



# **KARNATAKA MINING ENVIRONMENT RESTORATION CORPORATION**

(Govt of Karnataka Undertaking)  
kmerc2014@gmail.com

Order No. CEPMIZ/2022-23/12/PWD/C/KMERC/00271 Date: 17.03.2023

Date: 17.03.2023

**Subject:-** Administrative Approval for Improvement of road from Mathighatta, Chitradurga taluk border Km 0.00 to 15.50 in Holalkere taluk of Chitradurga District.

Ref :-

1. Oversight Authority Meeting Dated: 27.09.2022
2. KMERC Office letter No. ಕೆ.ಎಂ.ಇ.ಆರ್.ಸಿ/12.0/ ಹಿ.ಡಬ್ಲೂ.ಡಿ/ಎಸ್‌ಎಲ್‌/2022-23/1409 Dated 14.10.2022.
3. Principal Secretary, PWD Office letter No. ಲೋಇ 265 ಸಿಲನ್ ಹೆಚ್ 2022 (ಇ) Dated 06.03.2023
4. KMERC Project Appraisal meeting Dated 08.03.2023.
5. KMERC Board Sub-Committee meeting Dated 15.03.2023.
6. Govt. Order No. CI 215 MMM 2022, BANGALORE, DATED 13/03/2023
7. Executive Engineer, PWD, Chitradurga Office Letter No. ಕಾಜಂ:ಲೋವಿಚಿ:ಕೆ.ಎಂ.ಇ.ಆರ್.ಸಿ:2022-23/5128 ದಿನಾಂಕ: 17.03.2023.

## Preamble:

The Project of Improvement of road from Mathighatta, Chitradurga taluk border Km 0.00 to 15.50 in Holalkere taluk of Chitradurga District, amounting to Rs. 3114.00 lakhs proposal was approved by the Oversight Authority, appointed by Hon'ble Supreme Court vide its Order dated 21.04.2022, vide ref. (1) and the Proposal Approval was communicated vide ref letter (2) to submit DPR for the proposed project, as per the guidelines communicated along with.

The Principal Secretary, PWD, GoK submitted the DPR after technical scrutiny for an amount of Rs.3114.00 lakhs and requested Administrative Approval vide ref letter (3) above.

Sl.No (as per Approved list)	District	Sector	Sub-Sector	Project	Project Cost (in Lakhs)
91	Chitradurga	Road & Communal	PWD	Improvement of road from Mathighatta, Chitradurga taluk border Km 0.00 to 15.50 in Holalkere taluk of Chitradurga District	3114.00
<b>TOTAL Rs. in Lakhs</b>					<b>3114.00</b>

The DPR was reviewed by the Appraisal Committee of KMERC on dated 08.03.2023 with regard to the outputs and outcomes for which the project was approved by the Oversight Authority with some observations to update the DPR. The updated DPRs vide ref. (7) complying with the observations of Project Appraisal Committee of KMERC was approved in the KMERC Sub-Committee vide ref. ltr. (5) as per delegation of financial powers assigned vide ref. (6).

Sl. No.	Name of the Project	Cost approved by OA (Rs. in Lakhs)	Cost per technical Scrutiny (Rs. in Lakhs)	Cost recommen ded by Secretary / HoD (Rs. in Lakhs)	Amount recommen ded by Appraisal Committe e of KMERC (Rs. in Lakhs)	Amount approved (Rs. in Lakhs)
1	Improvement of road from Mathighatta, Chitradurga taluk border Km 0.00 to 15.50 in Holalkere taluk of Chitradurga District	3114.00	3114.00	3114.00	3114.00	3114.00

**ADMINISTRATIVE APPROVAL ORDER No.**  
**CEPMIZ/2022-23/12/PWD/C/KMERC/00271, Dated: 17.03.2023**

As explained in the preamble, the administrative approval of the Project '**Improvement of road from Mathighatta, Chitradurga taluk border Km 0.00 to 15.50 in Holalkere taluk of Chitradurga District**' as per enclosed Annexure is hereby accorded for Rs. 3114.00 lakhs.

