERIALS) (EXCL. TRANSPORT OF AGGREGATE): | | | | | | |
| | DATA FOR 279 SQ.M | | | | | | |
| | LABOUR (U/SK) - CLEANING SURFACE | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | LABOUR (S/SK) - APPLYING EMULSION | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | LABOUR (S/SK) - SPREADING | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (S/SK) - FOR STAMPING | 6.00 | DAYS | B0-003 | 13,800.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 686.25 | | |
| | EMULSION (CRS - 1) | 334.80 | LTR | B0-353 | 49,885.20 | | |
| | AGGREGATE 12.5 MM | 3.84 | CU.M | B0-309 | 11,329.73 | | |
| | HIRE OF TRACTOR & TRAILOR | 1.00 | DAY | B0-117 | 10,684.90 | | |
| | BASKETS | 1.00 | NO. | B0-631 | 300.00 | | |
| | | | | | 100,336.08 | | |
| | COST PER 279 SQ.M | | | | 100,336.08 | | |
| | RATE PER 1 SQ.M | | | MS1-004 | 359.63 | | |
| | | | | SAY | 359.65 | 98.39 | 261.26 |
| MS1-005 | PATCHING POT HOLES OF MEDIUM DEPTH OF 20-75 MM WITH PREMIX MATERIAL (SITE MADE) USING CUT BACK BITUMEN 10-20% AT THE RATE OF 83.5 LITRES PER CU. METRE OF 19 MM AND DOWN GAUGE STONE AGGREGATE, INCLUDING PREPARATION OF SURFACE, TACK COAT WITH EMULSION (CSS-1) AT .75 LTR/SQ.M, TRIMMING SIDES, LAYING PREMIX, TAMPING ETC. COMPLETE. (RATE INCLUSIVE OF PREMIX MADE AT SITE & TACK COAT) (EXCL. TRANSPORT OF AGGREGATE): | | | | | | |
| (A) | PREPARATION OF POT HOLES | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | LABOUR (U/SK) - SHAPING POT HOLES | 0.80 | DAY | B0-004 | 1,800.00 | | |
| | LABOUR (U/SK) - CLEANING POT HOLES | 0.25 | DAY | B0-004 | 562.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 59.06 | | |
| | | | | | 2,421.56 | | |
| | COST PER 9.29 SQ.M | | | | 2,421.56 | | |
| | RATE PER 1 SQ.M | | | MS1-005A | 260.66 | | |
| (B) | PATCHING POT HOLES INCLUDING TACK COAT | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | LABOUR (S/SK) | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 113.75 | | |
| | EMULSION (CSS - 1) | 6.97 | LTR | B0-352 | 1,038.16 | | |
| | | | | | 5,701.91 | | |
| | COST PER 9.29 SQ.M | | | | 5,701.91 | | |
| | RATE PER 1 SQ.M | | | MS1-005B | 613.77 | | |
| | | | | | | | |

