

List of Papers for IPWE-2020

SN	TOPIC	AUTHOR
A: PAPERS TO BE PUBLISHED & RECOMMENDED FOR PRESENTATION		
<i>Session 1: Optimizing and improving output of track machines during traffic blocks</i>		
1.1	A precious Commodity Deserves High Level Technical and Managerial input	- J.S. Mundrey - (President- Rail Consult India)
1.2	Optimization of NTC and associated track machines in mechanized track laying in DFCC Project	- Veer Narayan, VP/ PMC, - Rlys and Metro, Systra India - D. K. Singh, GGM/DFCCIL
1.3	Increasing the Productivity of Track Machines: An Invention or Discovery?	- Vijay Pandey (Dy. CE /Track II /WCR) - Rahul Jaipuriyar (Ex. DGM /WCR)
1.4	Design mode tamping of track using trimble gedo vorsys measuring trolley- A case study in BPQ-KZJ Section of South Central Railways	- Akshay Jha, chief track engineer - D.S.Rama Rao, Sr. Divisional Engineer/North/SC Division - P.Devender, SSE/PWay/SW/SC
1.5	Effect of using Longer Measuring Chord in Tamping Machine	- Praveen Yadav, XEN/C/JU/NWR - Pravandra Singh, DEN/W/JU/NWR
1.6	Innovation in BCM Machine to Optimise and Improving output during traffic Blocks	- Pankaj Soin, DyCE. TMC.II - M.K. Gupta, Chief Engineer/Track machines
1.7	Proper method of correcting large alignment defect in Tangent Track Requiring multiple round of tamping	- Anil Choudhary, Sr. Professor, IRICEN
<i>Session 2: Accelerated construction of Doubling Projects</i>		
2.1	Faster Execution of Doubling Works- Station Yards the Bottlenecks	- Vikram Gupta, Chief Engineer/Track Procurement/SCR - Rajiv Tanwar, Director/ Track Modernisation/ Railway Board
2.2	Acceleration Using Modern Technologies: Light Detection and Ranging (LiDAR) & Seismic Refraction Survey	- Rajneesh Saroj - (Dy. Chief Project Manager, NHSRCL, Mumbai, CR)
2.3	Role of detailed Plan-Profile sheets in safe and Time bound Construction of Dedicated Freight Track Corridors in Mumbai Suburban Area	- Rajeev Tyagi, Anurag Rastogi - Mumbai(South)DFCCIL
2.4	Case study on Accelerated Construction of Danae – Ranchi Road doubling project of Dhanbad Division	- Sitesh Kumar Singh, Chief Engineer/Construction\South East, East Central Railway, Patna, India - Ashutosh Chourasia, Dy. Chief Engineer/ Construction, East Central Railway, Hazaribagh, India
2.5	Accelerated construction by avoiding delays in doubling projects	- S.K.Sinha (Ex-IRSE), Project Director, IRCON

2.6	Accelerating commissioning of doubling projects – techniques applied, lessons learnt and way forward	- Arvind Jain CRS, Central Circle, Mumbai - Naresh Lalwani, Principal Chief Safety Officer, WR, Mumbai
2.7	Multipronged strategy to tackle complexities in Ginigera Yard Remodeling (A Bottleneck in Doubling Projects)	- Nitish Kumar Ranjan Dy. CVO/Engg/SWR
Session 3: Accelerated construction of Doubling Projects		
3.1	Importance of Bridge Drawings in Speedy Execution of Doubling Projects and their Fast Track Approvals	- Shrirang Kamble, Dy. CE(C)/Design/CR - Pradeep Bansode , XEN(C)/Design/CR
3.2	Pre-Engineered or Pre-Fabricated Building, the time saving nouveau solution to speedy building construction over Railway Projects	- Mona Srivastav, Chief Engineer, N.Railway - Kaushal Sharma, XEN/C/TKJ,N.Railway
3.3	Innovative ways for Track Works in Yards for Faster Commissioning of Doubling/Tripling on SC Railway	- Hemant Kumar Bhagoria, Chief Engineer/Br. Rehab./SCR - Ch. Srinivasulu, Rtd SSE/C/PW/SCR - J. Rajkumar, SSE/C/Works/Akola/SCR
3.4	Faster Construction Methods in Launching of Open Web Girders on EDFC	- Atul B Khare, Chief General Manager/DFCCIL - Sanjay Singh, Chief Bridge Engineer Systra
3.5	Suggested measures for Accelerated Construction of Doubling Projects in Indian Railway	- R. Shekhawat, Senior Professor (Projects), IRICEN, Pune - B. N. Bhaskar, Chief Engineer/Con.-1/N. F. Railway, Maligaon
3.6	New Mechanized construction techniques for fast paced Construction of Railway Projects	- Ashutosh Rankawat, Executive Director, DFCCIL - Sanjay Gupta, Chief General Manager, Ahmedabad DFCCIL
3.7	Accelerated construction of Doubling Projects A Template For Survey & Planning	- Anang Pal Malik
Session 4: Miscellaneous		
4.1	Why IR need high strength rails	- Vipul Kumar, Chief Project Director, NR
4.2	Independent Project Management Audit	- Sudhir Kumar, Chief Commissioner of Railway safety (Retd.) - Shashank Vaidya, Director, Gem Engineering, Mumbai
4.3	Analysis of performance of improved SEJ (T-6902) in the field	- Manoj Arora, CTE, Western Railway - Vaibhav Saklecha, Divisional Engineer (South) Ratlam, Western Railway - Kamlesh More, sse (Metallurgy) CCG, Western Railway
4.4	Construction of hybrid pile foundations: a case study of hybrid pile foundation p3 of bridge no. 43 at Bakkal of USBRL project	- Praveen Kumar, IRSE 2009, Senior Safety Officer/Engg., Safety Organisation, Northern Railway
4.5	Deterministic Approach to Assess the Track Modulus in Shake Down State of Track Ballast	- S.K. Agarwal, Prof. Birdge, IRICEN - Md. Ubaid, ADEN, BDC, ERly