While implementing/executing the Project, the concerned Implementing Agency should strictly adhere to following conditions:

1. The approved Project should be taken up as per the prevailing norms / rules of the Implementing Department and KTPP Act.
2. The Implementing Agency should ensure that the works approved by KMERC are not executed under any other Schemes/ Department including DMF Funds.
3. The funds earmarked and approved for the proposed category/categories/location(s) of works, must be utilized exclusively for the respective category/categories/location(s) of works only, and cannot be diverted for other categories/location(s) of works.
4. The concerned Administrative Department/ Implementing Agency shall not entrust the implementation of the approved work(s) to another Administrative Department/ Implementing Government Agency without the permission of KMERC.
5. The projects are to be taken up only on undisputed Govt. land/ community land with the prior approval of the concerned revenue authority to avoid any legal complications, unless it is beneficiary oriented program.
6. The concerned Administrative Department/ Implementing Agency shall be solely responsible for ensuring compliance to all related obligations/legal requirements including but not limited to Environmental/Forest Clearances, queries under RTI, Social Audits or any stakeholder consultations, as may be required for implementation of works approved by KMERC.
7. The works shall be carried out as per the standard specification of items in the sanctioned estimate. Mandatory quality check(s) should be conducted by designated qualified staff at different levels, as per the approved norms of the concerned Administrative Department/ Implementing Government Agency. Inspection & Quality control register shall invariably be maintained for each work of the project and the quantity of works shall also be duly checked and verified and should be made accessible to KMERC during Inspection and provide copies, whenever sought.
8. All Road projects are suggested to take care of shifting of all utilities before starting the road work and also to make necessary provisions to avoid road cutting in future.
9. Necessary soil investigation and structural design for the project need to be ensured and also to make necessary provisions as per requirements of the project.

10. A Board depicting Project details be erected at a conspicuous place mentioning the details of the scheme/ year of execution/ project cost/ Executing Department & Agency/ date of commencement & completion/ Defect liability period etc., in both Kannada and English language, as provided in the KMERC Website.

11. Progress report of the project shall be periodically (monthly/ quarterly/annually/project-end) submitted/uploaded on the KMERC portal & Digital copies of the same should be sent to KMERC, along with photos with geo-coordinates and small-sized videos at every stage of project-implementation.

12. On completion of the approved project, a consolidated report of the work done, and assets created (if any) shall be submitted to KMERC. Details of completed project should be incorporated in Google Earth and the duly verified Kmz / Kml file be sent to KMERC for record.

13. Prior approval from KMERC shall necessarily be taken for any change in the cost, scope or location of the project work approved hereunder.

14. Funds will be released based on the monthly/ milestone based physical progress. The Implementing Agency should submit the details of child account, IFSC Code, Bank names etc., for transfer of funds by KMERC.

15. The Implementing Department/Agency shall be responsible for all payments made or recommended by it to be made on account of the project.

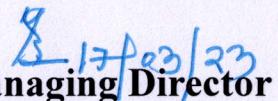
16. The Department shall prepare a detailed statement of expenditure periodically (monthly/quarterly/annually) and submit hard copy and upload it in the KMERC portal.

17. Separate account / cash book are to be maintained at the executing agency level for the scheme. The books of Accounts of the Implementing Government Agency shall be scrutinized periodically and should be made accessible to KMERC.

18. Utilization Certificates should be submitted after utilization of funds released.

19. Concerned department shall ensure Internal Audit of the CEPMIZ Project expenditure, annually and submit the report to the KMERC, along with Action Taken Report.

20. Funds for the project is readily available and will be released based on progress and bills due, within the amount approved for the project by Oversight Authority. No additional funds, over and above the amount sanctioned hereby, shall be provided due to Tender premium, cost escalation, delay in execution or any other reason.
21. Administrative costs including amount required for Project Implementation, Supervision, Monitoring at District level & Hq level, Documentation & Evaluation and other contingencies shall be limited to 1% of the project cost, which would be as per actuals. The approval of KMERC would be obtained for incurring the expenditure under this Head.
22. The cost of DPR preparation shall be reimbursed/provided, as per the actual requirement, which could be based on the guidelines/ norms of the kind of works by the department and arrived as per KTPP Act.
23. The department shall maintain Asset register for all the assets created under the CEPMIZ Project.
24. The CEPMIZ asset created shall not be disposed off, encumbered or utilized for purpose other than for which funds have been provided by KMERC.
25. The executing agency shall prepare the list of the Villages/beneficiaries, who are to benefit from the projects and provide to KMERC & upload in the KMERC portal.
26. Success stories of the implemented projects are to be prepared and provided to KMERC by the executing agencies after completion of the projects.
27. The concerned Administrative Department/ Implementing Government Agency shall ensure the post-project sustainability in terms of the Operations and Maintenance (O&M) aspects of the project works, as agreed during submission of the proposal.
28. The Implementing Agency shall also carry out Concurrent Monitoring and 3<sup>rd</sup> party Evaluation of all projects and shall share reports to KMERC and on its portal.

