Report on site inspection of rural road (PMGSY) under R & D project of WBSRDA to be constructed with JGT at Polba - Dadpur Block, Hooghly District, WB on 27.12.2018

A tripartite agreement among NRIDA, WBSRDA and National Jute Board (NJB) has been signed to evaluate the performance of JGT treated six number rural roads under PMGSY in West Bengal. NJB’s role in this venture is as technology provider for JGT. As requested by Sri Gautam Roy - Executive Engineer & Nodal Officer, R & D Project of WBSRDA and with the concurrence of competent authority of NJB, Sri P K Choudhury- Principal Technologist inspected the road site to be constructed with JGT on 27th December, 2018. IIEST team of faculties who are also associated in these activities for evaluating the performance of JGT treated road were also present.

The visiting team comprised of the following –

1. Sri Gautam Roy EE, WBSRDA  
2. Sri Sabyasachi Ojha- AE, WBSRDA  
3. Prof. Tapash Roy- IIEST  
4. Sri Debasish Naskar- TA to Prof Tapash Roy  
5. Sri Manash Mandal- AE, Hooghly  
6. Sri Achinta Koley- JE, Hooghly  
7. Sri Balai Raja- SAE, Hooghly  
8. Sri Swapan Bharadwas & team of the agency  
9. Sri P K Choudhury - NJB

A stretch of 2.427 km rural road from Kuchpala to Satithan, Block : Polba – Dadpur in Hooghly district was the proposed site. During site inspection it was observed that the said road is for upgradation purpose and previously laid brick bats were not completely removed. Considering the fact that JGT will work when laid on the sub-grade soil, in consultation with Sri Choudhury Prof. Roy advised them to remove the entire layer of brick bat from the surface and compact with roller before laying JGT. The agency had started to do the same from one end of the road.

However, after removing the brick bat layer from two different locations field CBR were measured by IIEST and soil samples were collected for testing at IIEST lab to find the properties like, Plasticity Index, MDD, OMC, CBR etc.

It was decided that after preparation of the sub-grade layer as suggested the team will again visit the site for providing installation guidance of JGT. The agency who has placed order for 16,000 sq. m JGT with Shyamnagar North Jute Mills and partially lifted the material was advised to get the JGT sample tested from an accredited laboratory before taking delivery of the fabric from jute mill. A set of technical literatures was given to the concerned AE for their reference and laying method of JGT was explained to the agency in presence of the entire visiting team.
Photos on Inspection & collection of soil samples from rural road under PMGSY near Pandua, Hooghly to be constructed with JGT.