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भारत सरकार Government Of India
रेल मंत्रालय Ministry Of Railways
(रेलवे बोर्ड) (Railway Board)

Minutes of Brain-Storming Session on "Technology Mission on Indian Railways"

Held In Railway Board on Monday, 28th July 2014

1. In terms of communication vide note no. 2014/CE-I/Innov./4, dated 22.7.14, all the Civil Engg. officers in Railway Board were requested for the interactive session for formulating the "Technology Mission on Indian Railways" for meeting the future challenges through introduction of technological advancements on Indian Railways. The following officers attended and made fruitful contribution -

S/Shri		S/Shri	
Sudheer Mittal	*Adv./Bridge*	Alok Kumar	*EDCE(G)*
Shyam S. Gupta	*EDTk/P*	Pramod Sharma	*ED/PSU*
Santosh K. Agrawal	*EDCE/B&S*	K. Mal	*EDE(Res.)*
R.N. Singh	*EDTk/M*	Kailash K. Aggarwal	*ED/WP*
Anil Kumar	*Dir.CE(G)*	Tushar K. Pandey	*Dir. Tk(Mc)*
Alok Kumar	*Dir.Safety-IV*	Pankaj Tyagi	*Dir.CE(P)*
Anis ur Rahman	*Dir.W-2*	Vinod K. Tripathi	*Dir. Tk(M)*

2. On the occasion of the 56th anniversary of India's Independence - 2003, the then Prime Minister of India Shri Atal Bihari Vajpayee announced from the Red Fort several new initiatives for India's all-round development and one was as under :

"Infrastructure Development - A 'Technology Mission for Railway Safety' will be set up to comprehensively address safety-related issues in Indian Railways. This will be done in collaboration with the Department of Science & Technology, IIT Kanpur and a consortium of private sector companies."

3. It was part of Govt. of India's 'Technology Development Programme' when the consortium of User Ministry, Academia/Research Institutions and Industries developed many world competitive indigenous technologies and thus, helped in advancement & development of the country.

4. Accordingly, as per PM's announcement, Ministry of Railways sanctioned the 'Technology Mission on Railway Safety' (TMRS) at a cost of Rs. 28 crore with contribution from Ministry of Railways, Ministry of HRD and Industries in the ratio of 30 : 50 : 20. Initially, 12 projects were conceptualized in TMRS and it proved to be a success when 9 technologies could be developed with related source codes etc. being available in India and that too, with investment of only Rs. 7.06 crore from Indian Railways. It is also mentioned in RDSO's letter no. R2/145/CSP/Vol.VII/Pt.I, dated 01/02/2011.

5. The TMRS project, with office at IIT Kanpur, progressed through a Mission Management Committee (MMC), jointly chaired by Director/IITK & DG/RDSO alongwith representatives of Railways, Academic/Research Institutions & Industries and Prof. N.S. Vyas from IITK as Mission Coordinator. All the consortium partners contributed their respective shares of investment to TMRS and the Project Leaders for each identified project were allotted money as per progress in their projects and recommendation of the MMC.

6. Taking the positives from the success of TMRS with consortium approach, it has been deliberated that Ministry of Railways should further take a lead in technological advancement through sanction of "Technology Mission On Indian Railways" (TMIR). In this connection, a meeting was also held on 22nd July in Railway Board with Prof. N.S. Vyas, Vice Chancellor, Rajasthan Technical University (the then Mission Coordinator of TMRS) in terms of his letter, dated 19.7.14 to Board.

7. Although R&D is being taken up regularly on IR, but at times, the ideas remain only on paper and these do not get converted to reality due to non-clarity about the means for such development. It was considered appropriate that a brain storming session be held with all the officers for formulating the new Mission for technologies required in all disciplines of functioning on Indian Railways.

8. In today's session, many project ideas were deliberated. It was requested that one page Concept Note be prepared for each project conceptualized by various Directorates. It should comprise of Project Name, Scope/Deliverables envisaged, the possible Resource Centres in the form of Academic / Research Institutions / Industries in India/abroad etc. Such concepts may then be discussed for all the Departments & Organisations on Indian Railways and formulation of "Technology Mission on Indian Railways" may be initiated in association & consultation with Department of Science & Technology, Ministry of HRD, Ministry of Industries etc.

9. The subject matter was also discussed by EDCE(G) with D.G. and ED/Research at RDSO on 23rd July. RDSO has also shown willingness for similar exercise of project/ technology conceptualization and 'TMIR' formulation at an early date.

(No. 2014/CE-I/Innov./4, New Delhi, Dated 28.07.14)

28.07.14

(आलोक कुमार)

कार्यकारी निदेशक / सिविल इंजीनियरिंग(जी) / रेलवे बोर्ड

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