  
Managing Director  
KMERC

**To,**

1. Principal Secretary to Government, Public Works Department.
2. Chief Engineer, PWD (Central) Shimoga.
3. Superintending Engineer, PWD Circle , Shimoga
4. Executive Engineer, PWD Division, Chitradurga for further needful.

**Copy to:**

1. The Deputy Commissioner, Chitradurga District.
2. PS to Hon'ble Minister for Mines, Govt. of Karnataka.
3. PS to Additional Chief Secretary to Government & Development Commissioner & Chairman KMERC.
4. PS to Secretary to the Govt. (MSME & Mines).

Annexure to  
Administrative Approval order  
No. PRF 00271 dated: 17-03-23

**Executive Summary**

**Name of the Project:** Improvements to Road from Mathighatta Chitradurga Taluk Border Km 0.00 to 15.50 in Holalkere Taluk of Chitradurga District

Project was approved under CEPMIZ scheme for Rs. 31.14Cr in 5<sup>th</sup> meeting of the Hon'ble Oversight Authority on 27.09.2022. The main objective of the project is to improve the economic and social condition of the people of surrounding mining affected villages and also facilitate transportation of mining ores in future.

The project corridor is a part of upgraded major district road in Chitradurga district connecting from Mathighatta to Lingadahalli. The total length of the project road is 15.50 Km. The existing type of pavement is flexible pavement and the condition of the road is good to fair. The existing carriageway is a Single lane carriageway of 3.5m width. The project road is proposed with 5.50 m intermediate carriageway. The project length for improvement is restricted to 13.85 Km to match with the approved project cost, the section is from Ch: 0.00 to Ch: 13.85 Km. The existing flexible pavement is having a total pavement thickness ranging from 70mm to 220 mm. The designed Pavement Crust thickness for the section is obtained to be 370 mm (total thickness).

The project Road construction also includes the reconstruction of existing cross drainage structures in the following chainages at Ch:0+820, 1+290, 2+137, 5+205, 5+943, 6+195, 6+262, 6+770, 6+920, 7+810, 7+860, 9+585, 10+520, 10+565, 11+185, 11+693, 12+280, 12+430, 13+084, 13+780, 13+934, 14+695, 14+853, 15+270, 15+450, 16+306 and 30 nos of pipe culverts for irrigation purpose of adjacent farm land is considered.

The project will be implemented by KPWD Department and as per the prevailing norms. The construction period of the project is 11 months including monsoon season. The contract will have one year DLP and after which the road will be maintained by PWD by its own fund. Since the project road is proposed with rigid pavement, very minimal funds are required for periodic and routine maintenance.

- a. The Major Outcomes of the above project will improve the connectivity of 4 villages serving 8164 population. The project road facilitate the surrounding village for effective transportation of both goods and passengers. The villages

such as Mathighatta, Ramenahalli, Pampapura, Brahmapuravillages are indirectly affected villages. These villages will have Improved Accessibility / Health / Education, Increase Employment / Business Opportunity, Increase in agricultural income, Increase in small scale industries in the villages. Present time taken to reach NH 369 in turn to reach Holalkere or Chitradurga towns (for School/Hospital/ market) is around 15 mins from the mining affected villages. Travel Time to reach NH 369 will be less than 10 mins with good riding quality.

- b. The project road improvement benefits the Traffic commuting on the project corridor, which is around 2131 Vehicles with total PCU of 1599 per day. On improvement of Road over its design life, will serve around 9210 vehicles with total PCUs of 6911 per day.

The cost estimates for this road is prepared considering SoR 2021-22, where in the civil construction cost works out to 24.75 crores. Considering this the per kilometer cost of the project works out to 1.79 Crores. The reason for this cost is due to construction of 5.5m carriageway for a length of 13.85 Km.