4.6	Improving quality of AT Welding on S.C. Rly- A case study	<ul style="list-style-type: none"> - Akshay Jha, chief track engineer - P.V.N. Naidu, ADEN/LINES/Vijaywada - G. Kiran Babu, Sr. Instructor/TWTC/Vijaywada - A Karthik Roy, JE/PWay/HQ/SCR
4.7	International Practices in Sustainable Transport Infrastructure Development	<ul style="list-style-type: none"> - Saibaba Ankala (Chief Engineer, IR)
4.8	Various methods of Rail Flash Butt Welding on IR and their merits & demerits for capacity enhancement works including doubling projects	<ul style="list-style-type: none"> - I.C. Subhas, XEN/FBWP/GD/NER - B.P. Awasthi, CPD/BW/NER
4.9	Railway Infrastructure Investment Plan (FY 20-25)	<ul style="list-style-type: none"> - Piyush Agarwal, AM/Plg, RB - Shailesh Kumar Mishra, ED/Plg(civil), RB - Arun Kumar Tiwari, Director/PPP(Civil),RB
Session 5: Presentations by Trade & Industry		
Suitable time slots may be allotted for the presentations		
5.1	Advantages of tensile fabric structures in accelerating the doubling projects (Tensile Roofing Structures)	<ul style="list-style-type: none"> - Priyanka Latwal, Raja Kishore Dash - Low and Bonar
5.2	Stabilization of railway track using of geogrid and geotextile	<ul style="list-style-type: none"> - Sonal Kulkarni, manager, Maccaferri Env Sol Pvt Ltd., - P.V. Rao, Sr. Vice President Rail Infra, - Taha Masvi, Dy. Manager, Estimation, Howe Engineering Projects (India) Pvt. Ltd, - Ratnakar R. Mahajan, Regional Technical Manager, ISEAP, Maccaferri Env Sol Pvt Ltd.
5.3	Environment friendly construction and Waste management in Khurja – Dadri section of Dedicated Freight Corridor: A Sustainable Approach	<ul style="list-style-type: none"> - Md. Tanveer Khan, Project Manager (Engineering), DFCCIL, Eastern Corridor, Noida. - Ashish Kumar, Environment Manager, Tata Projects Limited (JV)
5.4	Hexagon Railway Solutions	<ul style="list-style-type: none"> - Ashok Sharma- Vice President, Hexagon
5.5	FEM Analysis of Railway Embankment with Enhanced Load Capacity on Poor Subgrades	<ul style="list-style-type: none"> - Arghadeep Das Gupta - Abhineet Godayal - Surada yadava Rao Spar Geo InfraPvt. Ltd. India
5.6	Internet of things	<ul style="list-style-type: none"> - Rakesh Chopra, Ex. Rail Board member - Sudip Majumder, GM Digital, L&T
5.7	Online monitoring of railway track health through an integrated system & network using laser and ultrasonics; design of train collision avoidance system using track vibrations	<ul style="list-style-type: none"> - Rabindra Kumar Pradhan, Dept. of ECE, KMBB Engineering College, Bhubaneswar, Odisha, India - Balaram Behera, Gangavaram Port Ltd, Visakhapatnam, India

