



राष्ट्रीय ग्रामीण अवसंरचना विकास एजेंसी
(ग्रामीण विकास मंत्रालय, भारत सरकार)

National Rural Infrastructure Development Agency

(Ministry of Rural Development, Govt. of India)

5th Floor, 15-NBCC Tower, Bhikaji Cama Place, New Delhi-110066

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Lr.No.NRRDA-PO10(21)/2/2018-Dir(Tech)(E:361383)-8

Dated: 15.03.2022

To,

Dr. (Mrs.) Vandana Tare,

Professor,

Shri G. S. Institute of Science and Technology and Science,
Indore, Madhya Pradesh State.

Dear madam,

This is with reference to Research Project Proposal on '**Performance Evaluation of Cement Concrete Pavements in Rural Roads**'. In this connection, I am directed to convey the approval of the Competent Authority for the project proposal with following conditions:

1. The project duration will be 1 year and final cost as approved by the competent authority is **Rs. 22,96,000/- (Rs Twenty Two Lakh and Ninety Six Thousand only)**. The interim progress report should be submitted after six months from the date of start and draft final report should be submitted atleast one month prior to closing of the project.
2. Performance evaluation studies shall be conducted on 25 stretches from the CC road list provided by the institute in their project proposal in consultation with SRRDA.
3. CC roads stretch of 500 m and above length is preferable for this performance evaluation study. However, the minimum length of CC road should not be less than 250 m.
4. The re-appropriation of item wise sanctioned cost shall not be done without prior approval of NRIDA.
5. The funds will be released in 3 instalments of 40%, 30% and 30%. The 3rd instalment will be released on receipt of draft final report.
6. The item wise revised budget is attached with this letter.
7. You are requested to share the details of bank account of your institute for release of funds. The first instalment of the research project cost (about 40% of the total project cost) will be released by F&A division very shortly to the account of your institute through NEFT. You may go ahead with start of the project from **1st April, 2022** onwards. You are also requested to kindly confirm through email your consent for above conditions and start of the project.

Further, this research study will be coordinated by Dr. Umesh Chandra Sahoo, IIT, Bhubaneswar under the guidance of Prof. A. Veeraragavan, IIT, Madras. Dr. Umesh Chandra Sahoo shall Analyze and assess the work done by the investigating agencies and also monitor the timely submission of the required reports and other deliverables as per the project proposal under the guidance of Prof A. Veeraragavan, IIT, Madras. The PI is requested to provide full cooperation with Prof. A. Veeraragavan, IIT, Madras and Dr. Umesh Chandra Sahoo, IIT, Bhubaneswar to complete the research study in time.

Encl: Item wise revised budget

With Regards,

Yours sincerely,



(Dr. I. K. Pateriya)

Copy to Prof. A. Veeraragavan, IIT, Chennai.

Copy to Dr. Umesh Chandra Sahoo, IIT, Bhubaneswar

Item wise revised budget

Performance Evaluation of Cement Concrete Pavements in Rural Roads

	Items	Description of items	Approved cost for SGSITS, Indore (Rs in Lakhs)
		No of test sections identified by PI with the help of SRRDA	32
		Length of CC road identified	13.23
		No of test sections proposed for study in the proposal	25
A	Recurring		
	Salaries/ wages/ Manpower	Project Assistant/JRF/Project Staff @ Rs.31,000/- pm for one year	3.72
	Consumables	Testing Materials, Stationeries etc.	1.00
	Travel (TA & DA)	Travel to the road sites, accommodation and food expenses for staff during pavement evaluation, Travel for Conducting FWD Tests, Meeting at NRIDA etc.	3.50
	Other Research Expenditures including contingencies	Labour for collection of materials, testing of materials, remuneration to supporting staff, cost related to information search, acquiring important literature etc. and other contingency expenses	2.00
		Total	10.22
B	Overhead Costs @ 20%		2.04
C	Equipment/ Software	1. Ultrasonic pulse velocity meter	4.00
		2. Crack width measurement microscope	0.50
		3. Drone with Camera for Visual Distress Data Collection/ High pixel Camera with high resolution for Visual Distress Data Collection	3.00
		4. Rebound Hammer	2.00
		5. Coring Machine/ Concrete core cutting Machine	1.20
		Total	10.70
		Total (A+B+C)	22.96