  
Executive Engineer  
PWD Division  
Chitradurga

  
Superintending Engineer  
PWD Shivamogga Circle  
Shivamogga

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## GENERAL ABSTRACT OF COST (AOC)

The total project cost includes construction cost, social and environmental cost, utility relocation cost, contingencies on construction cost, engineering design and supervision cost. The summary of cost estimate for Rigid pavements and total project cost are summarized in below tables

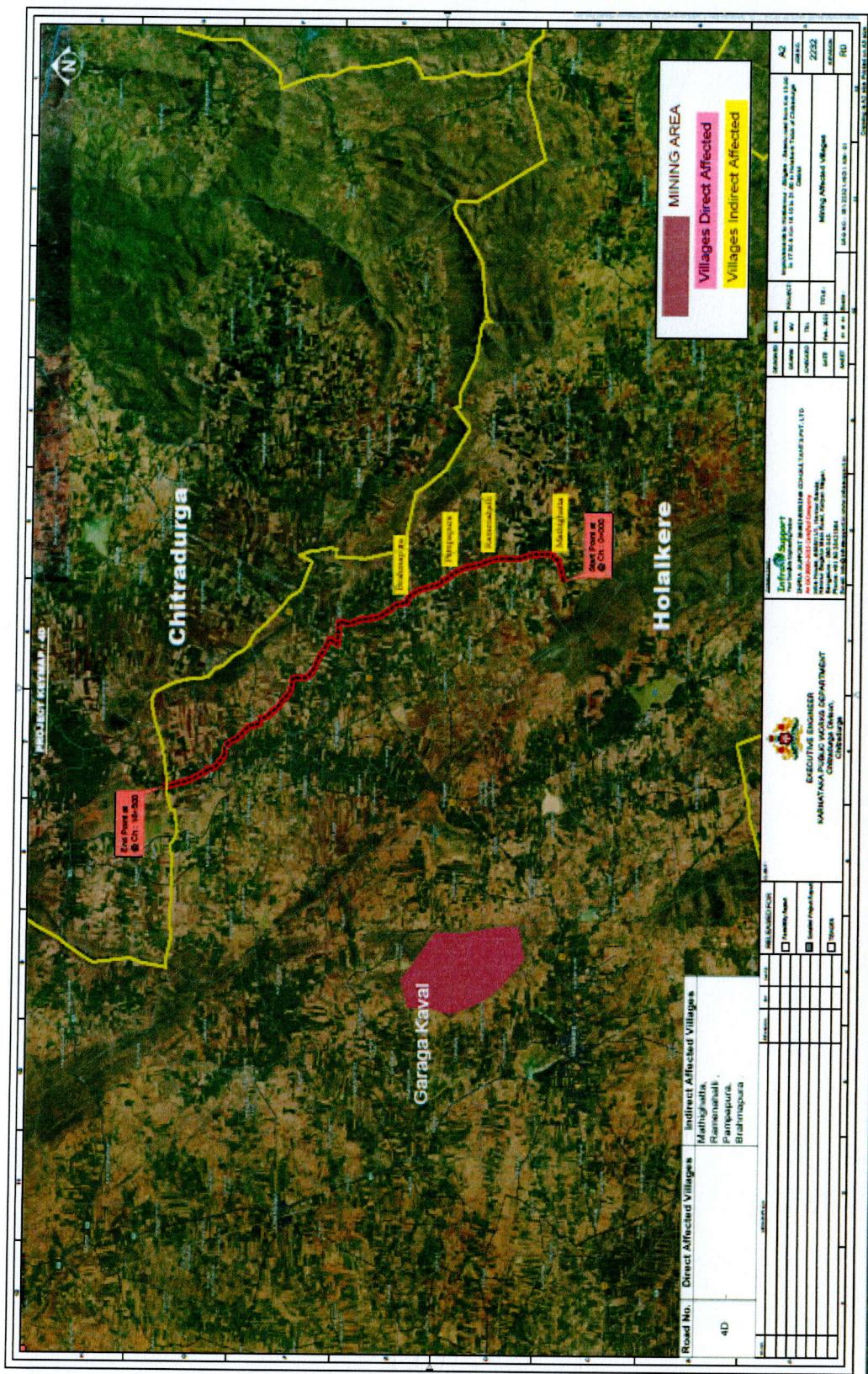
### Summary of Cost Estimate

Sl.No.	Cost of Civil Works	Estimated Cost, Rs. Lakhs
1	Pavement Construction	20,30,22,888
2	Cross Drainage Works	3,62,48,959
3	Construction of Field Culverts	31,87,797
4	Road Furniture	29,21,858
5	Utility Shifting - Electrical Pole Shifting	21,55,517