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HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|-------|------------|--------------|--------------|--------------|
| (C) | PREPARATION OF PREMIX WITH 10-20% CUT BACK BITUMEN(80/100). (EXCL. TRANSPORT OF AGGREGATE) | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (S/SK) HEATING AGGREGATE AND BITUMEN | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (S/SK) - MIXING & PREPARING | 6.00 | DAYS | B0-003 | 13,800.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 402.50 | | |
| | 10-20% CUT BACK BITUMEN | 236.31 | LTR | MS1-003A | 50,703.03 | | |
| | AGGREGATE 12.5 MM | 1.81 | CU.M | B0-309 | 5,340.32 | | |
| | SAND | 1.22 | CU.M | B0-331 | 4,861.72 | | |
| | FIREWOOD | 0.38 | CU.M | B0-395 | 1,066.66 | | |
| | BASKET (2/3) | 0.67 | NO. | B0-631 | 200.00 | | |
| | | | | | 78,674.22 | | |
| | COST PER 2.83 CU.M | | | | 78,674.22 | | |
| | RATE PER 1 CU.M | | | MS1-005C | 27,800.08 | | |
| (D) | COST OF PREMIX FOR 1 SQ.M (AT THE RATE OF 67 CU.DECI M/SQ.M) | | | | | | |
| | PREMIX AS PER MS1-005C | 0.07 | CU.M | MS1-005C | 1,862.61 | | |
| | | | | MS1-005D | 1,862.61 | | |
| | TOTAL COST PER 1 SQ.M R1-905M(A)+(B)+(D) | | | | 2,737.04 | | |
| | RATE PER 1 SQ.M | | | MS1-005 | 2,737.04 | | |
| | | | | SAY | 2,737.05 | 1,182.99 | 1,554.06 |
| MS1-006 | PATCHING POTHOLE USING PLANT MADE PREMIX BOUND BASE (WITH 60/70 BINDER) INCLUDING SEALING THE PATCHING WITH EMULSION(CRS-1) PAINTING @ 7.3 LTR/M.TON, COVER WITH SAND (SUPPLY AND TRANSPORT OF PREMIX TO BE PAID SEPARATELY): | | | | | | |
| | DATA PER 3 M.TONS | | | | | | |
| | PREMIX (BASE COURSE)(EX PLANT) | 3.00 | M.TON | B0-362 | 44,217.00 | | |
| | EMULSTION (CRS-1) | 21.90 | LTR | B0-353 | 3,263.10 | | |
| | SAND | 0.37 | CU.M | B0-331 | 1,469.82 | | |
| | LABOUR (S/SK) | 3.00 | DAY | B0-003 | 6,900.00 | | |
| | LABOUR (U/SK) | 3.00 | DAY | B0-004 | 6,750.00 | | |
| | TOOLS 2.5% OF LABOUR | | | | 341.25 | | |
| | | | | | 62,941.17 | | |
| | RATE PER 3 M.TONS | | | | 62,941.17 | | |
| | RATE PER 1 M.TON | | | MS1-006 | 20,980.39 | | |
| | | | | SAY | 20,980.40 | 4,550.00 | 16,430.40 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|-----------------|-----------------|-----------------|
| MS1-007 | PATCHING POT HOLES OF MEDIUM DEPTH OF 20-75 MM USING GRADED AGGREGATE 19 -12.5 MM USING HOT BITUMEN(80/100) @ 2 LTR/SQ.M COVERED WITH BLOTTON MATERIAL AT THE RATE OF 1 CU.M/125 SQ.M, INCLUDING PREPARATION OF SURFACE TACK COAT WITH (CSS-1) AT .75 LTR/SQ.M, TRIMMING SIDES, LAYING AGGREGATE, TAMPING ETC. COMPLETE (RATE INCLUSIVE OF AGGREGATE & TACK COAT BUT EXCL. TRANSPORT OF AGGREGATE & BITUMEN): | | | | | | |
| | DATA FOR 1 SQ.M | | | | | | |
| (A) | PREP. OF POT HOLES AS PER MS1-005A | 1.00 | SQ.M | MS1-005A | 260.66 | | |
| (B) | PATCHING POT HOLES INCLUDING TACK COAT TACK COAT AS PER MS1-005B | 1.00 | SQ.M | MS1-005B | 613.77 | | |
| (C) | GRADED AGGREGATE 19 MM | 0.07 | CU.M | B0-308A | 236.95 | | |
| (D) | BITUMEN 2 LTR/SQ.M COVERED WITH SAND AS PER S1-001 | 1.00 | SQ.M | S1-001 | 473.28 | | |
| | TOTAL COST PER 1 SQ.M | | | | 1,584.66 | | |
| | RATE PER 1 SQ.M | | | MS1-007 | 1,584.66 | | |
| | | | | SAY | 1,584.65 | 802.75 | 781.90 |
| MS1-008 | PATCHING DEEP POT HOLES DEEPER THAN 75 MM WITH C/B PREMIX MATERIAL (SITE MADE) TO A DEPTH OF 37.5 MM (OVER THE ALREADY PREPARED SURFACE WITH AGGREGATE AND GRAVEL PAID SEPARATELY) USING 10-20% CUT BACK BITUMEN AT THE RATE OF 83.5 LTR/CU.M OF 19 MM AND DOWN GRADED AGGREGATE INCL. PREPARATION OF SURFACE, TACK COAT WITH EMULSION (CSS-1) .75 LTR/SQ.M., TRIMMING SIDES, LAYING PREMIX, TAMPING ETC. COMPLETE (RATE INCLUSIVE OF PREMIX MADE AT SITE AND TACK COAT) (EXCL. TRANSPORT OF AGGREGATE & BITUMEN): | | | | | | |
| (A) | PATCHING POT HOLES INCLUDING TACK COAT AS PER MS1-005B | 1.00 | SQ.M | MS1-005B | 613.77 | | |
| (B) | PREMIX (WITH 10-20% CUT BACK) AS PER MS1-005C | 0.03 | CU.M | MS1-005C | 917.40 | | |
| | COST PER 1 SQ.M (A + B) | | | | 1,531.17 | | |
| | RATE PER 1 SQ.M | | | MS1-008 | 1,531.17 | | |
| | | | | SAY | 1,531.15 | 705.95 | 825.20 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|----------------------|----------------------|--------------|--------------|
| MS1-009 | PATCHING POT HOLES MORE THAN 75 MM DEEP WITH WATER BOUND GRAVEL MATERIAL USING 50 MM OR 12.5 MM SINGLE SIZE AGGREGATE ALONG WITH USEABLE OLD AGGREGATE OBTAINED FROM PICKING AND PREPARATION OF SURFACE INCLUDING. LAYING, WATERING, SPREADING GRAVEL OF APPROVED QUALITY AND TAMPING AS DIRECTED. (AGGREGATE AND GRAVEL WOULD BE PAID SEPARATELY): | | | | | | |
| | DATE FOR 279 SQ.M | | | | | | |
| | LABOUR (U/SK) - CLEANING SURFACE | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | LABOUR (S/SK) - SPREADING AGGREGATE | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (S/SK) - FOR STAMPING | 5.00 | DAYS | B0-003 | 11,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 513.75 | | |
| | ALLOW FOR WATERING | 2.83 | CU.M | B0-785 | 108.96 | | |
| | | | | | 21,172.71 | | |
| | COST PER 279 SQ.M | | | | 21,172.71 | | |
| | RATE PER 1 SQ.M | | | MS1-009 | 75.89 | | |
| | | | | SAY | 75.90 | 73.66 | 2.24 |
| MS1-010 | PATCHING RUTS AND DEPRESSIONS UPTO 75 MM DEPTH USING SITE MADE COLD MIX(CUT BACK) MATERIAL WITH THE SURFACE AND EDGE PREPARED AS PER SPECIFICATIONS AND APPLICATION OF TACK COAT WITH EMULSION (CSS-1) AT .75 LTR/SQ.M., (EXCL. TRANSPORT OF AGGREGATE): | | | | | | |
| (A) | PREPARATION OF SURFACE FOR 279 SQ.M : LABOUR (U/SK) ALLOW 2.5% ON LABOUR FOR TOOLS | 4.00 | DAYS | B0-004 | 9,000.00 225.00 | | |
| | | | | | 9,225.00 | | |
| | COST PER 279 SQ.M | | | | 9,225.00 | | |
| | RATE PER 1 SQ.M | | | MS1-010A | 33.06 | | |
| (B) | TACK COAT AS PER MS1-005B | 1.00 | SQ.M | MS1-005B MS1-010B | 613.77 613.77 | | |
| (C) | COLD MIX AT THE RATE OF 67 CU.DECI M/SQ.M AS PER MS1-005C | 0.07 | CU.M | MS1-005C MS1-010C | 1,862.61 1,862.61 | | |
| | TOTAL COST PER 1 SQ.M - MS1-010(A)+(B)+(C) | | | | 2,509.44 | | |
| | RATE PER 1 SQ.M | | | MS1-010 | 2,509.44 | | |
| | | | | SAY | 2,509.45 | 960.94 | 1,548.51 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|-------|----------------------|----------------------|--------------|--------------|
| MS1-011 | PATCHING RUTS AND DEPRESSIONS UPTO 75 MM DEPTH USING PLANT MADE COLD MIX(60/70 CUT BACK) MATERIAL WITH THE SURFACE AND EDGE PREPARED AS PER SPECIFICATIONS AND APPLICATION OF TACK COAT WITH EMULSION (CSS-1) @ .75 LTR/SQ.M (SUPPLY AND TRANSPORT OF PREMIX TO BE PAID SEPARATELY): | | | | | | |
| (A) | PREPARATION OF SURFACE FOR 1 SQ.M AS PER MS1-010A | 1.00 | SQ.M | MS1-010A MS1-011A | 33.06 33.06 | | |
| (B) | TACK COAT AS PER MS1-005B | 1.00 | SQ.M | MS1-005B MS1-011B | 613.77 613.77 | | |
| (C) | PLANT MADE COLD MIX FOR 1 SQ.M | 0.10 | M.TON | B0-365 MS1-011C | 1,923.77 1,923.77 | | |
| | SUB TOTAL | | | | | | |
| | TOTAL COST PER 1 SQ.M - MS1-011(A)+(B)+(C) | | | | 2,570.60 | | |
| | RATE PER 1 SQ.M | | | MS1-011 | 2,570.60 | | |
| | | | | SAY | 2,570.60 | 522.03 | 2,048.57 |
| MS1-012 | PATCHING RUTS AND DEPRESSIONS DEEPER THAN 75 MM THE SURFACE AND EDGES PREPARED AS PER SPECIFICATION TACK COAT WITH EMULSION(CSS-1) @ .75 LTR/SQ.M, TRIMMING SIDES, 50 MM DOWN GAUGE AGGREGATED LAID AND COMPACTED AND THE TOP 40 MM LAID AND COMPACTED WITH SITE MADE COLD MIX(CUT BACK) MATERIAL (SUPPLY OF 50 MM DOWN GAUGE AND TRANSPORT OF ALL AGGREGATE WILL BE PAID SEPARATELY) | | | | | | |
| (A) | PREPARATION OF SURFACE PER 1 SQ.M: AS PER MS1-010A | 1.00 | SQ.M | MS1-010A MS1-012A | 33.06 33.06 | | |
| (B) | APPLICATION OF TACK COAT (AT .75 LTR/SQ.M) AS PER MS1-005B | 1.00 | SQ.M | MS1-005B MS1-012B | 613.77 613.77 | | |
| (C) | LAYING & COMPACTING 50 MM DOWN GAUGE AGGREGATE: DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (S/SK) - FILLING AGGREGATE | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | LABOUR (S/SK) - FOR STAMPING | 4.00 | DAYS | B0-003 | 9,200.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS BASKET | 0.50 | NO | B0-631 | 345.00 150.00 | | |
| | | | | | 14,295.00 | | |
| | COST PER 2.83 CU.M | | | | 14,295.00 | | |
| | RATE PER 1 CU.M | | | MS1-012C1 | 5,051.24 | | |
| | COST FOR .076 CU.M | | | MS1-012C | 383.89 | | |
| (D) | PREMIX (WITH 10-20% CUT BACK) AS PER MS1-005C | 0.03 | CU.M | MS1-005C MS1-012D | 917.40 917.40 | | |
| | TOTAL COST PER 1 SQ.M - MS1-012(A)+(B)+(C)+(D) | | | | 1,948.13 | | |
| | RATE PER SQ.M | | | MS1-012 | 1,948.13 | | |
| | | | | SAY | 1,948.15 | 1,108.81 | 839.34 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|-----------------------|------------------|-----------------|-----------------|
| MS1-013 | PATCHING RUTS AND DEPRESSIONS UPTO 75 MM DEPTH THE SURFACE AND EDGES PREPARED AS PER SPECIFICATION AND APPLICATION OF TACK COAT WITH EMULSION(CSS-1) AT .75 LTR/SQ.M 50 MM DOWN GAUGE AGGREGATED LAID AND COMPACTED USING HOT BITUMEN(80/100) @ 2 LTR/SQ.M, COVERED WITH BLOTTON MATERIAL (SAND) AT THE RATE OF 1 CU.M/125 SQ.M (AGGREGATE WILL BE PAID SEPARATELY): DATA FOR 1 SQ.M | | | | | | |
| (A) | PREPARATION OF SURFACE AS PER MS1-010A | 1.00 | SQ.M | MS1-010A MS1-013A | 33.06 33.06 | | |
| (B) | APPLICATION OF TACK COAT (AT .75 LTR/SQ.M) AS PER MS1-005B | 1.00 | SQ.M | MS1-005B MS1-013B | 613.77 613.77 | | |
| (C) | LAYING & COMPACTING 50 MM DOWN GAUGE AGGREGATE AS PER MS1-012C1 | 0.07 | CU.M | MS1-012C1 MS1-013C | 338.43 338.43 | | |
| (D) | BITUMEN 2 LTR/SQ.M COVERED WITH SAND AS PER S1-001 | 1.00 | SQ.M | S1-001 MS1-013D | 473.28 473.28 | | |
| | TOTAL COST PER 1 SQ.M - MS1-013(A)+(B)+(C)+(D) | | | | 1,458.55 | | |
| | RATE PER SQ.M | | | MS1-013 | 1,458.55 | | |
| | | | | SAY | 1,458.55 | 907.42 | 551.13 |
| MS1-014 | PATCHING RUTS AND DEPRESSIONS DEEPER THAN 75 MM DEPTH THE SURFACE AND EDGES PREPARED AS PER SPECIFICATION AND APPLICATION OF TACK COAT WITH EMULSION(CSS-1) AT .75 LTR/SQ.M 50 MM DOWN GAUGE AGGREGATED LAID AND COMPACTED USING HOT BITUMEN(80/100) @ 2 LTR/SQ.M., COVERED WITH BLOTTON MATERIAL (SAND) AT THE RATE OF 1 CU.M/125 SQ.M (AGGREGATE WILL BE PAID SEPARATELY): DATA FOR 1 SQ.M | | | | | | |
| (A) | PREPARATION OF SURFACE AS PER MS1-010A | 1.00 | SQ.M | MS1-010A MS1-014A | 33.06 33.06 | | |
| (B) | APPLICATION OF TACK COAT (AT .75 LTR/SQ.M) AS PER MS1-005B | 1.00 | SQ.M | MS1-005B MS1-014B | 613.77 613.77 | | |
| (C) | LAYING & COMPACTING 50 MM DOWN GAUGE AGGREGATE AS PER MS1-012C1 | 0.10 | CU.M | MS1-012C1 MS1-014C | 505.12 505.12 | | |
| (D) | BITUMEN 2 LTR/SQ.M COVERED WITH SAND AS PER S1-001 | 1.00 | SQ.M | S1-001 MS1-014D | 473.28 473.28 | | |
| | TOTAL COST PER 1 SQ.M - MS1-014(A)+(B)+(C)+(D) | | | | 1,625.24 | | |
| | RATE PER 1 SQ.M | | | MS1-014 | 1,625.24 | | |
| | | | | SAY | 1,625.25 | 1,068.33 | 556.92 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|----------------------|------------------|--------------|--------------|
| MS1-015 | CORRECTING & STRENGTHENING THE EDGES OF ROAD WITH SITE MADE COLD MIX 40MM THICK PREPARED USING CUT BACK BITUMEN 10-20% AT THE RATE OF 83.5 LTR/CU.M OF 19 MM AND DOWN GAUGE AGGREGATE OVER A TACK COAT USING WITH EMULSION .75 LTR/SQ.M LAID OVER 50 MM AND DOWN GAUGE AGGREGATE LAID, ON POSITION WATERED AND COMPACTED INCLUDING EARTH WORK EXCAVATION TO A WIDTH OF 225 MM AND DEPTH OF 125 MM. (COST OF AGGREGATE AND TRANSPORT TO BE PAID SEPARATELY) : | | | | | | |
| | DATA FOR 1 SQ.M | | | | | | |
| (A) | EARTH WORK EXCAVATION TO A DEPTH OF .125 M AND WIDTH .225 M AS PER E1-003 | 0.13 | CU.M | E1-003 MS1-015A | 157.22 157.22 | | |
| (B) | LAYING 50 MM DOWN GAUGE AGGREGATE & COMPACTION : DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (S/SK) - LAYING | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | LABOUR (S/SK) - COMPACTING | 4.00 | DAYS | B0-003 | 9,200.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 345.00 | | |
| | WATERING | 1.00 | ITEM | B0-785 | 38.50 | | |
| | BASKET | 0.50 | NO. | B0-631 | 150.00 | | |
| | | | | | 14,333.50 | | |
| | COST PER 2.83 CU.M | | | | 14,333.50 | | |
| | RATE PER 1 CU.M | | | MS1-015B1 | 5,064.84 | | |
| | COST FOR 0.125 CU.M | 0.13 | CU.M | MS1-015B | 633.11 | | |
| (C) | TACK COAT WITH EMULSION AS PER MS1-005B | 1.00 | SQ.M | MS1-005B MS1-015C | 613.77 613.77 | | |
| (D) | COLD MIX 40 MM THICK AS PER MS1-005C | 0.03 | CU.M | MS1-005C MS1-015D | 917.40 917.40 | | |
| | TOTAL COST PER 1 SQ.M - MS1-015(A)+(B)+(C)+(D) | | | | 2,321.49 | | |
| | RATE PER 1 SQ.M | | | MS1-015 | 2,321.49 | | |
| | | | | SAY | 2,321.50 | 1,464.57 | 856.93 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|-----------------------|------------------|--------------|--------------|
| MS1-016 | CORRECTING & STRENGTHENING THE EDGES OF ROAD WITH SITE MADE COLD MIX 40 MM THICK PREPARED USING CUTBACK BITUMEN 10-20% AT THE RATE OF 83.5 LTR/CU.M OF 19 AND DOWN GAUGE AGGREGATE OVER A TACK COAT WITH EMULSION .75 LTR/SQ.M LAID OVER 50 MM AND DOWN GAUGE AGGREGATE LAID, ON POSITION WATERED AND COMPACTED WITH A BOTTOM LAYER OF 100 MM AGGREGATE CLOSELY PACT, INCLUDING EARTH WORK EXCAVATION TO A WIDTH OF 225 MM AND DEPTH OF 225 MM (AGGREGATE 100 MM, 50 MM DOWN GAUGE AND TRANSPORT WILL BE PAID SEPARATELY): | | | | | | |
| | DATA FOR 1 SQ.M | | | | | | |
| (A) | EARTH WORK EXCAVATION TO A DEPTH OF .225 M AND WIDTH .225 M AS PER E1-003 | 0.23 | CU.M | E1-003 MS1-016A | 282.99 282.99 | | |
| (B) | LAYING 100 MM AGGREGATE : DATA FOR 2.83 CU.M | | | | | | |
| | LAYING OF 100 MM AGGREGATE | 2.50 | DAYS | B0-003 | 5,750.00 | | |
| | LABOUR (S/SK) - FOR PACKING | | | | 143.75 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS BASKET | 0.50 | NO. | B0-631 | 150.00 | | |
| | | | | | 6,043.75 | | |
| | COST PER 2.83 CU.M | | | | 6,043.75 | | |
| | RATE PER 1 CU.M | | | MS1-016B1 | 2,135.60 | | |
| | COST FOR 0.1 CU.M | 0.10 | CU.M | MS1-016B | 213.56 | | |
| (C) | 50 MM DOWN GAUGE AGGREGATE LAID WATERED & COMPACT. AS PER MS1-015B1 | 0.13 | CU.M | MS1-015B1 MS1-016C | 633.11 633.11 | | |
| (D) | TACK COAT WITH EMULSION AS PER MS1-005B | 1.00 | SQ.M | MS1-005B MS1-016D | 613.77 613.77 | | |
| (E) | COLD MIX 40 MM THICK AS PER MS1-005C | 0.03 | CU.M | MS1-005C MS1-016E | 917.40 917.40 | | |
| | TOTAL COST PER 1 SQ.M - MS1-015(A)+(B)+(C)+(D)+(E) | | | | 2,660.83 | | |
| | RATE PER 1 SQ.M | | | MS1-016 | 2,660.83 | | |
| | | | | SAY | 2,660.85 | 1,787.00 | 873.85 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| MS1-017 | PATCH SEALING WITH EMULSION PAINTING THE SURFACE BY SPRAY OF CRS-1 AT THE RATE OF .75 LTR/SQ.M SQUEEGING THE EMULSION AND SPREADING THE BLOTTON MATERIAL (SAND) AT THE RATE OF 1 CU.M/125 SQ.M : | | | | | | |
| | DATA FOR 279 SQ.M | | | | | | |
| | LABOUR (S/SK) | 4.00 | DAYS | B0-003 | 9,200.00 | | |
| | LABOUR (U/SK) | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 20% ON LABOUR FOR LOSS OF WORKING HOURS | | | | 2,065.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 258.13 | | |
| | EMULSION (CRS-1) | 209.25 | LTR | B0-353 | 31,178.25 | | |
| | SAND | 2.23 | CU.M | B0-331 | 8,917.22 | | |
| | BASKET (1/3) | 0.33 | NO. | B0-631 | 100.00 | | |
| | | | | | 52,843.59 | | |
| | COST PER 279 SQ.M | | | | 52,843.59 | | |
| | RATE PER 1 SQ.M | | | MS1--017 | 189.40 | | |
| | | | | SAY | 189.40 | 37.01 | 152.39 |
| MS1-018 | PATCH SEALING WITH HOT BITUMEN PAINTING THE SURFACE BY USING .75 LTR/SQ.M SQUEEGING THE BITUMEN AND SPREADING THE BLOTTON MATERIAL (SAND) AT THE RATE OF 1 CU.M/125 SQ.M (TRANSPORT OF BITUMEN PAID SEPARATELY): | | | | | | |
| | DATA FOR 279 SQ.M | | | | | | |
| | LABOUR (S/SK) | 4.00 | DAYS | B0-003 | 9,200.00 | | |
| | LABOUR (U/SK) | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 20% ON LABOUR FOR LOSS OF WORKING HOURS | | | | 2,065.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 258.13 | | |
| | BITUMEN | 209.25 | LTR | B0-351 | 39,525.00 | | |
| | TAR BOILER | 0.50 | DAY | B0-101 | 50.00 | | |
| | SAND | 2.23 | CU.M | B0-331 | 8,917.22 | | |
| | FIREWOOD | 0.25 | CU.M | B0-395 | 703.99 | | |
| | BASKET (1/3) | 0.33 | NO. | B0-631 | 100.00 | | |
| | | | | | 61,944.33 | | |
| | COST PER 279 SQ.M | | | | 61,944.33 | | |
| | RATE PER 1 SQ.M | | | MS1-018 | 222.02 | | |
| | | | | SAY | 222.00 | 37.01 | 184.99 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|-----------------|-----------------|-----------------|
| MS1-019 | PATCH SEALING OF PITTED SURFACE USING HOT SAND BITUMEN(80/100) MIX 104 LTR/CU.M OF SAND SPREAD AND HAND TAMPED INCLUDING BRUSHING AND CLEANING THE SURFACE BEFORE APPLICATION (EXCLUDING TRANSPORT OF BITUMEN): | | | | | | |
| (A) | PREPARING SAND BITUMEN MIX : DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (S/SK) - HEATING | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (U/SK) - MIXING | 6.00 | DAYS | B0-004 | 13,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 395.00 | | |
| | BITUMEN | 294.32 | LTR | B0-351 | 55,593.78 | | |
| | TAR BOILER | 0.50 | DAY | B0-101 | 50.00 | | |
| | SAND | 2.83 | CU.M | B0-331 | 11,306.33 | | |
| | FIREWOOD | 0.38 | CU.M | B0-395 | 1,066.66 | | |
| | BASKET (2/3) | 0.67 | NO. | B0-631 | 200.00 | | |
| | | | | | 84,411.76 | | |
| | COST PER 2.83 CU.M | | | | 84,411.76 | | |
| | RATE PER 1 CU.M | | | MS1-019A | 29,827.48 | | |
| (B) | CLEANING, BRUSHING, SPREADING & TAMPING : DATA FOR 279 SQ.M | | | | | | |
| | LABOUR (U/SK) - CLEANING & BRUSHING | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | LABOUR (S/SK) - SPREAD. & TAMPING | 5.00 | DAYS | B0-003 | 11,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 456.25 | | |
| | | | | | 18,706.25 | | |
| | COST PER 279 SQ.M | | | | 18,706.25 | | |
| | RATE PER 1 SQ.M | | | MS1-019B | 67.05 | | |
| (C) | SAND BITUMEN MIX @ RATE OF .015 CU.M PER SQ.M, AS PER MS1-019A | 0.02 | CU.M | MS1-019A | 447.41 | | |
| | | | | MS1-019C | 447.41 | | |
| | TOTAL COST PER 1 SQ.M MS1-019(B)+(C) | | | | 514.46 | | |
| | RATE PER 1 SQ.M | | | MS1-019 | 514.46 | | |
| | | | | SAY | 514.45 | 149.16 | 365.29 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| MS1-020 | PATCH SEALING OF PITTED SURFACES WITH A EMULSION SAND SLURRY USING CRS 1 OR 2 AT THE RATE OF 136.5 LTR/CU.M OF SAND MIX PROPERLY LAID, LEVELLED & SQUEEGED INCLUDING BRUSHING AND CLEANING THE SURFACE BEFORE APPLICATION: | | | | | | |
| (A) | PREPARING EMULSION-SAND SLURRY: DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (S/SK) - FOR MIXING | 4.00 | DAYS | B0-003 | 9,200.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 230.00 | | |
| | EMULSION (CRS-1) | 386.30 | LTR | B0-353 | 57,557.96 | | |
| | HIRE OF MIXER | 0.50 | DAY | B0-102 | 4,291.81 | | |
| | SAND | 2.83 | CU.M | B0-331 | 11,306.33 | | |
| | BASKET (2/3) | 0.67 | NO. | B0-631 | 200.00 | | |
| | | | | | 82,786.09 | | |
| | COST PER 2.83 CU.M | | | | 82,786.09 | | |
| | RATE PER 1 CU.M | | | MS1-020A | 29,253.04 | | |
| (B) | CLEANING, BRUSHING, LAYING ETC.: DATA FOR 279 SQ.M | | | | | | |
| | LABOUR (U/SK) - CLEANING & BRUSHING | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | LABOUR (S/SK) FOR LAYING AND LEVELING ETC. | 4.00 | DAYS | B0-003 | 9,200.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 398.75 | | |
| | | | | | 16,348.75 | | |
| | COST PER 279 SQ.M | | | | 16,348.75 | | |
| | RATE PER 1 SQ.M | | | MS1-020B | 58.60 | | |
| (C) | SAND EMULSION MIX (10-20 MM THICK) AT THE RATE OF .015 CU.M/SQ.M, AS PER MS1-020A | 0.02 | CU.M | MS1-020A | 438.80 | | |
| | | | | MS1-020C | 438.80 | | |
| | TOTAL COST PER 1 SQ.M MS1-020: (B)+(C) | | | | 497.39 | | |
| | RATE PER 1 SQ.M | | | MS1-020 | 497.39 | | |
| | | | | SAY | 497.40 | 105.93 | 391.46 |
| MS1-021 | GENERAL UPKEEP OF ROAD SIDES INCLUDING MAINTAINING THE RIGHT OF WAY IN A NEAT CONDITION BY TRIMMING, WEEDING & CLEARING OF THE ROAD SIDES, DRAINS, DRAINAGE STRUCTURES, SCUPPER DRAINS AND CLEANING MINOR SLIPS: | | | | | | |
| | DATA FOR 74 SQ.M | | | | | | |
| | LABOUR (U/SK) TRIMMING | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | LABOUR (U/SK) | 0.25 | DAY | B0-004 | 562.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 70.31 | | |
| | BASKET (1/10) | 0.10 | NO. | B0-631 | 30.00 | | |
| | | | | | 2,912.81 | | |
| | COST FOR 74 SQ.M | | | | 2,912.81 | | |
| | RATE PER 1 SQ.M | | | MS1-021 | 39.36 | | |
| | | | | SAY | 39.35 | 38.01 | 1.34 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|--------------|--------------|--------------|
| MS1-022 | CLEANING ORDINARY JUNGLE INCLUDING REMOVING HIGH GROWING PLANTS AND TREES OF GIRTH LESS THAN 300 MM OTHER THAN THOSE DESIGNATED TO REMAIN, BY UPROOTING OR BY CUTTING AND THEN UPROOTING THE STUMPS OR BY CUTTING ONLY AS DIRECTED.(SSCM 1203.2): | | | | | | |
| | DATA FOR 4905 SQ.M | | | | | | |
| | LABOUR (S/SK) | 3.00 | DAYS | B0-003 | 6,900.00 | | |
| | LABOUR (U/SK) | 7.00 | DAYS | B0-004 | 15,750.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 566.25 | | |
| | | | | | 23,216.25 | | |
| | COST FOR 4905 SQ.M | | | | 23,216.25 | | |
| | RATE PER 1 SQ.M | | | MS1-022 | 4.73 | | |
| | | | | SAY | 4.75 | 4.62 | 0.13 |
| MS1-023 | CLEARING MEDIUM JUNGLE INCLUDING REMAINING ALL HIGH GROWING PLANTS AND TREES OF GIRTH LESS THAN 300 MM OTHER THAN THOSE DESIGNATED TO REMAIN, BY UPROOTING OR BY CUTTING AND THEN UPROOTING THE STUMPS OR BY CUTTING ONLY AS DIRECTED: | | | | | | |
| | DATA FOR 4905 SQ.M | | | | | | |
| | LABOUR (S/SK) | 3.00 | DAYS | B0-003 | 6,900.00 | | |
| | LABOUR (U/SK) | 11.00 | DAYS | B0-004 | 24,750.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 791.25 | | |
| | | | | | 32,441.25 | | |
| | COST FOR 4905 SQ.M | | | | 32,441.25 | | |
| | RATE PER 1 SQ.M | | | MS1-023 | 6.61 | | |
| | | | | SAY | 6.60 | 6.45 | 0.15 |
| MS1-024 | CLEARING HEAVY JUNGLE INCLUDING REMOVING ALL HIGH GROWING PLANTS AND TREES OF GIRTH LESS THAN 300 MM OTHER THAN THOSE DESIGNATED TO REMAIN, BY UPROOTING OR BY CUTTING AND THEN UPROOTING THE STUMPS OR BY CUTTING ONLY AS DIRECTED: | | | | | | |
| | DATA FOR 4905 SQ.M | | | | | | |
| | LABOUR (S/SK) | 3.00 | DAYS | B0-003 | 6,900.00 | | |
| | LABOUR (U/SK) | 15.00 | DAYS | B0-004 | 33,750.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 1,016.25 | | |
| | | | | | 41,666.25 | | |
| | COST FOR 4905 SQ.M | | | | 41,666.25 | | |
| | RATE PER 1 SQ.M | | | MS1-024 | 8.49 | | |
| | | | | SAY | 8.50 | 8.29 | 0.21 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|--------------|--------------|--------------|
| MS1-025 | REPAIRS TO DAMAGE OF SHOULDERS VERGES AND EMBANKMENTS SLOPES INCLUDING MAKING GOOD DEPRESSIONS, RUTS, HOLES AND EROSION PATH WITH APPROVED GRAVELLY SOIL AND COMPACTING THE SAME WITH ROLLER (8-10TON)AS DIRECTED (GRAVELLY SOIL TO BE PAID SEPARATELY IF BROUGHT FROM OUTSIDE)[SSCM 1201.3]: | | | | | | |
| | DATA FOR 5.66 CU.M | | | | | | |
| | LABOUR U/SK | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 56.25 | | |
| | ROLLER (8-10 TONS) | 0.10 | DAY | B0-111 | 1,957.98 | | |
| | BASKET (1/3) | 0.33 | NO. | B0-631 | 100.00 | | |
| | | | | | 4,364.23 | | |
| | COST FOR 5.66 CU.M | | | | 4,364.23 | | |
| | RATE PER 1 CU.M | | | MS1-025 | 771.07 | | |
| | | | | SAY | 771.05 | 397.53 | 373.52 |
| MS1-026 | REGRAIDING AND REGRAVELLING OF SHOULDERS WITH GRAVEL OF APPROVED QUALITY, DULY COMPACTED WITH ROLLER(8-10TONS) AS DIRECTED FOR REPAIRING HIGH SIDES CAUSED BY HEAVINGS DEPOSITS AND CONSTRUCTION DEBRIS, TO REQUIRED LEVELS BY USING A GRADER(120-140 HP) (GRAVEL TO BE PAID FOR SEPARATELY)[SSCM 1201.3(b)]: | | | | | | |
| | DATA FOR .5 KM | | | | | | |
| | ASSUMING 225 MM THICK ON EITHER SIDE 1.5 M WIDE QUANTITY OF EARTH WORK INVOLVED: = 500 X .225 X 3 = 337.5 CU.M | | | | | | |
| | MOTOR GRADER (120-140 HP) | 0.75 | DAY | B0-114 | 34,331.68 | | |
| | ROLLER (8-10 TONS) | 5.00 | DAYS | B0-111 | 97,899.00 | | |
| | WATER | 112.50 | ITEM | B0-784 | 3,093.75 | | |
| | | | | | 135,324.43 | | |
| | COST FOR 337.5 CU.M | | | | 135,324.43 | | |
| | RATE PER 1 CU.M | | | MS1-026 | 400.96 | | |
| | | | | SAY | 400.95 | 0.00 | 400.95 |
| MS1-027 | REGRAIDING AND REGRAVELLING OF SHOULDERS WITH GRAVEL OF APPROVED QUALITY, DULY COMPACTED WITH ROLLER(8-10TONS) AS DIRECTED FOR REPAIRING HIGH SIDES CAUSED BY HEAVINGS DEPOSITS AND CONSTRUCTION DEBRIS, TO REQUIRED LEVELS MANUALLY (GRAVEL(LOOSE VOLUME) TO BE PAID SEPARATELY) [SSCM 1201.3(b)]: | | | | | | |
| | DATA FOR 19.8 CU.M | | | | | | |
| | LABOUR (U/SK) | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 225.00 | | |
| | ROLLER | 0.33 | DAY | B0-111 | 6,461.33 | | |
| | BASKET | 2.25 | NOS | B0-631 | 675.00 | | |
| | WATER | 19.80 | ITEM | B0-784 | 544.50 | | |
| | | | | | 16,905.83 | | |
| | COST FOR 19.8 CU.M | | | | 16,905.83 | | |
| | RATE PER 1 CU.M | | | MS1-027 | 853.83 | | |
| | | | | SAY | 853.85 | 454.55 | 399.30 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| MS1-028 | REPLACING THE DAMAGE CRACKED CONCRETE SLABS IN THE FOOT WALKS WITH PRECAST/CAST INSITU CEMENT CONCRETE 1:2:4(19MM) USING 19 MM & DOWN GAUGE STONE AGGREGATE TO A MINIMUM THICKNESS OF 50 MM INCLUDING FIXING/LAYING IN POSITION WITH CEMENT MORTAR 1:3 JOINTS OVER A COMPACTED BED ETC. (EXCLUDING TRANSPORT OF AGGREGATE)[SSCM 1204.3]: | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| (A) | 1:2:4(19 MM) MIX CONCRETE | 0.45 | CU.M | ST1-046 | 10,171.17 | | |
| (B) | SHUTTERING | 0.62 | SQ.M | ST1-064 | 1,141.85 | | |
| (C) | FIXING & LAYING: LABOUR (S/SK) | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (U/SK) - FOR COMPACTION | 4.00 | DAYS | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 282.50 | | |
| | | | | | 11,582.50 | | |
| | COST FOR 9.29 SQ.M | | | | 11,582.50 | | |
| (D) | GROUT. JOINTS WITH CEMENT MOTAR 1:3 | 9.29 | SQ.M | ST1-013 | 5,854.56 | | |
| | TOTAL COST PER 9.29 SQ.M MS1-028(A)+(B)+(C)+(D) | | | | 28,750.08 | | |
| | RATE PER 1 SQ.M | | | MS1-028 | 3,094.73 | | |
| | | | | SAY | 3,094.75 | 2,000.24 | 1,094.51 |
| MS1-029 | CUTTING AND REMOVING FALLEN TREES UPTO 600 MM GIRTH INCLUDING CUTTING INTO REQUIRED NUMBER OF PIECES INCLUDING DISPOSAL AS DIRECTED. MINIMUM PIECE SHALL NOT BE LESS THAN 2.5 M IN LENGTH [SSCM 1203.2]: | | | | | | |
| | FOR 4 NOS. CUT | | | | | | |
| | LABOUR (U/SK) - CUTTING | 0.75 | DAY | B0-004 | 1,687.50 | | |
| | LABOUR (U/SK) - CLEANING | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 98.44 | | |
| | | | | | 4,035.94 | | |
| | COST FOR 4 NOS | | | | 4,035.94 | | |
| | RATE PER 1 NO | | | MS1-029 | 1,008.98 | | |
| | | | | SAY | 1,009.00 | 984.38 | 24.63 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|--------------|--------------|--------------|
| MS1-030 | CUTTING AND REMOVING FALLEN TREES 600-900 MM GIRTH INCLUDING CUTTING INTO REQUIRED NUMBER OF PIECES INCLUDING DISPOSAL AS DIRECTED. MINIMUM PIECE SHALL NOT BE LESS THAN 2 M [SSCM 1203.2]: | | | | | | |
| | FOR 4 NOS. CUT | | | | | | |
| | LABOUR (U/SK) - CUTTING | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | LABOUR (U/SK) - CLEANING | 1.50 | DAY | B0-004 | 3,375.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 140.63 | | |
| | | | | | 5,765.63 | | |
| | COST FOR 4 NOS | | | | 5,765.63 | | |
| | RATE PER 1 NO | | | MS1-030 | 1,441.41 | | |
| | | | | SAY | 1,441.40 | 1,406.25 | 35.15 |
| MS1-031 | WEEDING MASONRY CULVERTS SMALL BRIDGES AND RETAINING WALLS [SSCM 1303.3]: | | | | | | |
| | DATA FOR 10 CULVERTS | | | | | | |
| | LABOUR (S/SK) | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 57.50 | | |
| | ALLOW FOR BARRICADING | 1.00 | ITEM | B0-704 | 1,100.00 | | |
| | | | | | 3,457.50 | | |
| | COST PER 10 CULVERTS | | | | 3,457.50 | | |
| | RATE PER CULVERT | | | MS1-031 | 345.75 | | |
| | | | | SAY | 345.75 | 230.00 | 115.75 |
| MS1-032 | MASONRY RANDOM RUBBLE WITH BOULDERS INCLUDING COLLECT[SSCM 1006.3(b)]: | | | | | | |
| | DATA FOR 8.5 CU.M | | | | | | |
| | MASON (SK/A) | 2.00 | DAYS | B0-001 | 6,200.00 | | |
| | LABOUR (S/SK) | 2.00 | DAYS | B0-003 | 4,600.00 | | |
| | LABOUR (U/SK) | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 382.50 | | |
| | BASKET | 1.00 | NO | B0-631 | 300.00 | | |
| | | | | | 15,982.50 | | |
| | COST PER 8.5 CU.M | | | | 15,982.50 | | |
| | RATE PER 1 CU.M | | | MS1-032 | 1,880.29 | | |
| | | | | SAY | 1,880.30 | 1,800.00 | 80.30 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| MS1-033 | FIXING CATS EYES IN TAR MACADAM INCLUDING BREAKING ROAD SURFACE, BARRICADE ETC. [SSCM 810.3(C)]: | | | | | | |
| | DATA FOR 10 NOS. | | | | | | |
| | LABOUR (U/SK) | 1.50 | DAYS | B0-004 | 3,375.00 | | |
| | LABOUR (SK/B) | 0.50 | DAY | B0-002 | 1,400.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 119.38 | | |
| | ADD 10% ON LABOUR FOR BARRICADING | | | | 477.50 | | |
| | | | | | 5,371.88 | | |
| | COST PER 10 NOS. | | | | 5,371.88 | | |
| | RATE PER 1 NO. | | | MS1-033 | 537.19 | | |
| | | | | SAY | 537.20 | 477.50 | 59.70 |
| MS1-034 | REDUCING HIGH SIDES IN ORDINARY SOIL [SSCM 301.3/1201.3 (c)]: | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS BASKETS | 0.50 | NO | B0-631 | 150.00 | | |
| | | | | | 2,456.25 | | |
| | COST PER 2.83 CU.M | | | | 2,456.25 | | |
| | RATE PER 1 CU.M | | | MS1-034 | 867.93 | | |
| | | | | SAY | 867.95 | 795.05 | 72.90 |
| MS1-035 | REDUCING HIGH SIDES IN MEDIUM SOIL: | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 1.50 | DAYS | B0-004 | 3,375.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS BASKETS | 0.50 | NO | B0-631 | 150.00 | | |
| | | | | | 3,609.38 | | |
| | COST PER 2.83 CU.M | | | | 3,609.38 | | |
| | RATE PER 1 CU.M | | | MS1-035 | 1,275.40 | | |
| | | | | SAY | 1,275.40 | 1,192.58 | 82.82 |
| MS1-036 | REDUCING HIGH SIDES IN HARD SOIL: | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS BASKETS | 0.50 | NO. | B0-631 | 150.00 | | |
| | | | | | 4,762.50 | | |
| | COST PER 2.83 CU.M | | | | 4,762.50 | | |
| | RATE PER 1 CU.M | | | MS1-036 | 1,682.86 | | |
| | | | | SAY | 1,682.85 | 1,590.11 | 92.74 |

