Minutes of the meeting of Mission Implementation and Co-ordination Committee (MICC) of Technology Mission on Indian Railways (TMIR) held in Railway Board on 22nd May, 2018

A. Members Present

1) Prof. N.S. Vyas, Chairman & Prof. IIT, Kanpur
2) Sh. Prem Sagar Gupta, Co-Chairman & Executive Director/CE(G), Railway Board
3) Sh. Ajay Nandan, Executive Director Mech. Engg. (Fr.)
4) Sh. S.K. Singh, Executive Director (Research)/RDSO
5) Sh. Vikas Arya, Executive Director (E&R), Railway Board
6) Dr. Neeraj Sharma, Advisor/DST
7) Sh. O. P. Tantia , MD/ BESCO Ltd., Kolkata
8) Dr. S.D. Sherlekar, Former Head/Embedded Systems, TCS

B. Members absent

1) Dr. Kalpana Dube, Executive Director (Finance)/RDSO
2) Sh. R. Subrahmanyam, Secretary, Ministry of HRD

Chairman granted leave of absence to them.

C. Other participants

1) Sh. J. Lal, Director (Efficiency & Research)/ME, Railway Board
2) Sh. Vineet Singhal, Director(Research), RDSO

1. At the outset, Chairman welcomed the new Co Chairman, new member (EDME/Freight) along with other members. A brief presentation was given by E&R Directorate informing the members about the newly constituted MICC and opening of the account for TMIR at RDSO. A draft procedure for conduct of TMIR, in conjunction with MMM, was discussed. The procedure for sanction of projects was discussed as below.

1.1 Projects to be undertaken under TMIR will be identified by RDSO in consultation with all the stakeholders. Academia/industry may also forward projects to RDSO. However in case RDSO don't find merit for consideration, MICC can review and the final authority to consider such projects or any new projects lies with it.

1.2 Shortlisted projects from RDSO will be forwarded to E&R Directorate/Railway Board after the approval of DG/RDSO for comments and technical scrutiny of concerned Directorate of the Railway Board.

1.3 Once technical scrutiny is done, the shortlisted projects will be discussed by MICC after which projects considered for taking up under TMIR will be approved and sanctioned by MICC. This approval of MICC will be incorporated in the minutes backed by signature of the members received on such project/projects. Finally, a formal Memorandum should be issued by RDSO for sanctioned projects so as these are treated as sanctioned project/projects under TMIR.

1.4 It was decided that this should be subsumed in the Mission Management Manual (MMM). The amended MMM should be put up for approval in the next meeting with a brief presentation by Director (E&R) about the changes made.

2. The following three projects, sanctioned earlier under TMIR, were discussed:

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S.No	Project
1.	Design Methodology & software development for Railway Formation Design - IIT Roorkee (Geo Tech.)
2.	Design of Advanced Performance Next Generation Freight bogie design - IIT Kanpur, KTH Sweden
3.	Development of capability for testing of high speed rolling stock - IIT Kanpur, RWTH, Aachen, Germany

2.1 It was decided that the projects at S.No.1 and S.No.2 above should be expedited for which RDSO should nominate Executive Directors to coordinate and monitor the projects approved by MICC on a continuous basis.

2.2 Regarding the project at S. No. 3 i.e. *"Development of capability for testing of high speed rolling stock - IIT Kanpur, RWTH, Aachen, Germany"*, it was noted that a new work has got sanctioned by RDSO under PH-18 for *'Change over to UIC-518/EN-14363 Criteria'*. ED/Testing/RDSO will make a presentation about the scope of this work in the next meeting, so that MICC can relook at this project and decide whether to go ahead.

2.3 It was decided that before the next meeting, some projects may be identified by RDSO in consultation with other stake holders for taking up under TMIR. The projects can also be received by RDSO through academia for discussion and taking up under TMIR. Also, since MHRD has apprised that they would release funds through their IMPRINT scheme and have asked for a list of sanctioned projects, such projects should be identified by RDSO and placed before the MICC for consideration for sending to them for releasing the necessary funds.

3. System of share of funding was discussed and it was decided that any particular project can be funded entirely by a partner of the consortium with in their overall share. The Project at S. No. 2 above, *"Design of Advanced Performance Next Generation Freight bogie design - IIT Kanpur, KTH Sweden"* has been sanctioned to be funded entirely through Ministry of Science & Technology. DST has agreed to process the proposal as per the decision of the MICC and the MoU under overall budgetary ceiling for DST for TMIR. However, since the proposal was submitted nearly 2 years ago, DST would have a discussion with the Indian PIs (Project Investigators) for any procedural and budgetary changes in the project proposal, that they may feel essential in the present context and pricing.

4. It was decided that from now onwards TMIR meetings will be conducted by E&R Directorate of Railway Board. The TMIR Cell operating in Railway Board would also be merged with E&R Dte. and PPS/TMIR would report to ED/E&R.

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Dated 27.06.2018

o/c Prem Sagar

(Prem Sagar Gupta)
Co-Chairman/MICC &
Executive Director/CE(G), Railway Board

Copy to:

I. Director General, RDSO, Lucknow
II. Chairman and Members of MICC of TMIR