6	<b>Total Amount for road Construction / Improvements (A)</b>	<b>24,75,37,018</b>
7	GST at 18%	4,45,56,663
8	<b>Total Construction Cost</b>	<b>29,20,93,681</b>
9	D. P.R Charges including 18% GST	14,38,184
10	Administrative cost towards CEPMIZ Project Implementation & Monitoring Cell at the District Officer's level and at the State Head Quarter, including Documentation & 3rd Party Evaluation (1%)	29,20,937
11	Tender Premium (5%)	1,46,04,684
12	Sub-Total (B)	1,89,63,805
13	Miscellaneous	3,42,514
14	<b>Total Project Cost Total (A) +(B)</b>	<b>31,14,00,000</b>

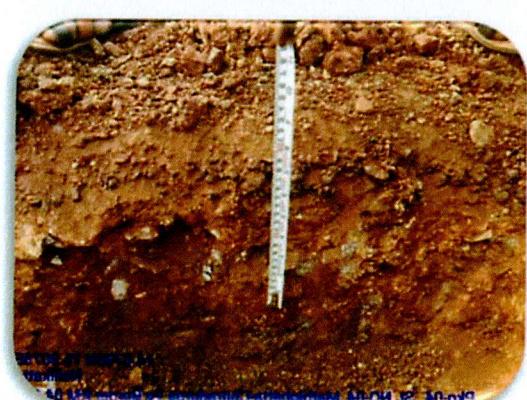
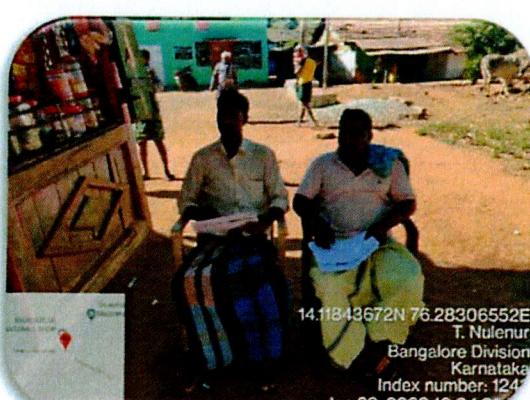
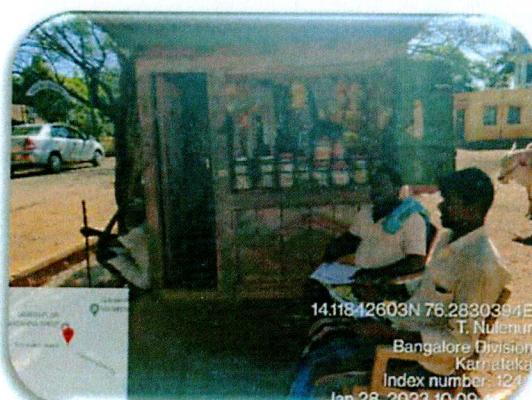
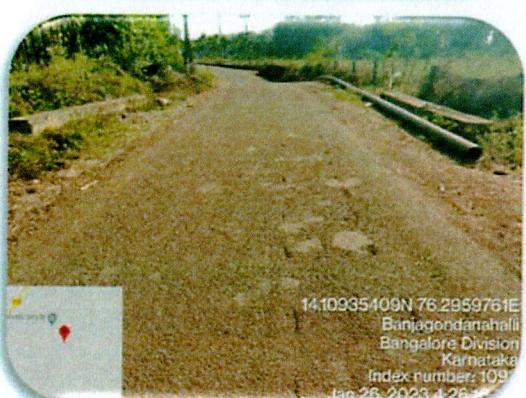
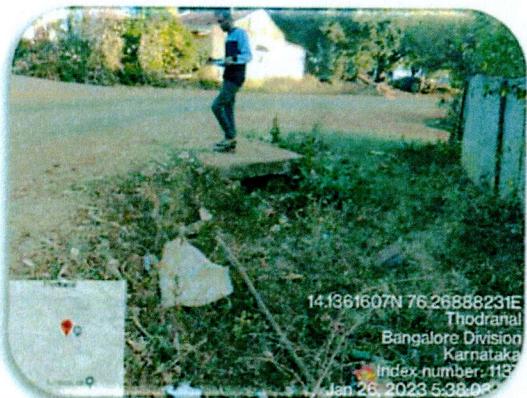
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 ಕೆಂಜಾರ್ಸ, ಬೆಂಗಳೂರು