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|---------|--|----------|------|------------|------------------|--------------|--------------|
| MS1-037 | REDUCING HIGH SIDES IN SOFT ROCK: | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (U/SK) | 2.50 | DAYS | B0-004 | 5,625.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS BASKETS | 0.50 | NO. | B0-631 | 140.63 150.00 | | |
| | | | | | 5,915.63 | | |
| | COST PER 2.83 CU.M | | | | 5,915.63 | | |
| | RATE PER 1 CU.M | | | MS1-037 | 2,090.33 | | |
| | | | | SAY | 2,090.35 | 1,987.63 | 102.72 |
| MS1-038 | REDUCING HIGH SIDES IN ROCK REQUIRING BLASTING: | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR (SK/B) | 1.00 | DAY | B0-002 | 2,800.00 | | |
| | LABOUR (U/SK) | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | ALLOW 40% LOSS ON LABOUR CONTROL | | | | 2,920.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS BASKETS (1/3) | 0.33 | NO. | B0-631 | 182.50 100.00 | | |
| | JUMPER STEEL | 0.45 | KG | B0-503 | 314.80 | | |
| | BLASTING POWDER | 0.34 | KG | B0-501 | 698.46 | | |
| | FUSE | 3.05 | M | B0-502 | 2,534.25 | | |
| | | | | | 14,050.00 | | |
| | COST PER 2.83 CU.M | | | | 14,050.00 | | |
| | RATE PER 1 CU.M | | | MS1-038 | 4,964.67 | | |
| | | | | SAY | 4,964.65 | 2,579.51 | 2,385.14 |
| MS1-039 | WHITE WASHING 1 COAT TO PARAPETS OF BRIDGES AND CULVERTS.[SSCM 1403.3(e)]: | | | | | | |
| | DATA FOR 93 SQ.M | | | | | | |
| | LABOUR (S/SK) | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 113.75 | | |
| | BOILED LIME | 18.75 | KG | B0-537 | 653.44 | | |
| | COMMON SALT | 0.45 | KG | B0-634 | 33.75 | | |
| | BASKETS (1/15) | 0.07 | NO. | B0-631 | 20.00 | | |
| | ALLOW FOR LADDERS | 1.00 | ITEM | B0-732 | 550.00 | | |
| | | | | | 5,920.94 | | |
| | COST PER 93 SQ.M | | | | 5,920.94 | | |
| | RATE PER 1 SQ.M | | | MS1-039 | 63.67 | | |
| | | | | SAY | 63.65 | 48.92 | 14.73 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| MS1-040 | WHITE WASHING 2 COATS TO PARAPETS OF BRIDGES AND CULVERTS: | | | | | | |
| | DATA FOR 93 SQ.M | | | | | | |
| | LABOUR (S/SK) | 1.75 | DAYS | B0-003 | 4,025.00 | | |
| | LABOUR (U/SK) | 1.75 | DAYS | B0-004 | 3,937.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 199.06 | | |
| | BOILED LIME | 31.25 | KG | B0-537 | 1,089.06 | | |
| | COMMON SALT | 0.80 | KG | B0-634 | 60.00 | | |
| | BASKETS (1/8) | 0.13 | NO. | B0-631 | 37.50 | | |
| | ALLOW FOR LADDERS | 1.00 | ITEM | B0-732 | 550.00 | | |
| | | | | | 9,898.13 | | |
| | COST PER 93 SQ.M | | | | 9,898.13 | | |
| | RATE PER 1 SQ.M | | | MS1-040 | 106.43 | | |
| | | | | SAY | 106.45 | 85.62 | 20.83 |
| MS1-041 | WHITE WASHING 1 COAT TO PARAPETS OF BRIDGES AND CULVERTS AFTER CLEANING ATTENDING TO MINOR REPAIRS: | | | | | | |
| | DATA FOR 93 SQ.M | | | | | | |
| | LABOUR (SK/B) | 1.00 | DAY | B0-002 | 2,800.00 | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 126.25 | | |
| | BOILED LIME | 18.75 | KG | B0-537 | 653.44 | | |
| | COMMON SALT | 0.45 | KG | B0-634 | 33.75 | | |
| | BASKETS (1/15) | 0.07 | NO. | B0-631 | 20.00 | | |
| | ALLOW FOR LADDERS | 1.00 | ITEM | B0-732 | 550.00 | | |
| | ALLOW FOR MINOR REPAIRS | 10.00 | ITEM | B0-718 | 5,500.00 | | |
| | | | | | 11,933.44 | | |
| | COST PER 93 SQ.M | | | | 11,933.44 | | |
| | RATE PER 1 SQ.M | | | MS1-041 | 128.32 | | |
| | | | | SAY | 128.30 | 54.30 | 74.00 |
| MS1-042 | WHITE WASHING 2 COATS TO PARAPETS OF BRIDGES AND CULVERTS AFTER CLEANING ATTENDING TO MINOR REPAIRS: | | | | | | |
| | DATA FOR 93 SQ.M | | | | | | |
| | LABOUR (SK/B) | 1.75 | DAYS | B0-002 | 4,900.00 | | |
| | LABOUR (U/SK) | 1.75 | DAYS | B0-004 | 3,937.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 220.94 | | |
| | BOILED LIME | 31.25 | KG | B0-537 | 1,089.06 | | |
| | COMMON SALT | 0.80 | KG | B0-634 | 60.00 | | |
| | BASKETS (1/8) | 0.13 | NO. | B0-631 | 37.50 | | |
| | ALLOW FOR LADDERS | 1.00 | ITEM | B0-732 | 550.00 | | |
| | ALLOW FOR MINOR REPAIRS | 10.00 | ITEM | B0-718 | 5,500.00 | | |
| | | | | | 16,295.00 | | |
| | COST PER 93 SQ.M | | | | 16,295.00 | | |
| | RATE PER 1 SQ.M | | | MS1-042 | 175.22 | | |
| | | | | SAY | 175.20 | 95.03 | 80.17 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|--------------|--------------|--------------|
| MS1-043 | PAINING WITH EMULSION 1 COAT TO PARAPETS OF BRIDGES AND CULVERTS, GUARD STONES AND K.M. POSTS AFTER CLEANING AND ATTENDING TO MINOR REPAIRS.[SSCM 1501.3(a)-(v)]: | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | Painter (SK/B) | 0.44 | DAY | B0-002 | 1,232.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 30.80 | | |
| | EMULSION PAINT | 0.75 | LTR | B0-544 | 651.75 | | |
| | ALLOW FOR MINOR REPAIRS | 1.00 | ITEM | B0-718 | 550.00 | | |
| | ALLOW FOR SAND PAPER ETC. | 1.00 | ITEM | B0-751 | 330.00 | | |
| | | | | | 2,794.55 | | |
| | COST PER 9.29 SQ.M | | | | 2,794.55 | | |
| | RATE PER 1 SQ.M | | | MS1-043 | 300.81 | | |
| | | | | SAY | 300.80 | 132.62 | 168.18 |
| MS1-044 | PAINING WITH ENAMEL 1 COAT TO PARAPETS OF BRIDGES AND CULVERTS, GUARD STONES AND K.M. POSTS AFTER CLEANING AND ATTENDING TO MINOR REPAIRS.[SSCM 1501.3(a)-(v)]: | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | Painter (SK/B) | 0.44 | DAY | B0-002 | 1,232.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 30.80 | | |
| | ENAMEL PAINT | 0.77 | LTR | B0-541 | 1,126.05 | | |
| | ALLOW FOR MINOR REPAIRS | 1.00 | ITEM | B0-718 | 550.00 | | |
| | ALLOW FOR SAND PAPER ETC. | 1.00 | ITEM | B0-751 | 330.00 | | |
| | | | | | 3,268.85 | | |
| | COST PER 9.29 SQ.M | | | | 3,268.85 | | |
| | RATE PER 1 SQ.M | | | MS1-044 | 351.87 | | |
| | | | | SAY | 351.85 | 132.62 | 219.23 |
| MS1-045 | PAINING WITH ENAMEL 2 COATS TO PARAPETS OF BRIDGES AND CULVERTS, GUARD STONES AND K.M. POSTS AFTER CLEANING AND ATTENDING TO MINOR REPAIRS.[SSCM 1501.3(a)-(v)]: | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | Painter (SK/B) | 0.82 | DAY | B0-002 | 2,296.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 57.40 | | |
| | ENAMEL PAINT(.77+.55) | 1.32 | LTR | B0-541 | 1,930.37 | | |
| | ALLOW FOR MINOR REPAIRS | 1.00 | ITEM | B0-718 | 550.00 | | |
| | ALLOW FOR SAND PAPER ETC. | 1.00 | ITEM | B0-751 | 330.00 | | |
| | | | | | 5,163.77 | | |
| | COST PER 9.29 SQ.M | | | | 5,163.77 | | |
| | RATE PER 1 SQ.M | | | MS1-045 | 555.84 | | |
| | | | | SAY | 555.85 | 247.15 | 308.70 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|--------------|--------------|--------------|
| MS1-046 | PAINING WITH EMULSION 2 COATS TO PARAPETS OF BRIDGES AND CULVERTS, GUARD STONES AND K.M. POSTS AFTER CLEANING AND ATTENDING TO MINOR REPAIRS: | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | Painter (SK/B) | 0.82 | DAY | B0-002 | 2,296.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 57.40 | | |
| | EMULSION PAINT | 1.40 | LTR | B0-544 | 1,216.60 | | |
| | ALLOW FOR MINOR REPAIRS | 1.00 | ITEM | B0-718 | 550.00 | | |
| | ALLOW FOR SAND PAPER ETC. | 1.00 | ITEM | B0-751 | 330.00 | | |
| | | | | | 4,450.00 | | |
| | COST PER 9.29 SQ.M | | | | 4,450.00 | | |
| | RATE PER 1 SQ.M | | | MS1-046 | 479.01 | | |
| | | | | SAY | 479.00 | 247.15 | 231.85 |
| MS1-047 | PAINING 1 COAT EMULSION PAINT TO PARAPETS OF BRIDGES AND CULVERTS, GUARD STONES AND K.M. POSTS INCLUDING PREPARING SURFACE OF OLD WORK.[SSCM 1501.3(b)(v)]: | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | Painter (SK/B) | 0.44 | DAY | B0-002 | 1,232.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 30.80 | | |
| | EMULSION PAINT | 0.75 | LTR | B0-544 | 651.75 | | |
| | ALLOW FOR SAND PAPER ETC. | 1.00 | ITEM | B0-751 | 330.00 | | |
| | | | | | 2,244.55 | | |
| | COST PER 9.29 SQ.M | | | | 2,244.55 | | |
| | RATE PER 1 SQ.M | | | MS1-047 | 241.61 | | |
| | | | | SAY | 241.60 | 132.62 | 108.98 |
| MS1-048 | PAINING SUB COAT EMULSION PAINT TO PARAPETS OF BRIDGES AND CULVERTS, GUARD STONES AND K.M. POSTS INCLUDING PREPARING SURFACE SSCM 1501.3(b): | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | Painter (SK/B) | 0.38 | DAY | B0-002 | 1,064.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 26.60 | | |
| | EMULSION PAINT | 0.65 | LTR | B0-544 | 564.85 | | |
| | ALLOW FOR SAND PAPER/COTTON ETC. | 1.00 | ITEM | B0-751 | 330.00 | | |
| | | | | | 1,985.45 | | |
| | COST PER 9.29 SQ.M | | | | 1,985.45 | | |
| | RATE PER 1 SQ.M | | | MS1-048 | 213.72 | | |
| | | | | SAY | 213.70 | 114.53 | 99.17 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| MS1-049 | PAINING 1 COAT EMULSION PAINT TO PARAPETS OF BRIDGES AND CULVERTS, GUARD STONES AND K.M. POSTS INCLUDING PREPARING SURFACE OF NEW WORK.[S.S.C.M. 1501.3 (b)(v)]: | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | PAINTER (SK/B) | 0.38 | DAY | B0-002 | 1,064.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 26.60 | | |
| | EMULSION PAINT | 0.75 | LTR | B0-544 | 651.75 | | |
| | ALLOW FOR SAND PAPER/COTTON | 1.00 | ITEM | B0-751 | 330.00 | | |
| | | | | | 2,072.35 | | |
| | COST PER 9.29 SQ.M | | | | 2,072.35 | | |
| | RATE PER 1 SQ.M | | | MS1-049 | 223.07 | | |
| | | | | SAY | 223.05 | 114.53 | 108.52 |
| MS1-050 | CLEANING & PAINTING 100 MM WIDE STRIPE FOR SKIRTING TO GUARD STONES.[SSCM 1501.3(b)(v)]: | | | | | | |
| | DATA FOR 91.5 LINEAR METRES | | | | | | |
| | LABOUR (S/SK) | 2.25 | DAYS | B0-003 | 5,175.00 | | |
| | LABOUR (U/SK) | 2.25 | DAYS | B0-004 | 5,062.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 255.94 | | |
| | COAL TAR | 0.75 | LTR | B0-531 | 115.50 | | |
| | | | | | 10,608.94 | | |
| | COST PER 91.5 M | | | | 10,608.94 | | |
| | RATE PER 1 M | | | MS1-050 | 115.94 | | |
| | | | | SAY | 115.95 | 111.89 | 4.06 |
| MS1-051 | PAINING 2 COATS STANDARD PEDESTRIAN CROSSING FOR CARRIAGEWAY. [SSCM 810.2(c)]: | | | | | | |
| | DATA FOR 3.66 M WIDE CARRIAGEWAY (AVE. SQ.M) | 9.74 | | | | | |
| | PAINTER (SK/A) | 1.38 | DAY | B0-001 | 4,262.50 | | |
| | LABOUR (U/SK) | 1.38 | DAY | B0-004 | 3,093.75 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 183.91 | | |
| | ALLOW FOR BARRICADING | 1.00 | ITEM | B0-704 | 1,100.00 | | |
| | ENAMEL PAINT @ RATE OF 6.0 SQ.M/LTR | 1.62 | LTR | B0-541 | 2,374.10 | | |
| | | | | | 11,014.26 | | |
| | COST PER 3.66 M | | | | 11,014.26 | | |
| | RATE PER 1 M | | | MS1-051 | 3,009.36 | | |
| | | | | SAY | 3,009.35 | 2,009.90 | 999.45 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|--------------|--------------|--------------|
| MS1-052 | PAINTING 1 COAT STANDARD PEDESTRIAN CROSSING FOR CARRIAGEWAY USING ROAD MARKING PAINTS. [SSCM 810.2(c)]: | | | | | | |
| | DATA FOR 3.66 M WIDE CARRIAGEWAY (AVE. SQ.M) | 9.74 | | | | | |
| | PAINTER (SK/A) | 1.50 | DAY | B0-001 | 4,650.00 | | |
| | LABOUR (U/SK) | 1.50 | DAY | B0-004 | 3,375.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 200.63 | | |
| | ALLOW FOR BARRICADING | 1.00 | ITEM | B0-704 | 1,100.00 | | |
| | ROAD MARKING PAINT(YELLOW) - @ RATE OF 6.5 SQ.M/LITRE | 1.50 | LTR | B0-547 | 2,837.56 | | |
| | | | | | 12,163.19 | | |
| | COST PER 3.66 M | | | | 12,163.19 | | |
| | RATE PER 1 M | | | MS1-052 | 3,323.28 | | |
| | | | | SAY | 3,323.30 | 2,192.62 | 1,130.68 |
| MS1-053 | ERECTING, BARRICADING IN JUNGLE TIMBER 75 - 100 MM DIA. VERTICAL POSTS AT .9 M CENTRES AND 1.2 M ABOVE GROUND INCLUDING WHITE WASHING.[SSCM 1709]: | | | | | | |
| | DATA FOR 3.66 LINEAR METRES | | | | | | |
| | LABOUR U/SK | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 28.13 | | |
| | TIMBER POST, HORIZ, ETC. | 0.92 | ITEM | B0-762 | 2,013.00 | | |
| | ALLOW FOR WHITE WASHING TIMBER | 0.92 | ITEM | B0-792 | 85.78 | | |
| | | | | | 3,251.91 | | |
| | COST PER 3.66 M | | | | 3,251.91 | | |
| | RATE PER 1 M | | | MS1-053 | 888.50 | | |
| | | | | SAY | 888.50 | 307.38 | 581.12 |
| MS1-054 | TEMPORARY SCAFFOLDING FOR PAINTING OR TARRING BRIDGES AND FOR WEEDING ON BRIDGES OR RETAINING WALL INCLUDING DISMANTLING AFTER WORK.[SSCM 1008.3(a)]: | | | | | | |
| | DATA FOR 93 SQ.M | | | | | | |
| | LABOUR (S/SK) | 6.00 | DAYS | B0-003 | 13,800.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 345.00 | | |
| | ALLOW FOR COIR STRING (SCAFF.) | 1.00 | ITEM | B0-717 | 440.00 | | |
| | ALLOW FOR COIR ROPE | 1.00 | ITEM | B0-715 | 550.00 | | |
| | ALLOW FOR TIMBER PLANKS/BAMBOO | 1.00 | ITEM | B0-761 | 1,430.00 | | |
| | | | | | 16,565.00 | | |
| | COST PER 93 SQ.M | | | | 16,565.00 | | |
| | RATE PER 1 SQ.MM | | | MS1-054 | 178.12 | | |
| | | | | SAY | 178.10 | 148.39 | 29.71 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|--------------|--------------|--------------|
| MS1-055 | ROUGHNING EXISTING SMOOTH TARRED METALLED CARRIAGEWAY BY HAND FOR BONDING, COLLECTING DISPOSAL OF ALL LOOSE MATERIALS.[SSCM 403.3(b)]: | | | | | | |
| | DATE FOR 93 SQ.M | | | | | | |
| | LABOUR S/SK | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 57.50 | | |
| | | | | | 2,357.50 | | |
| | COST PER 93 SQ.M | | | | 2,357.50 | | |
| | RATE PER 1 SQ.M | | | MS1-055 | 25.35 | | |
| | | | | SAY | 25.35 | 24.73 | 0.62 |
| MS1-056 | SUPPLY OF DIESEL FOR MACHINERIES: (EX-FILLING STATION) DIESEL | 1.00 | LTR. | B0-612 | 363.00 | | |
| | RATE PER 1 LTR | | | MS1-056 | 363.00 | | |
| | | | | SAY | 363.00 | 0.00 | 363.00 |
| MS1-057 | PATCHING ROAD WITH PREMIX (LOOSE VOLUME) AFTER PREP. SURFACE WITH EMULSION(CSS-1) AT .75 LTR/SQ.M AS TACK COAT, INCLUDING INTERNAL TRANSPORT AND HAND STAMPING, (SUPPLY OF PREMIX(LOOSE VOL.) PAID SEPARATELY) [SSCM 1102.3(b)(i)]: | | | | | | |
| | DATA FOR 2.83 CU.M(LOOSE VOLUME) | | | | | | |
| | LABOUR (U/SK) - (PREP.SUR.) | 0.50 | DAY | B0-004 | 1,125.00 | | |
| | LABOUR (U/SK) - (MANUAL TRANS.) | 3.00 | DAYS | B0-004 | 6,750.00 | | |
| | LABOUR (S/SK) - (APPLYING EMULS.) | 0.50 | DAY | B0-003 | 1,150.00 | | |
| | LABOUR (S/SK) - (STAMPING PREMIX) | 3.00 | DAYS | B0-003 | 6,900.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 263.70 | | |
| | EMULSION(CSS-1) FOR TACK COAT | 22.50 | LTR | B0-352 | 3,352.50 | | |
| | TRACTOR & TRAILER | 0.50 | DAY | B0-117 | 5,342.45 | | |
| | | | | | 24,883.65 | | |
| | COST PER 2.83 CU.M | | | | 24,883.65 | | |
| | RATE PER 1 CU.M | | | MS1-057 | 8,792.81 | | |
| | | | | SAY | 8,792.80 | 5,627.21 | 3,165.59 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|------|------------|--------------|--------------|--------------|
| MS1-058 | PATCHING ROAD WITH PREMIX AFTER PREPARING SURFACE WITH EMULSION(CSS-1) AT .75 LTR/SQ.M AS TACK COAT, INCLUDING INTERNAL TRANSPORT AND TAMPING WITH MACHINE.(SUPPLY OF PREMIX PAID SEPARATELY) [SSCM 1102.3(b)(i)]: | | | | | | |
| | DATA FOR 7.0 M.TONS | | | | | | |
| | (ASSUMED 1 CU.M OF PREMIX(LOOSE) = 1.48 M.TONS) | | | | | | |
| | LABOUR (SK/A) - (CHARGE HAND) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | LABOUR (S/SK) | 3.00 | DAYS | B0-003 | 6,900.00 | | |
| | LABOUR (U/SK) | 11.00 | DAYS | B0-004 | 24,750.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 868.75 | | |
| | EMULSION (CSS-1) | 51.64 | LTR | B0-352 | 7,694.91 | | |
| | MACHINE TAMPER | 1.00 | DAY | B0-108 | 4,046.99 | | |
| | LABOUR (SK/B) (TAMPER OPERATOR) | 1.00 | DAY | B0-002 | 2,800.00 | | |
| | TRACTOR & TRAILER | 1.00 | DAY | B0-117 | 10,684.90 | | |
| | | | | | 60,845.55 | | |
| | COST PER 7 M.T | | | | 60,845.55 | | |
| | RATE PER 1 M.T | | | MS1-058 | 8,692.22 | | |
| | | | | SAY | 8,692.20 | 5,364.29 | 3,327.91 |
| MS1-059 | PAINTING TWO COATS ENAMEL PAINT ON KERBS, AFTER CLEANING AND PREPARING SURFACE. | | | | | | |
| | DATA FOR 9.29 SQ.M | | | | | | |
| | PAINTER - SK'B' | 0.82 | DAY | B0-002 | 2,296.00 | | |
| | LABOUR - U/SK FOR CLEANING | 0.35 | DAY | B0-004 | 787.50 | | |
| | ALLOW 2.5% OF LABOUR FOR TOOLS | | | | 77.09 | | |
| | ENAMEL PAINT (.77+.55) | 1.32 | LTR | B0-541 | 1,930.37 | | |
| | | | | | 5,090.96 | | |
| | COST FOR 9.29 SQ.M | | | | 5,090.96 | | |
| | RATE PER 1 SQ.M | | | MS1-059 | 548.00 | | |
| | | | | SAY | 548.00 | 331.92 | 216.08 |
| MS1-060 | PREPARING AND STOCK PILING PREMIX AT SITE USING 12.5 MM AGGREGATE AND EMULSION CSS-1 (EXCLUDING TRANSPORT OF AGGREGATE): | | | | | | |
| | DATA FOR 2.83 CU.M | | | | | | |
| | LABOUR - S/SK | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | LABOUR - U/SK | 4.00 | DAY | B0-004 | 9,000.00 | | |
| | ALLOW 2.5% OF LABOUR FOR TOOLS | | | | 282.50 | | |
| | EMULSION CSS-1 | 250.00 | LTR | B0-352 | 37,250.00 | | |
| | WATER | 137.00 | LTR | B0-788 | 3,767.50 | | |
| | AGGREGATE 12.5 MM | 1.81 | CU.M | B0-309 | 5,340.32 | | |
| | SAND | 1.22 | CU.M | B0-331 | 4,874.11 | | |
| | BASKET | 0.67 | NO. | B0-631 | 201.00 | | |
| | | | | | 63,015.42 | | |
| | COST FOR 2.83 CU.M | | | | 63,015.42 | | |
| | RATE PER 1 CU.M | | | MS1-060 | 22,266.93 | | |
| | | | | SAY | 22,266.95 | 3,992.93 | 18,274.02 |

