



पश्चिम रेलवे
Western Railway

WESTERN RAILWAY

Headquarter Office,
Churchgate,
Mumbai-400 020.

P. S. No. 65/2015

No. E(R&T) 1136/0/Policy

Date : 26/06/2015

All DRMs/CWMs & Unit Incharge,
C/- Gen. Secy. WREU-GTR / WRMS-BCT
C/- Gen. Secy.-All India SC/ST Rly. Emp. Assn. W. Zone-Mumbai
C/-Gen. Secy.-All India OBC Rly. Emp. Assn.-Mumbai

Sub: Training of Supervisors on subjects related to "Environment
and Climate Change"

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A copy of Railway Board's letter No. E(MPP)2015/3/15 dated
08/05/2015 is enclosed herewith for information, guidance and necessary
action.

Encl: As above.

Kamath
(N. M. Kamath)
SPO(R&T) 26/6/15
For General Manager (E)



GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
RAILWAY BOARD

No.E(MPP)2015/3/15

New Delhi, dated: 8.05.2015

The General Managers,
All Indian Railways and
Production Units.

Sub: Training of Supervisors on subjects related to "Environment and Climate Change

Ref: CRB's letter No.2015/Environ/06/01 dated 24.2.2015

Further to the above reference, a letter No.2015/Environ/06/01 dated 14.2.2015 has been issued to Director General/NAIR and Directors of other CTIs (Copy enclosed). This letter stresses the importance on appropriate training to improve the awareness and knowledge among Railway Officers on the current trends in the field of 'Environment and Climate Change'. It is necessary for supervisors of various departments, particularly those in the technical as well as Traffic Deptt., who are in the cutting edge level, are also imparted with appropriate knowledge on 'Environment & Climate Change' including laws concerned. Hence, the Main Training Centres functioning in various Zonal Railways & PUs may kindly be geared up to organize training for supervisors of various departments, when they come for initial and Refresher Training.

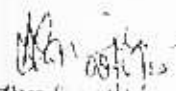
2. As part of the training, following subjects can be covered:

- Pollution Control, Environment Management System & Accreditation
- Energy Management including Energy Audit
- Water Management including Water Audit
- Solid Waste Management.

3. It is seen that a quite a few officers as well as supervisors have obtained special qualification on the subjects related to Environment Management. They can be identified and suitable database prepared and shared with Board. Further, they could be involved in preparation of the training modules on same as well as for the purpose of imparting training. Zonal Railways/PUs can come forward and choose a subject of their choice out of the above items and advise Board so that suitable instructions could be issued to prepare specific training module for supervisors for use by other Railways/PUs also.

4. Kindly send your response indicating the actions taken/proposed to be taken on para 2 & 3 above.

DA: As above.


(Anuradha Singh)
Director (MPP)
Railway Board

A.K. MITAL



संघीय गणराज्य

अध्यापक, रेलवे बोर्ड

एवं

प्रधान प्रमुख सचिव, भारत सरकार

रेल मंत्रालय

रेल भवन, नई दिल्ली-110 001

CHAIRMAN, RAILWAY BOARD

&

EX-OFFICIO PRINCIPAL SECRETARY,

GOVERNMENT OF INDIA

MINISTRY OF RAILWAYS

RAIL BHAVAN, NEW DELHI-110001

No.2015/Environ/06/1

24-2-2015

My dear

Sub: Monitoring of Performance on Environment Management including works for improvement of Environment.

Ref: Advisor (Environment)'s letter of even number dated 7.1.2015.

You are aware that an exclusive Environment Management Directorate has been set up in Railway Board and Zonal Railways/PUs have been advised to take appropriate actions for increasing their thrust & focus on all issues of Environment Management. Only a few Zonal Railways/PUs have however, responded so far to Railway Board's reference above, giving the details of Actions Taken/underway on Environmental issues.

You are advised to report in your MCDOs the status/progress made on various Environmental issues in the format enclosed herewith.

It is also proposed to institute a separate MR's Shield for Environmental Management to be given to the best performing Zonal Railway/PU from the year 2016 onwards during the Railway Week celebrations. Norms for the same will be advised soon to Zonal Railways & PUs. Accordingly, you may tune up the actions on Environment Management in your jurisdiction so that improvements are evidenced quickly.

With best wishes,

Yours sincerely

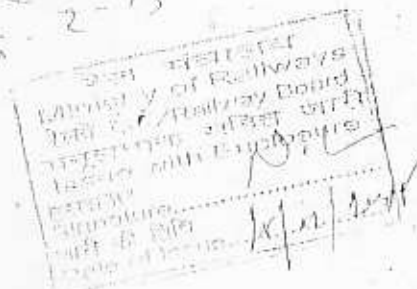
Encl:-

- (i) List of item for focus
- (ii) Format for reporting the Performance on Environment Management

(A.K. Mital)

o/c

25-2-15



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2/2/15

Sub: Areas of focus on 'Climate Change'/Environmental issues, spelt out by Hon'ble PM