Project Key Map - Road 4



## Existing site photos



## PROJECT AT A GLANCE / SALIENT FEATURES EXECUTIVE SUMMARY

Sector	Chitradurga	Sub-Sector	Holalkere	Standalone project or in convergence	Standalone
Project name	“Improvements to Road from Mathighatta Chitradurga Taluk Border Km 0.00 to 15.50 in Holalkere Taluk of Chitradurga District”	Project type: New/ Upgradation / Strengthening/ Rejuvenation		Upgradation	
Proposal submitted by	Executive Engineer, Public Works Department, Chitradurga Division	Govt. Implementing Agency	Public Works Department, Holalkere Sub division		
Project Location/ Coverage	Starting: 14.04583175 N 76.30672301 E Ending: 14.160428888 N 76.25279237 E	Total Project Cost (INR Cr.)	31.14 Cr	Project Duration	11 Months
Project Objective				<ol style="list-style-type: none"> <li>1. To ease the movement of vehicles and increase the economic and social condition of the people.</li> <li>2. Lowering Transportation cost</li> <li>3. Economic Development Benefits</li> <li>4. Reduction in Air pollution / dust control.</li> </ol>	

  
 Superintendent Engineer  
 PWD Shivamogga Circle  


  
 Executive Engineer  
 PWD Division  
 Chitradurga

  
 Managing Director  
 Karnataka Mining Environment  
 Restoration Corporation

Project Outputs list					Project Outcomes list			
Sl. no	Major Project Outputs	Measuring Unit (Ha/ Km/ any other)	Qty. / Nos.	Total Cost (Lakh Rs.)	Sl. No	Major Envisaged Outcomes	Key Performance Indicator (KPI) for measuring the Outcome	Assumptions/ Risks
1	Pavement Construction	Km	13.85	20,30,22,888	1	4 Nos of villages are indirectly affected by mining. The villagers will be beneficiary due to the improvement of Road, the road serves over 8164 population	Over 8164 Population will be benefitted.	-
2	Cross Drainage Works	Nos	21	3,62,48,959				
3	Construction of Field Culverts	Nos	30	31,87,797	2	Project Road is intersected by NH 369. Improving the project road, will improve connectivity to NH and inturn Improves Accessibility to Health / Education / Markets. Present time taken to reach School / Hospital / market is around 15 mins from mining affected villages.	Travel Time to reach NH 369 to access School/Hospital/ market will be less than 10 mins with good riding quality.	
4	Road Furniture			29,21,858				
5	Utility Shifting & Mobilization			21,55,517	3	Traffic commuting on the project corridor which is around 2131 Vehicles with total PCU of 1599 Per day.	On improvement of Road over its design life will serve around 9210 vehicles with total PCUs of 6911 per day.	
<b>Total Improvement Cost excluding GST, Rs</b>				<b>24,75,37,018</b>				
<b>GST and Other Charges</b>				<b>6,38,62,982</b>	4	The new road facility would reduce vehicle-operating costs (VOC's) as the vehicles will be able to travel at a faster speed, which in turn would reduce time, transport cost and the wear and tear of the vehicles.	On improvement in width and Roughness of the carriageway, the wear and tear of vehicles will reduce, and results in substantial saving of VOC and fuel cost.	
<b>Total Project Cost, Rs</b>				<b>31,14,00,000</b>				
					5	Road improvement attracts establishment of new industries, shopping centres, ware houses etc,which will contribute in benefiting public through new opportunities.	Increased employment / Business opportunity	-
					6	Widened carriageway with improved surface will ensure timely and effective transportation of both goods and passengers.	Timely and effective delivery of both goods and passengers will increase effectiveness of agriculture, trade, etc.	-
					7	Improvement in transportation of Agricultural and other small scale industries in the villages	-	-
					8	Improved road safety and Savings in road maintenance	-	-

*Managing Director  
Karnataka Mining Environment  
Restoration Corporation*

Post-project implementation Sustainability / Operations and Maintenance

The scope of contractor includes operation and maintenance of the developed corridor up to defect liability period as per contract. PWD Chitradurga will ensure sustenance /upkeep, operations and maintenance of assets post project completion.

  
Superintending Engineer  
PWD Shivamogga Circle  
Shivamogga

**Executive Engineer  
PWD Division  
Chitradurga**

17/03/23  
Managing Director  
Karnataka Mining Enviro  
Restoration Corporation