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| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|--|----------|--------|------------|--------------|--------------|--------------|
| MS1-061 | BREAKING MANUALLY ASPHALT LAYER 2" - 3" THICK ON THE CARRIAGEWAY FOR KERB LAYING | | | | | | |
| | DATA FOR LENGTH OF | 12.00 | METERS | | | | |
| | LABOUR - U/SK FOR BREAKING ASPHALT | 3.00 | DAY | B0-003 | 6,900.00 | | |
| | LABOUR - SK'A' BLACK SMITH FOR SHARPENING | 0.13 | DAY | B0-001 | 387.50 | | |
| | ALLOW 2.5% OF LABOUR FOR TOOLS | | | | 182.19 | | |
| | | | | | 7,469.69 | | |
| | COST FOR 12 M LENGTH | | | | 7,469.69 | | |
| | RATE PER 1 METER | | | MS1-061 | 622.47 | | |
| | | | | SAY | 622.45 | 607.29 | 15.16 |
| MS1-062 | CUTTING AND REMOVING TREES 300-600MM GIRTH INCLUDING DISPOSAL AS DIRECTED | | | | | | |
| | DATA FOR 1 NOS | | | | | | |
| | LABOUR - SK'B' | 0.06 | DAY | B0-002 | 175.00 | | |
| | LABOUR - U/SK | 0.19 | DAY | B0-004 | 421.88 | | |
| | BACK-HOE LOADER | 0.06 | DAY | B0-115 | 2,157.17 | | |
| | TIPPER (1 CUBE) | 0.06 | DAY | B0-118 | 3.47 | | |
| | CHAINSAW (WITHOUT OPERATOR) | 1.00 | DAY | B0-160 | 3,500.00 | | |
| | GAZOLINE | 1.00 | LTR | B0-613 | 371.00 | | |
| | ALLOW FOR 2T OIL (50 RS. FOR 1 LTR OF GAZOLINE) | | | | 50.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 14.92 | | |
| | | | | | 6,693.43 | | |
| | RATE PER 1 NOS | | | MS1-062 | 6,693.43 | | |
| | | | | SAY | 6,693.45 | 596.88 | 6,096.58 |
| MS1-063 | CUTTING AND REMOVING TREES 600-1200MM GIRTH INCLUDING DISPOSAL AS DIRECTED | | | | | | |
| | DATA FOR 1 NOS | | | | | | |
| | LABOUR - SK'B' | 0.13 | DAY | B0-002 | 350.00 | | |
| | LABOUR - U/SK | 0.25 | DAY | B0-004 | 562.50 | | |
| | BACK-HOE LOADER | 0.09 | DAY | B0-115 | 3,235.75 | | |
| | TIPPER (1 CUBE) | 0.09 | DAY | B0-118 | 5.21 | | |
| | CHAINSAW (WITHOUT OPERATOR) | 1.00 | DAY | B0-160 | 3,500.00 | | |
| | GAZOLINE | 1.00 | LTR | B0-613 | 371.00 | | |
| | ALLOW FOR 2T OIL (50 RS. FOR 1 LTR OF GAZOLINE) | | | | 50.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 22.81 | | |
| | | | | | 8,097.27 | | |
| | RATE PER 1 NOS | | | MS1-063 | 8,097.27 | | |
| | | | | SAY | 8,097.25 | 912.50 | 7,184.75 |
| MS1-064 | CUTTING AND REMOVING TREES 1200-2000MM GIRTH INCLUDING DISPOSAL AS DIRECTED | | | | | | |
| | DATA FOR 1 NOS | | | | | | |
| | LABOUR - SK'B' | 0.19 | DAY | B0-002 | 525.00 | | |
| | LABOUR - U/SK | 0.38 | DAY | B0-004 | 843.75 | | |
| | BACK-HOE LOADER | 0.13 | DAY | B0-115 | 4,314.33 | | |
| | TIPPER (1 CUBE) | 0.13 | DAY | B0-118 | 6.94 | | |
| | CHAINSAW (WITHOUT OPERATOR) | 1.00 | DAY | B0-160 | 3,500.00 | | |
| | GAZOLINE | 1.00 | LTR | B0-613 | 371.00 | | |
| | ALLOW FOR 2T OIL (50 RS. FOR 1 LTR OF GAZOLINE) | | | | 50.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 34.22 | | |
| | | | | | 9,645.24 | | |
| | RATE PER 1 NOS | | | MS1-064 | 9,645.24 | | |
| | | | | SAY | 9,645.25 | 1,368.75 | 8,276.50 |
| MS1-065 | CUTTING AND REMOVING TREES OVER 2000MM GIRTH INCLUDING DISPOSAL AS DIRECTED | | | | | | |
| | DATA FOR 1 NOS | | | | | | |
| | LABOUR - SK'B' | 0.75 | DAY | B0-002 | 2,100.00 | | |
| | LABOUR - U/SK | 0.75 | DAY | B0-004 | 1,687.50 | | |
| | BACK-HOE LOADER | 0.38 | DAY | B0-115 | 12,942.99 | | |
| | LORRY 17 TON SELF LOADING, WITH 10T CRANE - BOOM TRUCK (WET) | 1.00 | HOUR | B0-151A | 5,260.43 | | |
| | CHAINSAW (WITHOUT OPERATOR) | 1.00 | DAY | B0-160 | 3,500.00 | | |
| | GAZOLINE | 1.00 | LTR | B0-613 | 371.00 | | |
| | ALLOW FOR 2T OIL (50 RS. FOR 1 LTR OF GAZOLINE) | | | | 50.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 94.69 | | |
| | | | | | 26,006.61 | | |
| | RATE PER 1 NOS | | | MS1-065 | 26,006.61 | | |
| | | | | SAY | 26,006.60 | 3,787.50 | 22,219.10 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|--------------|--------------|--------------|
| MS1-066 | CUTTING AND REMOVING OF OVERHANGING BRANCHES 300-600MM GIRTH INCLUDING DISPOSAL AS DIRECTED | | | | | | |
| | DATA FOR 1 NOS | | | | | | |
| | LABOUR - SK'B' | 0.25 | DAY | B0-002 | 700.00 | | |
| | LABOUR - U/SK | 0.25 | DAY | B0-004 | 562.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 31.56 | | |
| | | | | | ----- | | |
| | | | | | 1,294.06 | | |
| | RATE PER 1 NOS | | | MS1-066 | 1,294.06 | | |
| | | | | | ===== | | |
| | | | | SAY | 1,294.05 | 1,262.50 | 31.55 |
| MS1-067 | CUTTING AND REMOVING OF OVERHANGING BRANCHES 600-1200MM GIRTH INCLUDING DISPOSAL AS DIRECTED | | | | | | |
| | DATA FOR 1 NOS | | | | | | |
| | LABOUR - SK'B' | 0.38 | DAY | B0-002 | 1,050.00 | | |
| | LABOUR - U/SK | 1.50 | DAYS | B0-004 | 3,375.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 110.63 | | |
| | | | | | ----- | | |
| | | | | | 4,535.63 | | |
| | RATE PER 1 NOS | | | MS1-067 | 4,535.63 | | |
| | | | | | ===== | | |
| | | | | SAY | 4,535.65 | 4,425.00 | 110.65 |
| MS1-068 | CUTTING AND REMOVING OF OVERHANGING BRANCHES OVER 1200MM GIRTH INCLUDING DISPOSAL AS DIRECTED | | | | | | |
| | DATA FOR 1 NOS | | | | | | |
| | LABOUR - SK'B' | 0.50 | DAY | B0-002 | 1,400.00 | | |
| | LABOUR - U/SK | 2.00 | DAYS | B0-004 | 4,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 147.50 | | |
| | | | | | ----- | | |
| | | | | | 6,047.50 | | |
| | RATE PER 1 NOS | | | MS1-068 | 6,047.50 | | |
| | | | | | ===== | | |
| | | | | SAY | 6,047.50 | 5,900.00 | 147.50 |
| MS1-069 | REMOVING OF STUMPS 300-600MM GIRTH INCLUDING DISPOSAL AS DIRECTED | | | | | | |
| | DATA FOR 1 NOS | | | | | | |
| | LABOUR - U/SK | 0.06 | DAYS | B0-004 | 140.63 | | |
| | BACK-HOE LOADER | 0.13 | DAY | B0-115 | 4,314.33 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 3.52 | | |
| | | | | | ----- | | |
| | | | | | 4,458.47 | | |
| | RATE PER 1 NOS | | | MS1-069 | 4,458.47 | | |
| | | | | | ===== | | |
| | | | | SAY | 4,458.45 | 140.63 | 4,317.83 |
| MS1-070 | REMOVING OF STUMPS 600-1200MM GIRTH INCLUDING DISPOSAL AS DIRECTED | | | | | | |
| | DATA FOR 1 NOS | | | | | | |
| | LABOUR - U/SK | 0.06 | DAYS | B0-004 | 140.63 | | |
| | BACK-HOE LOADER | 0.19 | DAY | B0-115 | 6,471.50 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 3.52 | | |
| | | | | | ----- | | |
| | | | | | 6,615.64 | | |
| | RATE PER 1 NOS | | | MS1-070 | 6,615.64 | | |
| | | | | | ===== | | |
| | | | | SAY | 6,615.65 | 140.63 | 6,475.03 |
| MS1-071 | REMOVING STRINGS OF BARBED WIRE FENCE | | | | | | |
| | PER 30 LM WTH 10 STRINGS | | | | | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 56.25 | | |
| | | | | | ----- | | |
| | RATE PER 30 LM | | | | 2,306.25 | | |
| | RATE PER 1 LM OF 1 STRING | | | MS1-071 | 7.69 | | |
| | | | | | ===== | | |
| | | | | SAY | 7.70 | 7.50 | 0.20 |