Ref: Para 11 of MoEFCC's letter No. 14/10/2015 dt 05.02.2015

- (a) Development of integrated mission in solar, biomass and wind energy for NAPCC. Purpose and using a hybrid approach for solar and wind projects;
- (b) Development of solar projects along international borders and on all government buildings, stadia and airports;
- (c) Expanding water mission to cover surface, ground and waste water dimensions for use efficiency, groundwater recharge, reduced pollution
- (d) Developing mission on wastewater and solid waste treatment for capturing GHG gases as also generating electricity and bio-fertilizer;
- (e) Use of public funding (MPLADS and CSS) for energy efficient crematoria, smokeless Chuhla, Biogas plants and similar initiatives;
- (f) Scaling up educational efforts of colleges and training institutions on climate resilient technologies through curricular changes and pedagogy;
- (g) Use of technology in tree enumeration and use of tree cover for boundary demarcation
- (h) Focused follow up of hydro power and nuclear power projects, efficient lighting measures (LED, BLY, etc)
- (i) Development mission on coastal area security, advance warning and adaptation as also focusing (R&L) on areas of carbon capture & storage, fuel cells, electric car, renewable energy storage etc.
- (j) Completion of data on all initiatives (Metro, Flyovers, Freight Corridors, smokeless Chuhlas, Biogas plants, energy efficiency initiatives/PAT/BLY, renewable energy projects, etc) that make positive impact on carbon emissions for presenting India's initiatives. We may also document them and use these inputs in exhibitions;
- (k) Documenting the best practices/initiatives on Climate Change undertaken in India and abroad and spreading them for replication;
- (l) Acknowledging and encouraging State/National level best practices/initiatives on Climate Change in India by instituting PM's awards

Performance on Environment Management for the Month of _____

Item/Description	Target for the Current Year	Performance for Last Year (Cum.)	Performance (Current)		Remarks on the item
			Cum. (upto last month)	In current month	
1.0 Electrical Energy consumption					
1.1 Traction					
a) Total energy consumed (KWHr)					
b) Specific Energy Consumption (SEC)					
1.2 Non Traction energy consumed (KWHr)					
2.0 HSD oil consumption					
2.1 Traction					
a) Total HSD oil consumption (KL)					
b) Specific Fuel Consumption (SFC)					
2.1 Non Traction Fuel Consumed (KL)					
3.0 Renewable Energy/Bio Fuels					
3.1 Renewable energy sources commissioned (MW)					
3.2 Renewable energy generated (KWHr)					
3.3 Renewable Energy Purchased (KWHr)					
3.4 Bio Fuel Produced (KL)					
3.5 Bio Fuel Purchased (KL)					
3.6 Bio Fuel Consumed (KL)					
4.0 Energy audits done in energy intensive activity centers (Nos.)					
5.0 Water					
5.1 Fresh Water Consumption in A1 & A Cat. Stns, Coaching Depots (> 100 Hdg) & Workshops/PLUs (Kilo Liters)					
5.2 Water Recycling Plants commissioned (Kilo Liters)					
5.5 Water Audit done in major consumption centres (as per 5.1 above)					
5.3 Water Recycling done (Kilo Liters)					
5.4 Locations provided with Rain Water Harvesting (Nos.)					
6.0 Audit & Accreditation for Environment Management (ISO 14001) done (Nos.)					
7.0 Afforestation (Nos.)					details to be attached if needed
8.0 Notices received from PCBs and action taken (Nos.)					details to be attached if needed
8.0 Other efforts made for improving Environment					details to be attached if needed
10.0 Progress of works sanctioned for improvement in Environment					

R&T.

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GOVERNMENT OF INDIA (BHARAT SARKAR)
MINISTRY OF RAILWAYS (RAIL MANTRALAYA)
RAILWAY BOARD

No 2016/Environ/06/01

New Delhi, dt. 01.04.2015

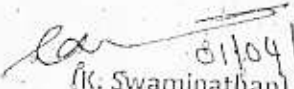
Director,
National Academy of Indian Railways,
Vadodara.

Sub: Training of officers on 'Environment and Climate Change'
Ref: (i) Railway Board's letter No. 2015/Environ/06/01 dt.07/01/15
(ii) CRB's letter No. 2015/Environ/06/01. dt. 24.02.2015.

Consequent to the formation of Environment Directorate in Railway Board in Jan 2015, specific areas of focus & thrust on Environment Management have been identified and advised to zonal railways, PUs and Centralized Training Institutions for stepping up actions and monitoring, vide references above. A specific action plan in the areas of focus & thrust on Environment and Climate change have been stated in the Prime Minister Council on Climate change (PMCCC), as circulated by MoEFCC, as enclosed in CRB's letter cited under Ref(ii) above.

Accountal and control of emission of Green House Gases (GHG) in various activities/sectors has been a subject of importance being dealt in many forums including inter ministerial discussions participated by Ministry of Railways while dealing with the subject on Climate change.

In order to increase the awareness and appropriate knowledge among Railway officers regarding the current subjects in the field of Environment and Climate Change, it is requested that short term training courses may kindly be designed and organized at NAIR, preferably for Railway officers in SA/SG grade level from various zonal railways/PUs, to commence at the earliest. For this purpose, kindly establish contact with Sr. Shriprakash, Retd. MT, who is the IR Chair Professor on sustainable mobility, in TERI University through his Email contacts: registrar@teriuniversity.ac.in & shri.prakash@teri.res.in


(K. