RBE No. 110 /2023

आज़ादी का अमृत महोत्सव

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

G20 भारत 2023 INDIA

वसुधैव कुटुम्बकम्
ONE EARTH · ONE FAMILY · ONE FUTURE

No. E (MPP)/2023/3/21 **New Delhi, dated 21.09.2023**

The General Manager,
All Zonal Railways/PUs
Metro Railway, Kolkata
CORE, Allahabad
DG/RDSO/Lucknow
CAO/DMW/ Patiala
CAO/COFMOW/New Delhi
ED/CAMTECH/Gwalior

DG/NAIR/Vadodara
DG/IRITM/Lucknow
DG/IRIEEN/Nasik
DG/IRICEN/Pune
DG/IRISET/Secunderabad
DG/IRIMEE/Jamalpur
DG/ IRIFM/ Secunderabad
DG/ JRRPF/ Lucknow

Sub: Certificate course in basics of railway construction project supervision (Civil)

Ref: NAIR's letter no. NAIR/SPCE/RB Corresp. dt. 03.08.23

One of the recommendations (Item no. 3.2 - Skilled Personnel)) given during Chintan Shivir-2023, held on 1st and 2nd June, 2023 at Manekshaw Centre, New Delhi was regarding introduction of Certification Courses (3 to 6 month) on track by Railway Training centres to ensure availability of skilled supervisors for PSS & PMS.

2. The matter has been considered in Board's Office, and a 05 day (30 hrs.) certification course for PMS/PSS/Contractors engineers at IRICEN titled **"Certificate course in basics of railway construction project supervision (Civil)"** prepared by IRICEN and forwarded by NAIR has been approved by Board (Member/Infrastructure).

3. Accordingly, the "Certificate course in basics of railway construction project supervision (Civil)" has been scanned and uploaded under **MPP Training Circulars** on 'Indian Railways' website and can be viewed or downloaded from Railnet.

4. Kindly acknowledge receipt.

D. A. : Certification Course (02 Pages)

(A. K. Das)
Joint Director/E (MPP)

No. E (MPP)/2023/3/21 **New Delhi, dated21 .09.2023**

Copy to:

1) The General Secretary, NFIR, 3 Chelmsford Road, New Delhi for information (Copy may be downloaded from E(MPP) Training Circulars/Railnet/Internet).

2) The General Secretary, AIRF, 4 State Entry Road, New Delhi for information (Copy may be downloaded from E(MPP) Training Circulars/Railnet/Internet).

3) The Secretary General, FROA, R.No.256-A, Rail Bhavan, New Delhi for information (Copy may be downloaded from E(MPP) Training Circulars/Railnet/Internet).

4) The Secretary General, IRPOF, R.No.268, Rail Bhavan, New Delhi for information (Copy may be downloaded from E(MPP) Training Circulars/Railnet/Internet).

5) All Members, Department Council & Secretary Staff side National Council 13-C, Ferozeshah Road, New Delhi (Copy may be downloaded from E(MPP) Training Circulars/Railnet/Internet).

6) The Secretary General, AIRPF Association, Room No.256-D, Rail Bhavan, New Delhi (Copy may be downloaded from E(MPP) Training Circulars/Railnet/Internet).

7) General Secretary, All India SC & ST Railway Employees Association, 171/B-3, Basant Lane Railway Colony, New Delhi (Copy may be downloaded from E(MPP) Training Circulars/Railnet/Internet).

For Principal Executive Director (IR) /Railway Board

No. E (MPP)/2023/3/21 **New Delhi, dated21 .09.2023**

Copy to:

i) PS & ED(PG) to MR, MoSR (D) & MoSR (J)
ii) PSO/Sr.PPS to CRB, MF, M(Infra.), M(TRS), M(O&BD), DG(HR), DG(RHS) & DG(RPF)
iii) Sr.PPS/PPS/PS to AM(Budget), AM(CE), AM(C&IS), AM(Comml.), AM(Traction), AM(Fin), AM(Mech.), AM(Plg.), AM(Project), AM(PU), AM(Sig.), AM(Staff), AM(RS), AM(T&C), AM(Tele), AM(TT), AM(Works), PED(Vig.), PED(Safety), PED(Coaching) LA,
iv) ED(Plg.), ED(Accts.), EDCE(B&S), EDCE(G), EDCE(Plg.), ED(CHG), ED(CC), ED(C&IS), ED(E&R), EDEE(Dev), EDEE(G), EDE, ED(RRB), EDE(N), EDE(Res), EDF, EDF(B), EDF(X)I, EDF(X)II, ED(H), JS(C), EDME(Chg.), EDME(Fr.), ED(PC)I, ED(PC)II, EDRE, ED(Safety), ED(Safety)-II, IG./RPF(Hqs), ED(Sig.), ED(SP), EDRS(G), EDRS(S), ED(TD), EDTC(R), EDCE(P), ED(PM), ED(FM), EDPG, EDTT(F), EDTT(S), EDV(E), EDV(Elect), EDV(T), EDVE(S), ED(W).
v) Chief Commissioner of Railway Safety, Lucknow.
vi) E(Trg.), E(NG)I, E(NG)II, E(G), F(E)I, F(E)II, F(E)III, E(SCT)I, E(SCT)II branches of Railway Board.

Certificate Course in Basics of Railway Construction Project Supervision (Civil)

Duration: 5 days

SN	Subjects / Topics	Duration (in Hours)	Faculty
1	**Introduction, Bio-data**	1	IRICEN
2	**Introduction to Railways**		
a)	Organisation of Railway (Division, CN and Headquarters), relevant to Railway Projects (NL, GC, DL, ROB, Station Redevelopment Works)	1	IRICEN
b)	Basics of track components, curves, yard layouts, LC gates. Introduction to SWR, LWR	4	IRICEN
3	***Safety during project execution***		
a)	Provisions of IR Schedule of Dimensions, relevant to Railway project works	1	IRICEN
b)	Overview of train operations and taking Traffic/power blocks	2	IRICEN
c)	*Safety at work sites* • While working near tracks • Dismantling of structures • Working in Electrified and Track Circuited/ Signalling territory		IRICEN
4	**Earthwork**		
a)	Basics of embankment design	2	IRICEN
b)	Compaction and Quality Control in Earthwork	2	IRICEN
5	**Concrete Technology**		
a)	Concrete technology & quality Control of concreting works	2	IRICEN
6	**Type of Bridges & bridges Bearings**		
a)	Types of bridges used on IR & related terminologies	3	IRICEN
b)	Bearing types, acceptance, testing & installations		
7	**Foundations for Structures**		
a)	Shallow foundation , pile and well foundation execution and quality control	2	IRICEN

8	**Steel Structures**		
a)	Fabrication of steel girders, including composite girders	2	IRICEN
9	**Launching of Girders**		
a)	Launching of steel/Concrete /PSC Girders, FOBs	2	IRICEN
10	**Field visit of Metro/Construction site**	2	IRICEN
11	**Miscellaneous**		
12	Role of PMS & PSS Engineers in work execution	2	IRICEN
13	Exam for certification	1	IRICEN
14	Feedback and Valedictory-Nil	1	IRICEN
	Total	30	