* * *

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|--|---|----------|------|------------|--------------|--------------|--------------|
| SECTION XIV | | | | | | | |
| SURVEYING, LEVELLING AND DAYWORKS | | | | | | | |
| SV1-001 | SUPPLY OF UNSKILLED LABOUR: | | | | | | |
| | LABOUR (U/SK) | 1.00 | DAY | B0-004 | 2,250.00 | | |
| | RATE PER 1 DAY | | | SV1-001 | 2,250.00 | | |
| | | | | SAY | 2,250.00 | 2,250.00 | 0.00 |
| SV1-002 | SUPPLY OF SEMISKILLED LABOUR: | | | | | | |
| | LABOUR (S/SK) | 1.00 | DAY | B0-003 | 2,300.00 | | |
| | RATE PER 1 DAY | | | SV1-002 | 2,300.00 | | |
| | | | | SAY | 2,300.00 | 2,300.00 | 0.00 |
| SV1-003 | SUPPLY OF SKILLED 'A' GRADE LABOUR: | | | | | | |
| | LABOUR (SK/A) | 1.00 | DAY | B0-001 | 3,100.00 | | |
| | RATE PER 1 DAY | | | SV1-003 | 3,100.00 | | |
| | | | | SAY | 3,100.00 | 3,100.00 | 0.00 |
| SV1-004 | SUPPLY OF SKILLED 'B' GRADE LABOUR: | | | | | | |
| | LABOUR (SK/A) | 1.00 | DAY | B0-002 | 2,800.00 | | |
| | RATE PER 1 DAY | | | SV1-004 | 2,800.00 | | |
| | | | | SAY | 2,800.00 | 2,800.00 | 0.00 |
| SV1-005 | CLEARING JUNGLE (LIGHT) TO A WIDTH OF 1.22 METRES FOR SURVEY WORK: | | | | | | |
| | DATA FOR 1.61 KILO METRES | | | | | | |
| | LABOUR (U/SK) | 6.00 | DAYS | B0-004 | 13,500.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 337.50 | | |
| | | | | | 13,837.50 | | |
| | TOTAL COST PER 1.61 KM | | | | 13,837.50 | | |
| | RATE PER 1 KILO METRE | | | SV1-005 | 8,594.72 | | |
| | | | | SAY | 8,594.70 | 8,385.09 | 209.61 |
| SV1-006 | CLEARING JUNGLE (MEDIUM) TO A WIDTH OF 1.22 METRES FOR SURVEY WORK: | | | | | | |
| | DATA FOR 1.61 KILO METRES | | | | | | |
| | LABOUR (U/SK) | 8.00 | DAYS | B0-004 | 18,000.00 | | |
| | ALLOW 2.5% ON LABOUR FOR TOOLS | | | | 450.00 | | |
| | | | | | 18,450.00 | | |
| | TOTAL COST PER 1.61 KM | | | | 18,450.00 | | |
| | RATE PER 1 KILO METRE | | | SV1-006 | 11,459.63 | | |
| | | | | SAY | 11,459.65 | 11,180.12 | 279.53 |

HIGHWAY SCHEDULE OF RATES - ANALYSIS 2024
BADULLA DISTRICT

| CODE | DESCRIPTION OF ITEM | QUANTITY | UNIT | PRICE CODE | AMOUNT (Rs.) | LABOUR INPUT | OTHER INPUTS |
|---------|---|----------|------|------------|---|--------------|--------------|
| SV1-007 | CLEARING JUNGLE (HEAVY) TO A WIDTH OF 1.22 METRES FOR SURVEY WORK: DATA FOR 1.61 KILO METRES ----- LABOUR (U/SK) ALLOW 2.5% ON LABOUR FOR TOOLS | 12.00 | DAYS | B0-004 | 27,000.00 675.00 ----- 27,675.00 | | |
| | TOTAL COST PER 1.61 KM | | | | 27,675.00 | | |
| | RATE PER 1 KILO METRE | | | SV1-007 | 17,189.44 ===== | | |
| | | | | SAY | 17,189.45 | 16,770.19 | 419.26 |
| SV1-008 | SUPPLY OF LABOUR FOR CHAINING AND CUTTING PEGS AND PEGGING: DATA FOR 1.61 KILO METRES ----- LABOUR (S/SK) ALLOW 2.5% ON LABOUR FOR TOOLS | 1.50 | DAYS | B0-003 | 3,450.00 86.25 ----- 3,536.25 | | |
| | TOTAL COST PER 1.61 KM | | | | 3,536.25 | | |
| | RATE PER 1 KILO METRE | | | SV1-008 | 2,196.43 ===== | | |
| | | | | SAY | 2,196.45 | 2,142.86 | 53.59 |
| SV1-009 | LEVELLING CHAINING AND PEGGING AND ESTABLISHING BENCH MARKS ON CONCRETE ROCK OR PEGS AND CHECKING BACK LEVELS: DATA FOR 1.61 KILO METRES ----- LABOUR (S/SK) ALLOW 2.5% ON LABOUR FOR TOOLS | 3.00 | DAYS | B0-003 | 6,900.00 172.50 ----- 7,072.50 | | |
| | TOTAL COST PER 1.61 KM | | | | 7,072.50 | | |
| | RATE PER 1 KILO METRE | | | SV1-009 | 4,392.86 ===== | | |
| | | | | SAY | 4,392.85 | 4,285.71 | 107.14 |
| SV1-010 | SURVEYING INCLUDING FIXING PICKETS & TAKING ANGLES: DATA FOR 1.61 KILO METRES ----- LABOUR (S/SK) ALLOW 2.5% ON LABOUR FOR TOOLS | 3.00 | DAYS | B0-003 | 6,900.00 172.50 ----- 7,072.50 | | |
| | TOTAL COST PER 1.61 KM | | | | 7,072.50 | | |
| | RATE PER 1 KILO METRE | | | SV1-010 | 4,392.86 ===== | | |
| | | | | SAY | 4,392.85 | 4,285.71 | 107.14 |
| SV1-011 | CHANGING TRAVERSE LINES AND TAKING OFF-SETS: DATA FOR 1.61 KILO METRES ----- LABOUR (S/SK) ALLOW 2.5% ON LABOUR FOR TOOLS | 4.00 | DAYS | B0-003 | 9,200.00 230.00 ----- 9,430.00 | | |
| | TOTAL COST PER 1.61 KM | | | | 9,430.00 | | |
| | RATE PER 1 KILO METRE | | | SV1-011 | 5,857.14 ===== | | |
| | | | | SAY | 5,857.15 | 5,714.29 | 142.86 |

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**EX-PLANT BASIC PRICES OF ASPHALT CONCRETE MATERIALS PRODUCED AT MIXING PLANTS
LOCATED IN THE DISTRICTS : HSR-2024**

- NOTE:** 1. TRANSPORT COST OF ALL RAW MATERIALS AND ROYALTY INCLUDED IN THE GIVEN PRICES.
2. PRICES FROM THE ASPHALT CONCRETE MIXING PLANT CLOSEST TO THE WORK SITE, WHICH IS ABLE TO SUPPLY THE REQUIRED TYPE (HOT/COLD) SHALL BE CONSIDERED.
3. ADD PREMIX TRANSPORT FROM MIXING PLANT TO THE WORK SITE, SEPARATELY
4. BINDER % OF B0-361A, B0-362, B0-362A AND B0-365 ARE BY TOTAL MIX WEIGHT AND BINDER % OF B0-366 IS BY TOTAL WEIGHT OF AGGREGATE

| | | | PRICE : EX-PLANT COST RS. PER M.Ton | | | | | | | | | | | |
|------------------|-----------|----------|-------------------------------------|-----------|----------|-----------|----------|-----------|----------|-----------|----------|-----------|------------|-----------|
| DISTRICT | | | COLOMBO | | GAMPAHA | | KALUTARA | | GALLE | | MATARA | | HAMBANTOTA | |
| LOCATION | | | | | | | | | | | | | | |
| CODE | AGG. SIZE | UNIT | % BINDER | PRICE | % BINDER | PRICE | % BINDER | PRICE | % BINDER | PRICE | % BINDER | PRICE | % BINDER | PRICE |
| B0-361 | 19 mm | PER M.T. | - | NIL | - | NIL | - | NIL | - | NIL | - | NIL | - | NIL |
| B0-361A | 19 mm | PER M.T. | 4.70 | 16,818.00 | 4.70 | 17,131.00 | 4.70 | 17,087.00 | 4.70 | 17,930.00 | 4.70 | 17,632.00 | 4.70 | 17,190.00 |
| B0-361B | 19 mm | PER M.T. | - | 8,153.00 | - | 8,430.00 | - | 8,359.00 | - | 8,597.00 | - | 8,271.00 | - | 7,741.00 |
| B0-362 | 37.5 mm | PER M.T. | 3.40 | 14,458.00 | 3.40 | 14,744.00 | 3.40 | 14,693.00 | 3.40 | 15,496.00 | 3.40 | 15,133.00 | 3.40 | 14,694.00 |
| B0-362A | 19 mm | PER M.T. | 4.10 | 15,706.00 | 4.10 | 16,028.00 | 4.10 | 15,993.00 | 4.10 | 16,792.00 | 4.10 | 16,465.00 | 4.10 | 16,068.00 |
| B0-362B | 19 mm | PER M.T. | - | 8,136.00 | - | 8,429.00 | - | 8,373.00 | - | 8,995.00 | - | 8,609.00 | - | 8,104.00 |
| B0-365 * | 19 mm | PER M.T. | 5.50 | 18,934.00 | 5.50 | 19,250.00 | 5.50 | 19,220.00 | 5.50 | 20,013.00 | 5.50 | 19,704.00 | 5.50 | 19,351.00 |
| B0-365A** | 19 mm | PER M.T. | 5.50 | 19,055.00 | 5.50 | 19,349.00 | 5.50 | 19,297.00 | 5.50 | 20,126.00 | 5.50 | 19,865.00 | 5.50 | 19,335.00 |
| B0-366*** | 19 mm | PER M.T. | 6.67 | 13,907.00 | 6.67 | 13,732.00 | 6.67 | 13,475.00 | 6.67 | 14,582.00 | 6.67 | 14,247.00 | 6.67 | 13,737.00 |
| B0-366A | 19 mm | PER M.T. | 5.90 | 13,661.00 | 5.90 | 13,906.00 | 5.90 | 13,797.00 | 5.90 | 14,421.00 | 5.90 | 14,120.00 | 5.90 | 13,519.00 |

* Binder for B0-365 is 15% cut-back with Bitumen 60/70 penetration grade; 19mm Aggregate

** Binder for B0-365A is 16% cut-back with Bitumen 60/70 penetration grade; 12.5 Aggregate

*** Binder for B0-366 is Emulsion CSS-1

ANNEX I

**EX-PLANT BASIC PRICES OF ASPHALT CONCRETE MATERIALS PRODUCED AT MIXING PLANTS
LOCATED IN THE DISTRICTS : HSR-2024**

- NOTE:** 1. TRANSPORT COST OF ALL RAW MATERIALS AND ROYALTY INCLUDED IN THE GIVEN PRICES.
 2. PRICES FROM THE ASPHALT CONCRETE MIXING PLANT CLOSEST TO THE WORK SITE, WHICH IS ABLE TO SUPPLY THE REQUIRED TYPE (HOT/COLD) SHALL BE CONSIDERED.
 3. ADD PREMIX TRANSPORT FROM MIXING PLANT TO THE WORK SITE, SEPARATELY
 4. BINDER % OF B0-361A, B0-362, B0-362A AND B0-365 ARE BY TOTAL MIX WEIGHT AND BINDER % OF B0-366 IS BY TOTAL WEIGHT OF AGGREGATE

| PRICE : EX-PLANT COST RS. PER M.Ton | | | | | | | | | | | | | | | | |
|-------------------------------------|-----------|----------|----------|-----------|----------|-----------|------------|-----------|------------|-----------|----------|-----------|------------|-----------|----------|-----------|
| DISTRICT | | | KANDY | | MATHALE | | NUWARAEIYA | | KURUNEGALA | | PUTLAM | | MONARAGALA | | BADULLA | |
| LOCATION | | | | | | | | | | | | | | | | |
| CODE | AGG. SIZE | UNIT | % BINDER | PRICE | % BINDER | PRICE | % BINDER | PRICE | % BINDER | PRICE | % BINDER | PRICE | % BINDER | PRICE | % BINDER | PRICE |
| B0-361 | 19 mm | PER M.T. | - | NIL | - | NIL | - | NIL | - | NIL | - | NIL | - | NIL | - | NIL |
| B0-361A | 19 mm | PER M.T. | 4.70 | 17,359.00 | 4.70 | 17,425.00 | 4.70 | 17,673.00 | 4.70 | 15,172.00 | 4.70 | 16,849.00 | 4.70 | 17,219.00 | 4.70 | 17,061.00 |
| B0-361B | 19 mm | PER M.T. | - | 8,503.00 | - | 8,499.00 | - | 8,704.00 | - | 6,330.00 | - | 7,951.00 | - | 8,050.00 | - | 7,959.00 |
| B0-362 | 37.5 mm | PER M.T. | 3.40 | 15,005.00 | 3.40 | 15,033.00 | 3.40 | 15,254.00 | 3.40 | 14,961.00 | 3.40 | 15,116.00 | 3.40 | 14,779.00 | 3.40 | 14,588.00 |
| B0-362A | 19 mm | PER M.T. | 4.10 | 16,303.00 | 4.10 | 16,385.00 | 4.10 | 16,574.00 | 4.10 | 16,264.00 | 4.10 | 16,350.00 | 4.10 | 16,127.00 | 4.10 | 16,006.00 |
| B0-362B | 19 mm | PER M.T. | - | 8,580.00 | - | 8,602.00 | - | 8,747.00 | - | 8,559.00 | - | 8,578.00 | - | 8,163.00 | - | 8,094.00 |
| B0-365 * | 19 mm | PER M.T. | 5.50 | 19,543.00 | 5.50 | 19,634.00 | 5.50 | 19,814.00 | 5.50 | 19,499.00 | 5.50 | 19,586.00 | 5.50 | 19,413.00 | 5.50 | 19,292.00 |
| B0-365A** | 19 mm | PER M.T. | 5.50 | 19,485.00 | 5.50 | 19,531.00 | 5.50 | 19,899.00 | 5.50 | 19,541.00 | 5.50 | 19,694.00 | 5.50 | 19,386.00 | 5.50 | 19,222.00 |
| B0-366*** | 19 mm | PER M.T. | 6.67 | 13,846.00 | 6.67 | 14,170.00 | 6.67 | 14,306.00 | 6.67 | 14,155.00 | 6.67 | 14,204.00 | 6.67 | 13,742.00 | 6.67 | 13,643.00 |
| B0-366A | 19 mm | PER M.T. | 5.90 | 13,864.00 | 5.90 | 13,862.00 | 5.90 | 14,147.00 | 5.90 | 13,934.00 | 5.90 | 13,982.00 | 5.90 | 13,504.00 | 5.90 | 13,422.00 |

* Binder for B0-365 is 15% cut-back with Bitumen 60/70 penetration grade; 19mm Aggregate