B: PAPERS TO BE PUBLISHED & NOT RECOMMENDED FOR PRESENTATION		
1	Optimizing and Improving Output of Ballast Cleaning Machine (BCM)	- S. K Srivastava, DRM/BKN - M. M. Upadhyaya, Sr DEN/C/BKN
2	Fast pace deep screening of turnouts by BCM after slewing the adjacent main line and extensive use of JCB for removing obstruction	- Anant Kumar, Sr.DEN/South/BRC, Vadodara Division, Western Railway
3	A step towards improving BCM operation efficiency and the track maintenance system	- Raghavendra Pratap Singh, Project Manager, National High Speed Rail Corporation - Deepankar Choudhry, Institute Chair Professor, Department of Civil Engineering, IIT Bombay
4	Geocell: An Emerging Technique of Soil Reinforcement in Civil Engineering Field & Faster way of soil Stabilization	- Akhil Kumar Agarwal & Rajesh Kumar Garg - (Chief Engineers/NR)
5	A Case Study: "Balance Doubling Between Lucknow- Sultanpur-Varanasi (148Km doubling Work)" and Critical Issues Observed	- Sunil Kumar (IRSE-99 Batch, Dy. Chief Engineer TP/NR)
6	नई रेलवे लाइन एवं दोहरीकरण निर्माण परियोजनाओं को गित प्रदान करना	- एन आर बैरवा, सहायक मंडल इंजिनियर-जूनागढ़ (भावनगर-डिवीजन), पश्चिम रेलवे
7	Accelerated construction of doubling project	- H.S.Yadav, CAO/C-2/NFR, Guwahati - B.N. Bhaskar, CE/C-1/NFR, Guwahati
8	Proposal for Standardization of Tunnel Cross Section, design and Drawings in Indian Railways	- Mr. Avijit Majumder, Deputy Chief Engineer /CON/Design-2/Maligaon - Mr. Koteswar Ponnala, Deputy Chief Engineer /CON/Design-1/Maligaon - Mr. Manas Ranjan Mohapatro, Junior Engineer/CON/Design-1/Maligaon
9	Accelerated construction of Doubling/Multiple Line Projects	- Sri J.N.Lal Das, Retd. Principal Chief Engineer/S.E.Rly, Ex- Chief Administrative Officer/Con./E.C. Rly
10	Influence of Non-Linear Behavior of Track Fastening System on Track Modulus	- Valji Shinde, Pursuing Ph.D., Sinhgad College of Engineering, Vadgaon (Bk), Pune, - Dr. S. S. Sarawade, Professor, Mechanical Engineering Department, M.E.S. College of Engineering, Pune, Maharashtra, India - Prof. S. K. Agarwal, Bridge Engineering Department, IRICEN, Pune, Maharashtra, India
11	Convergence of MGNREGS with Railways and thereby Utilizing for Permanent way Activities	- Pratham Agarwal - (Assistant Executive Engineer, Construction, CR)

12	Slope Erosion Control and Protection System adopted in Eastern DFCCIL Project for Railway Formation for speedy Construction	- Atul B Khare, Chief General Manager/DFCCIL
13	Optimising use of traffic blocks with integrated approach and block management system	- P Srinivas, Divisional Railway Manager, Vijayawada
14	Planning of Doubling Project for Accelerated Construction	- C.M. Gupta, Sr. Professor/Br.2. Indian Railway Institute of Civil Engineering, Pune
15	Use of tamping simulator for optimizing track parameters and fast progress during maintenance by track machines	- Satya Prakash Mishra, Dy CE/TP/NCR
16	Correlation Between TRC Recordings and Field Measurements – Development of Sahnewal New Morinda Section- As Dedicated Test Stretch	- Rahul Singh, Joint Director Track Machines/RDSO - R.P.Tewari, Director track Machines RDSO
17	Excel Program for Analysis of Fixed Arches	- M. P. Singh, DBS/CB-I/RDSO - K. Pandey, ADE/CB-I/RDSO - Dinesh Tudu, SSE/D/CB-I/RDSO
18	Optimising and Improving Output of Track Machines By Group Working Of Machines In N.F.Railway	- Shri S P Deshmukh, CE/TMC/NFR - Shri J P Singh, CE/Works/NFR (Ex Sr. DEN/C/RNY) - Shri Gurjit Singh, Dy CE/TMC/NFR (Retd.)
19	Online monitoring of railway track health through an integrated system & network using laser and ultrasonics; design of train collision avoidance system using track vibrations	- Rabindra Kumar Pradhan, Department of ECE, KMBB Engineering College, Bhubaneswar, Odisha, India - Balaram Behera, Gangavaram Port Limited, Visakhapatnam, India
20	Experience over the Planning, Design and Execution of the Rohtak Meham Hansi new Line Project in Engineering Procurement and Construction (EPC) mode.	- Mona Srivastava
21	Improving output of Through tamping and TTR works for raising of sectional speed	- B.N.S.Chalam, Chief Project Manager, Chennai Division, Southern Railway
22	Steel sheet pile as a protective wall in urban & other projects of Railway	- D.K.Mishra, DyCE/C/Ghatkopar, C.R. - G.S. Yadav, Professor Bridge, IRICEN
23	Applying En Standards To The Design Of 1-In-12 Turnout (60kg, With Curved Thick-Web Switch: RDSO/T-6154), To Permit 160 Km/H On Straight Track And 50 Km/H On Divergent Track, With Reliability	- S. Gopalakrishnan, Retd. Additional Member Works (Ex. Director/IRICEN & Ex. Technical Adviser, Gamuda Engineering Sdn Bhd, Malaysia)