** Binder for B0-365A is 16% cut-back with Bitumen 60/70 penetration grade; 12.5 Aggregate

*** Binder for B0-366 is Emulsion CSS-1

ANNEX I

**EX-PLANT BASIC PRICES OF ASPHALT CONCRETE MATERIALS PRODUCED AT MIXING PLANTS
LOCATED IN THE DISTRICTS : HSR-2024**

- NOTE:**
1. TRANSPORT COST OF ALL RAW MATERIALS AND ROYALTY INCLUDED IN THE GIVEN PRICES.
 2. PRICES FROM THE ASPHALT CONCRETE MIXING PLANT CLOSEST TO THE WORK SITE, WHICH IS ABLE TO SUPPLY THE REQUIRED TYPE (HOT/COLD) SHALL BE CONSIDERED.
 3. ADD PREMIX TRANSPORT FROM MIXING PLANT TO THE WORK SITE, SEPARATELY
 4. BINDER % OF B0-361A, B0-362, B0-362A AND B0-365 ARE BY TOTAL MIX WEIGHT AND BINDER % OF B0-366 IS BY TOTAL WEIGHT OF AGGREGATE

| | | PRICE : EX-PLANT COST RS. PER M.Ton | | | | | | | | | | | | | | |
|------------------|-----------|-------------------------------------|--------------|-----------|-------------|-----------|------------|-----------|----------|-----------|--------------|-----------|------------|-----------|----------|-----------|
| DISTRICT | | | ANURADHAPURA | | POLONNARUWA | | RATHNAPURA | | KEGALLE | | TRINCOMALLEE | | BATTICALOA | | AMPARA | |
| LOCATION | | | | | | | | | | | | | | | | |
| CODE | AGG. SIZE | UNIT | % BINDER | PRICE | % BINDER | PRICE | % BINDER | PRICE | % BINDER | PRICE | % BINDER | PRICE | % BINDER | PRICE | % BINDER | PRICE |
| B0-361 | 19 mm | PER M.T. | - | NIL | - | NIL | - | NIL | - | NIL | - | NIL | - | NIL | - | NIL |
| B0-361A | 19 mm | PER M.T. | 4.70 | 17,599.00 | 4.70 | 17,618.00 | 4.70 | 17,597.00 | 4.70 | 17,280.00 | 4.70 | 17,385.00 | 4.70 | 18,890.00 | 4.70 | 17,663.00 |
| B0-361B | 19 mm | PER M.T. | - | 8,582.00 | - | 8,560.00 | - | 8,773.00 | - | 8,477.00 | - | 8,157.00 | - | 9,580.00 | - | 8,407.00 |
| B0-362 | 37.5 mm | PER M.T. | 3.40 | 15,089.00 | 3.40 | 15,157.00 | 3.40 | 15,253.00 | 3.40 | 14,891.00 | 3.40 | 14,888.00 | 3.40 | 16,424.00 | 3.40 | 15,169.00 |
| B0-362A | 19 mm | PER M.T. | 4.10 | 16,511.00 | 4.10 | 16,528.00 | 4.10 | 16,511.00 | 4.10 | 16,217.00 | 4.10 | 16,330.00 | 4.10 | 17,804.00 | 4.10 | 16,564.00 |
| B0-362B | 19 mm | PER M.T. | - | 8,631.00 | - | 8,637.00 | - | 8,815.00 | - | 8,517.00 | - | 8,311.00 | - | 9,702.00 | - | 8,501.00 |
| B0-365 * | 19 mm | PER M.T. | 5.50 | 19,819.00 | 5.50 | 19,783.00 | 5.50 | 19,732.00 | 5.50 | 19,454.00 | 5.50 | 19,619.00 | 5.50 | 21,045.00 | 5.50 | 19,846.00 |
| B0-365A** | 19 mm | PER M.T. | 5.50 | 19,750.00 | 5.50 | 19,779.00 | 5.50 | 19,819.00 | 5.50 | 19,519.00 | 5.50 | 19,558.00 | 5.50 | 21,038.00 | 5.50 | 19,796.00 |
| B0-366*** | 19 mm | PER M.T. | 6.67 | 14,192.00 | 6.67 | 14,236.00 | 6.67 | 14,370.00 | 6.67 | 14,092.00 | 6.67 | 13,830.00 | 6.67 | 15,100.00 | 6.67 | 14,052.00 |
| B0-366A | 19 mm | PER M.T. | 5.90 | 14,018.00 | 5.90 | 13,988.00 | 5.90 | 14,186.00 | 5.90 | 13,963.00 | 5.90 | 13,664.00 | 5.90 | 14,918.00 | 5.90 | 13,772.00 |

* Binder for B0-365 is 15% cut-back with Bitumen 60/70 penetration grade; 19mm Aggregate

** Binder for B0-365A is 16% cut-back with Bitumen 60/70 penetration grade; 12.5 Aggregate

*** Binder for B0-366 is Emulsion CSS-1

ANNEX I

**EX-PLANT BASIC PRICES OF ASPHALT CONCRETE MATERIALS PRODUCED AT MIXING PLANTS
LOCATED IN THE DISTRICTS : HSR-2024**

- NOTE:**
1. TRANSPORT COST OF ALL RAW MATERIALS AND ROYALTY INCLUDED IN THE GIVEN PRICES.
 2. PRICES FROM THE ASPHALT CONCRETE MIXING PLANT CLOSEST TO THE WORK SITE, WHICH IS ABLE TO SUPPLY THE REQUIRED TYPE (HOT/COLD) SHALL BE CONSIDERED.
 3. ADD PREMIX TRANSPORT FROM MIXING PLANT TO THE WORK SITE, SEPARATELY
 4. BINDER % OF B0-361A, B0-362, B0-362A AND B0-365 ARE BY TOTAL MIX WEIGHT AND BINDER % OF B0-366 IS BY TOTAL WEIGHT OF AGGREGATE

| | | PRICE : EX-PLANT COST RS. PER M.Ton | | | | | | | | | | | |
|------------------|-----------|-------------------------------------|----------|-----------|------------|-----------|------------|-----------|----------|-----------|----------|-----------|--|
| DISTRICT | | | MANNAR | | KILINOCCHI | | MULLAITIVU | | VAVUNIYA | | JAFFNA | | |
| LOCATION | | | | | | | | | | | | | |
| CODE | AGG. SIZE | UNIT | % BINDER | PRICE | % BINDER | PRICE | % BINDER | PRICE | % BINDER | PRICE | % BINDER | PRICE | |
| B0-361 | 19 mm | PER M.T. | - | | - | | - | | - | NIL | - | | |
| B0-361A | 19 mm | PER M.T. | 4.70 | 17,106.00 | 4.70 | 16,998.00 | 4.70 | 17,790.00 | 4.70 | 17,186.00 | 4.70 | 17,523.00 | |
| B0-361B | 19 mm | PER M.T. | - | 7,763.00 | - | 7,663.00 | - | 8,490.00 | - | 8,044.00 | - | 8,123.00 | |
| B0-362 | 37.5 mm | PER M.T. | 3.40 | 14,601.00 | 3.40 | 14,519.00 | 3.40 | 15,218.00 | 3.40 | 14,760.00 | 3.40 | 14,946.00 | |
| B0-362A | 19 mm | PER M.T. | 4.10 | 16,063.00 | 4.10 | 15,968.00 | 4.10 | 16,710.00 | 4.10 | 16,120.00 | 4.10 | 16,448.00 | |
| B0-362B | 19 mm | PER M.T. | - | 7,954.00 | - | 7,868.00 | - | 8,619.00 | - | 8,164.00 | - | 8,276.00 | |
| B0-365 * | 19 mm | PER M.T. | 5.50 | 19,379.00 | 5.50 | 19,288.00 | 5.50 | 19,992.00 | 5.50 | 19,406.00 | 5.50 | 19,756.00 | |
| B0-365A** | 19 mm | PER M.T. | 5.50 | 19,256.00 | 5.50 | 19,120.00 | 5.50 | 19,942.00 | 5.50 | 19,307.00 | 5.50 | 19,648.00 | |
| B0-366*** | 19 mm | PER M.T. | 6.67 | 13,486.00 | 6.67 | 13,388.00 | 6.67 | 14,126.00 | 6.67 | 13,736.00 | 6.67 | 13,752.00 | |
| B0-366A | 19 mm | PER M.T. | 5.90 | 13,309.00 | 5.90 | 13,166.00 | 5.90 | 13,917.00 | 5.90 | 13,436.00 | 5.90 | 13,458.00 | |

* Binder for B0-365 is 15% cut-back with Bitumen 60/70 penetration grade; 19mm Aggregate

** Binder for B0-365A is 16% cut-back with Bitumen 60/70 penetration grade; 12.5 Aggregate

*** Binder for B0-366 is Emulsion CSS-1

ANNEX I

**SPECIFICATIONS RELATED TO THE HSR ITEMS
HSR-2024**

1. EARTHWORKS:

a) Embankment Construction- SSCM section 304:

Type I material $MDD \geq 1600 \text{ kg/m}^3$

Type II material $MDD \geq 1500 \text{ kg/m}^3$

HSR items : EW1-011, EW1-014

b) Soil for road shoulders and gravel surfacing- SSCM section 409 & 601:

Table 1708-1

| Sieve size mm | Percentage passing |
|------------------|-----------------------|
| 37.5 | 100 |
| 20 | 77 -100 |
| 5 | 41 -100 |
| 2.36 | 30 - 80 |
| 0.6 | 18 - 50 |
| 0.075 | 05 - 25 |

Table 1708-2 - Consistency limits for road shoulder materials and gravel surfacings.

| Climatic Zone | LL | PI |
|---------------|------|--------|
| Wet zone | <55 | 4 -25 |
| Dry Zone | < 55 | 6 - 25 |

c) Sub Base :

CBR $\geq 20\%$

LL ≤ 40

PI ≤ 15

HSR items : EW1-001, EW1-013

2. Aggregates :

a) Single size aggregate bases - 50, 37.5, 19, & 12.5 mm - SSCM section 403 :

Table 1701-4

| Sieve Size mm | Percentage passing | | | |
|------------------|--------------------|----------|----------|----------|
| | Nominal size in mm | | | |
| | 50 | 37.5 | 19 | 12.5 |
| 63 | 100 | - | - | - |
| 50 | 85 - 100 | 100 | - | - |
| 37.5 | 0 - 30 | 85 - 100 | - | - |
| 28 | 0 - 7 | 0 - 30 | 100 | - |
| 20 | 0 - 2 | 0 - 7 | 85 - 100 | 100 |
| 14 | - | 0 - 2 | 0 - 35 | 85 - 100 |
| 10 | - | - | 0 - 7 | 0 - 35 |
| 5 | - | - | - | 0 - 5 |
| 2.36 | - | - | 0 - 2 | 0 - 2 |

AIV $\leq 30\%$

FI $\leq 35\%$

HSR items : M1-004, M1-007, M1-008, M1-009, A1-005 TO A1-012

SPECIFICATIONS RELATED TO THE HSR ITEMS

HSR-2024

b) Water bound macadam and Dry bound macadam - SSCM section 404 :
(50 or 63 mm and crusher fines)

Table 1701-6

| Sieve Size | Percentage passing | | |
|------------|-------------------------------|----------|---------------|
| | Nominal max size of agg in mm | | Crusher fines |
| | 63 | 50 | |
| mm | | | |
| 75 | 100 | - | - |
| 63 | 90 - 100 | 100.0 | - |
| 50 | 30 - 70 | 90 - 100 | - |
| 37.5 | 0 - 15 | 30 - 70 | - |
| 28 | - | 0 - 15 | - |
| 20 | 0 - 5 | - | - |
| 14 | - | 0 - 5 | - |
| 10 | - | - | 100.0 |
| 5 | - | - | 85 - 100 |
| 0.150 | - | - | 10 - 30 |

AIV <= 30%

FI <= 35%

HSR items : M1-010, M1-011

c) Penetration macadam base - SSCM section 406 :

Table 1701-7

| Sieve Size | Percentage passing | | | |
|------------|--------------------|-------|-------|-------|
| | Nominal size in mm | | | |
| | 50 | 37.5 | 20 | 14 |
| mm | | | | |
| 63 | 100 | - | - | - |
| 50 | - | 100 | - | - |
| 37.5 | 50-73 | - | - | - |
| 28 | - | 46-72 | 100 | - |
| 20 | 7-26 | - | 52-68 | 100 |
| 14 | - | 7-27 | - | 63-88 |
| 10 | - | - | 7-25 | - |
| 5 | - | - | - | 6-35 |
| 2.36 | 0-3 | 0-3 | 0-3 | 0-3 |
| 1.18 | - | - | - | - |

AIV <= 30%

FI <= 35%

HSR items : S1-037, S1-038

d) Dense Graded Aggregate Bases : SSCM section 405

(ABC construction)

Table 1701-5

| Sieve Size | Percentage passing | | |
|------------|--------------------|-------|--------|
| | Nominal size in mm | | |
| | 37.5 | 28 | 20 |
| mm | | | |
| 50 | 100 | - | - |
| 37.5 | 95-100 | 100 | - |
| 28 | - | - | 100 |
| 20 | 60-80 | 70-85 | 90-100 |
| 10 | 40-60 | 50-65 | 60-75 |
| 5 | 25-40 | 35-55 | 40-60 |
| 2.36 | 15-30 | 25-40 | 30-45 |
| 0.425 | 7-19 | 12-24 | 13-27 |
| 0.75 | 5-12 | 5-12 | 5-12 |

AIV <= 30%

FI <= 35%

CBR >=80%

HSR items : M1-012, M1-013

SPECIFICATIONS RELATED TO THE HSR ITEMS

HSR-2024

e) Aggregate grading, binder content and thickness requirements - SSCM section 407 :

Table 407-1

| Mix Classification no. | 1 | 2 | 3 | 4 |
|---|---------------------------|-------------|--------------|-------------|
| Nominal maximum size of aggregate in mm | 37.5 | 37.5 | 19 | 19 |
| Course | Dense graded | Open graded | Dense graded | Open graded |
| Thickness mm - Max | 100 | 100 | 50 | 40 |
| - Min | 60 | 60 | 30 | 30 |
| Sieve size mm | Total % by weight passing | | | |
| 50 | 100 | 100 | - | - |
| 37.5 | 95 -100 | 95 -100 | - | - |
| 28 | 80-95 | 53-75 | 100 | 100 |
| 20 | - | - | 80-98 | 96-100 |
| 14.0 | 62-77 | 10-27 | - | 50-75 |
| 10.0 | - | - | 49-67 | 22-42 |
| 5.00 | - | - | 29-44 | - |
| 2.36 | 30 - 45 | 0 - 10 | 18-30 | 5 - 20 |
| 1.180 | - | - | 13-24 | 0-2 |
| 300 | - | - | 5-14 | - |
| Percent binder content by total weight of mix | 3.0 - 4.0 | 2.5 - 3.5 | 3.5-4.5 | 3.0 - 4.0 |

AIV <= 30%

FI <= 35%

HSR items : B0-362, S1-032

3 Surfacing :

a) Asphalt concrete - SSCM section 506 :

Table 506-1

| Mix Classification No. Course | Binder Course | Wearing Course Type - 1 | Wearing Course Type - 2 |
|---|--|-------------------------|-------------------------|
| Thickness mm - Max | 75 | 75 | 75 |
| Min | 35 | 35 | 35 |
| Sieve size mm | Total % by weight passing including filler if used | | |
| 28 | 100 | 100 | - |
| 20 | 90-100 | 85-100 | 100 |
| 14.00 | - | - | 82-92 |
| 10.0 | 56-82 | 66-94 | 61-81 |
| 5.00 | 36-58 | 46-74 | 41-66 |
| 2.36 | 21-38 | 35-58 | 27-48 |
| 1.18 | 15-32 | 26-48 | 20-40 |
| 0.600 | 10-26 | 18 - 38 | 15-35 |
| 0.300 | 6-20 | 11-28 | 10-25 |
| 0.150 | 3-13 | 07-20 | 7-17 |
| 0.075 | 1-7 | 3-12 | 5-9 |
| Percent binder content by total weight of mix | 3.5 - 4.5 | 4.0-6.5 | 4.0-6.0 |

AIV <= 30%

FI <= 35%

LAAV <= 40%

HSR items : B0-361, S1-031, B0-362A

SPECIFICATIONS RELATED TO THE HSR ITEMS

HSR-2024

b) Seal Coat treatments (Surface dressing) - SSCM section 505 :

Table 1701-8

| Sieve Size mm | Percentage passing Nominal size in mm | | | |
|------------------|--|----------|----------|----------|
| | 19 | 12.5 | 9.5 | 6.3 |
| 25 | 100 | - | - | - |
| 19 | 85 - 100 | 100 | - | - |
| 12.5 | 0 - 25 | 85 - 100 | 100 | - |
| 9.5 | 0 - 7 | 0 - 25 | 85 - 100 | 100 |
| 6.3 | - | - | 0 - 25 | 85 - 100 |
| 4.75 | - | 0 - 7 | 0 - 10 | - |
| 2.36 | 0 - 2 | 0 - 2 | 0 - 2 | 0 - 10 |
| 0.075 | 0 - 0.5 | 0 - 0.5 | 0 - 0.5 | 0 - 0.5 |

AIV ≤ 30%

FI ≤ 35%

LAAV ≤ 40%

HSR items : S1-003, S1-004, S1-005, S1-006, S1-029, S1-030

c) Cold mix surfacings - SSCM section 507 :

Table 507.1

| Grading type Nominal max size of aggregate | Dense graded | | Open graded | |
|--|------------------------------------|-----------|-------------|-----------|
| | 19 mm | 12.5 mm | 19 mm | 12.5 mm |
| Sieve size mm | Total percentage passing by weight | | | |
| 25 | 100 | - | 100 | - |
| 19 | 90 - 100 | 100 | 90 - 100 | 100 |
| 12.5 | - | 90 - 100 | 60 - 80 | 85 - 100 |
| 9.5 | 56 - 80 | - | - | - |
| 4.75 | 35 - 65 | 44 - 74 | 18 - 35 | 35 - 50 |
| 2.36 | 23 - 49 | 28 - 56 | - | 15 - 30 |
| 0.300 | 05 - 20 | 05 - 22 | - | - |
| 0.075 | 0 - 05 | 0 - 08 | 0 - 03 | 0 - 03 |
| Percent binder as % of wgt of Aggregate | | | | |
| (a) Cutback Bitumen | 4.5 - 5.5 | 5.0 - 6.0 | 4.5 - 5.0 | 4.5 - 5.0 |
| (b) Emulsion | 5.0 - 6.0 | 5.5 - 6.5 | 4.5 - 5.5 | 5.0 - 6.0 |

AIV ≤ 30%

FI ≤ 35%

LAAV < 40%

HSR items : B0-365, B0-366, S1-033, S1-033A

4. Binder for Surface applications

a) Prime coat - CSS-1 emulsion - SSCM section 1702.3 : shall conform to ASTM D2397-98

Cutback bitumen(20-45%) or MC-30, MC-70 or MC-250 or MC-800 : SSCM section 1702.2

HSR items : B0-352, S1-022, S1- 023, S1-024, S1-025

b) Sand seal - CRS-1 emulsion - SSCM section 1702.3 : HSR items : B0-353, S1-011, S1-012, S1-013,
Tack coat - shall conform to ASTM D2397-98 S1-014, S1-027, S1-035, S1-036

Cutback bitumen (8 - 12%) - SSCM section 1702.2

Bitumen 80 - 100 penetration grade bitumen - SSCM section 1702.1

c) Surface dressing - CRS-2 emulsion - SSCM section 1702.3

Residue on distillation minimum 65% shall conform to ASTM D2397-98

Viscosity min. 100 Saybolt furol seconds

HSR items : B0-354, S1-029, S1-030

| Formula for Earth Excavation using Machinery for HSR-2024 | | | | | | | | | | | |
|--|--|-------------|-------------------|----------|----------|---------------------|----------|-----------|-----------|-----------|-----------|
| Dozer HP and Blade Dimensions received from DGM(mech)/RC&DC | | | | | | | | | | | |
| A. Excavation : | | Unit | | | | | | | | | |
| i Dozer type : | | HP | | D4 - H | | D4 - E | | D7 - G | | D8 -10 | |
| Horse power | | 95 | | 80 | | 200 | | 300 | | | |
| Hire charge for Dozer | | Rs. | per Hour (wet) | 7,741.10 | 7,741.10 | 7,741.10 | 7,741.10 | 10,438.52 | 10,438.52 | 12,120.00 | 12,120.00 |
| ii Cutting Blade Details : | | | | | | | | | | | |
| Length of Load(Blade length) | | L | m | 2.636 | 2.636 | 3.12 | 3.12 | 4.27 | 4.27 | 4.965 | 4.965 |
| Blade height | | H | m | 1.085 | 1.085 | 1 | 1 | 0.97 | 0.97 | 1.174 | 1.174 |
| iii Assumptions : | | | | | | | | | | | |
| Slope of cut * | | S | ratio | 2 :1 | | | | | | | |
| Width of Load | | W=2XH | m | 2.17 | 2.17 | 2 | 2 | 1.94 | 1.94 | 2.348 | 2.348 |
| Haul distance | | D | m | 30 | 60 | 30 | 60 | 30 | 60 | 30 | 60 |
| Average Forward speed | | | km/h | 2.25 | 2.25 | 2.25 | 2.25 | 2.70 | 2.70 | 2.70 | 2.70 |
| Average time for forward push | | =A | minutes | 0.8 | 1.6 | 0.8 | 1.6 | 0.67 | 1.33 | 0.67 | 1.33 |
| Average Reverse speed | | | km/h | 2.85 | 2.85 | 3.50 | 3.50 | 3.50 | 3.50 | 2.50 | 2.50 |
| Average time for return | | =B | minutes | 0.63 | 1.26 | 0.51 | 1.03 | 0.51 | 1.03 | 0.72 | 1.44 |
| Ave. time loading and changing Gears | | =C | minutes per cycle | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 |
| Efficiency of Operator | | E | % | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| Break for rest in each hour | | R | minutes | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Average cycle time for Pushing, Returning, Changing gears etc. | | T=(A+B+C) | minutes | 1.78 | 3.21 | 1.66 | 2.98 | 1.53 | 2.71 | 1.74 | 3.12 |
| Bulk factor | | B | % | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| iv Moldboard capacity : | | | | | | | | | | | |
| Volume(Bank) of Cut (LxHxW)/S | | | cu.m(bank) | 3.10 | 3.10 | 3.12 | 3.12 | 4.02 | 4.02 | 6.84 | 6.84 |
| v Net loose volume per cycle | | V | cu.m(loose) | 3.57 | 3.57 | 3.59 | 3.59 | 4.62 | 4.62 | 7.87 | 7.87 |
| Probable cycle output per hour | | | | | | | | | | | |
| Cycle output per Hour C=[(60-R)/T]xE/100 | | | cycles/Hr | 21.07 | 11.68 | 22.59 | 12.58 | 24.51 | 13.84 | 21.55 | 12.02 |
| vi Net loose volume per hour | | v=CxV | cu.m(bulked) | 75.22 | 41.7 | 81.1 | 45.16 | 113.24 | 63.94 | 169.6 | 94.6 |
| Net loose volume per day (5 hours) | | | | 376.1 | 208.5 | 405.5 | 225.8 | 566.2 | 319.7 | 848 | 473 |
| Considering the time for Servicing, Fuelling & Cleaning as | | | hours/day | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Working time | | t | hours/day | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| Output per 6 Hours | | =txV | cu.m per day | 451.32 | 250.2 | 486.6 | 270.96 | 679.44 | 383.64 | 1017.6 | 567.6 |
| vii Average cost per Cu.m Loose | | | Rs. | 102.91 | 185.64 | 95.45 | 171.41 | 92.18 | 163.26 | 71.46 | 128.12 |
| Average for each dozer | | | | 144.28 | | 133.43 | | 127.72 | | 99.79 | |
| B. Loading : | | | | | | | | | | | |
| i Hire Charge for wheel loader 2.7 cu.m | | | hour(wet) | 8,377.54 | | B0-124 | | | | | |
| One way haul distance up to : | | d | m | 10 | | | | | | | |
| The Maximum time for loading cycle | | t | minutes | 1.2 | | | | | | | |
| Capacity of loader bucket | | v | cu.m | 2.7 | | | | | | | |
| Assume working time per hour | | T | minutes | 50 | | | | | | | |
| Assume loading bucket efficiency | | E | | 0.8 | | | | | | | |
| Assume machine operator efficiency | | e | | 0.75 | | | | | | | |
| ii No of loads per hour | | n | | 41.66667 | | [(T/t) | | | | | |
| iii Loading capacity per hour | | V | cu.m | 67.5 | | [v x n x e x E] | | | | | |
| Assume 5 hours working for loader due to Queing and delays in transport vehicles | | | hours | 5 | | | | | | | |
| iv Out put per day (Loose) | | | cu.m | 337.5 | | | | | | | |
| v Cost of loading per Cu.m (Loose) | | | Rs. | 124.11 | | per cu.m | | | | | |
| Sub Total cost of excavation & loading | | | | 268.39 | | 257.54 | | 251.83 | | 223.90 | |
| C. For excavation of Base, Sub Base & Shoulder materials : | | | | | | | | | | | |
| Allow for borrow pit establishment and site maintenance % | | | | 25 | | | | | | | |
| D. For excavation of Embankment fill materials : | | | | | | | | | | | |
| Allow for borrow pit establishment and site maintenance % | | | | 10 | | | | | | | |
| Total cost of excavation and supply of Soil for | | | | | | | | | | | |
| Sub Bases, Bases and Shoulders | | Cu.m(loose) | | 335.48 | | 321.93 | | 314.79 | | 279.88 | |
| Embankment fill material | | Cu.m(loose) | | 295.23 | | 283.30 | | 277.01 | | 246.29 | |
| Sub Bases, Bases and Shoulders, Average | | total cost | per cu.m | 313.02 | | Excluding overheads | | | | | |
| Embankment fill material, Average | | total cost | per cu.m | 275.46 | | Excluding overheads | | | | | |
| Say, For Bases, Sub Bases and Shoulders | | Rate Rs. | per cu.m | 313.00 | | 885.85 per cube | | B0-201 | | | |
| Say, For Embankment filling | | Rate Rs. | per cu.m | 275.50 | | 779.54 per cube | | B0-202 | | | |
| | | with 28% | per cu.m | 400.64 | | 1133.81 per cube | | | | | |
| | | | per cu.m | 352.64 | | 997.97 per cube | | | | | |

Cu.m Transport Cost on KM Distance involving Small Quantities

| | | |
|--|-----------|--------|
| Cost of Transport from 0.5 km up to 1 km per cu.m | (T1-003) | 457.90 |
| Rate for each subsequent km from 1 km up to 8th km | (T1-003A) | 71.25 |
| Rate for each subsequent km beyond 8th km | (T1-003B) | 47.85 |

| Distance/km | Cost/Cu.m/Trip Rs. | Distance/km | Cost/Cu.m/Trip Rs. |
|-------------|-----------------------|-------------|-----------------------|
| 0.5 up to 1 | 457.90 | 43 | 2,631.40 |
| 2 | 529.15 | 44 | 2,679.25 |
| 3 | 600.40 | 45 | 2,727.10 |
| 4 | 671.65 | 46 | 2,774.95 |
| 5 | 742.90 | 47 | 2,822.80 |
| 6 | 814.15 | 48 | 2,870.65 |
| 7 | 885.40 | 49 | 2,918.50 |
| 8 | 956.65 | 50 | 2,966.35 |
| 9 | 1,004.50 | 51 | 3,014.20 |
| 10 | 1,052.35 | 52 | 3,062.05 |
| 11 | 1,100.20 | 54 | 3,157.75 |
| 12 | 1,148.05 | 56 | 3,253.45 |
| 13 | 1,195.90 | 58 | 3,349.15 |
| 14 | 1,243.75 | 60 | 3,444.85 |
| 15 | 1,291.60 | 62 | 3,540.55 |
| 16 | 1,339.45 | 64 | 3,636.25 |
| 17 | 1,387.30 | 66 | 3,731.95 |
| 18 | 1,435.15 | 68 | 3,827.65 |
| 19 | 1,483.00 | 70 | 3,923.35 |
| 20 | 1,530.85 | 72 | 4,019.05 |
| 21 | 1,578.70 | 74 | 4,114.75 |
| 22 | 1,626.55 | 76 | 4,210.45 |
| 23 | 1,674.40 | 78 | 4,306.15 |
| 24 | 1,722.25 | 80 | 4,401.85 |
| 25 | 1,770.10 | 82 | 4,497.55 |
| 26 | 1,817.95 | 84 | 4,593.25 |
| 27 | 1,865.80 | 86 | 4,688.95 |
| 28 | 1,913.65 | 88 | 4,784.65 |
| 29 | 1,961.50 | 90 | 4,880.35 |
| 30 | 2,009.35 | 92 | 4,976.05 |
| 31 | 2,057.20 | 94 | 5,071.75 |
| 32 | 2,105.05 | 96 | 5,167.45 |
| 33 | 2,152.90 | 98 | 5,263.15 |
| 34 | 2,200.75 | 100 | 5,358.85 |
| 35 | 2,248.60 | 102 | 5,454.55 |
| 36 | 2,296.45 | 104 | 5,550.25 |
| 37 | 2,344.30 | 106 | 5,645.95 |
| 38 | 2,392.15 | 108 | 5,741.65 |
| 39 | 2,440.00 | 110 | 5,837.35 |
| 40 | 2,487.85 | 112 | 5,933.05 |
| 41 | 2,535.70 | 114 | 6,028.75 |
| 42 | 2,583.55 | 116 | 6,124.45 |

Transport and Paving of Interlocking Blocks - 2024

| DESCRIPTION | QUANTITY | UNIT | RATE | AMOUNT(Rs.) |
|--|----------|--------|------------|---------------------------|
| 1. Transport of Interlocking Concrete Paving | | | | |
| Block per km transport (short distance - within the province) | | | | |
| Data for: transport distance of | 25.00 | km for | 2,750.00 | Blocks |
| Dimension of a Block (220x110x80 mm) | | | | |
| Volume of 2750 blocks | 5.32 | Cu.m | | |
| Average weight of a interlocking block | 4.65 | kg | | |
| Load per trip | 12,778 | kg | | |
| Hire charge (Wet) for a 12 ton Lorry per km (RDA Hire Charges) | | Rs./Km | 228.97 | |
| Hire charge (Dry) for a 12 ton Lorry per hr. (RDA Hire Charges) | | Rs./km | 122.49 | |
| Average Speed of Lorry 20 km/Hr (Assumption) | 20.00 | km/hr | | |
| Distance Transport 2 way | 50 | km | | |
| Cost of transport by lorry | 50 | km | 228.97 | 11,448.73 |
| Cost of Lorry during Loading and Unloading @ total 2 Hrs (Idle Time) | 2.00 | Hrs | 2,449.89 | 4,899.79 |
| Labour for loading & Unloading(4 U/Sk for 1.0 hrs) | 0.50 | Day | 2,800.00 | 1,400.00 |
| Total cost for transport 2750 blocks for 25 km Distance | | | | 17,748.52 |
| Transport cost per block per 1 km | | | | 0.26 |
| | | | Say | 0.26 per Block/ km |
| 2. Paving of Interlocking Concrete Blocks. | | | | |
| inclusive 50 mm sand bedding and compaction. Supply and transport of Blocks and bedding material to be paid separately. | | | | |
| (Depending on the design, Construction of side kerbs and ABC layer and sub grade preparation to be paid separately.) | | | | |
| a) Cutting end Blocks | | | | |
| Cost of angle grinder | | | 20,000.00 | |
| | 2500 | Hours | | |
| Cost of cutting blade | | | 1,200.00 | |
| Assumed workable life period | 96 | Hours | | |
| Hire Charge of Electric Generator per Hour | | Hour | 1,947.81 | |
| Charge for Angle grinder per hour | | | 8.00 | |
| Cost of cutting Blade per Hour | | | 12.50 | |
| Data for paving per day | 93 | Sq.m | | |
| Angle grinder | 2 | hours | 8.00 | 16.00 |
| Cutting Blade | 2 | hours | 12.50 | 25.00 |
| Electricity Generator (HSR - 2024) | 2 | hours | 1,947.81 | 3,895.63 |
| Labour Sk'A' (HSR - 2024) | 1 | Day | 4,000.00 | 4,000.00 |
| Total Cost for cutting concrete blocks Blocks for 93 sq.m | | | | 7,936.63 |
| Sub Total Cost per 1 Sq.m | | | | 85.34 per Sq.m |
| b) Paving of concrete blocks and preparation of sand bedding | | | | |
| Data for | 93 | Sq.m | | |
| Paving width confined between kerbs | 3 | m | | |
| Paving output area per day | 93 | Sq.m | | |
| Sand (including 16 km transport) | 4.65 | Cu.m | | |
| Add 10% for bulking and filling etc. | 0.47 | Cu.m | | |
| Labour for spreading sand and paving | | | | |
| Skilled "A" | 1 | Day | 4,000.00 | 4,000.00 |
| Skilled"B" | 1 | Day | 3,500.00 | 3,500.00 |
| Un Skilled | 4 | Day | 2,800.00 | 11,200.00 |
| Plate vibrator | 1 | Day | 5,610.78 | 5,610.78 |
| For Other Tools(Assume 2.5% of Labour) | | | | 467.50 |
| Total Cost for paving blocks for 93 sq.m | | | | 24,778.28 |
| Sub Total Cost per 1 Sq.m sand bedding and paving of blocks | | | | 266.43 per Sq.m |
| Total cost of paving of interlocking blocks excluding the cost of side kerbs | | | | |
| | | | Say | 351.77 |
| | | | | 351.75 per Sq.m |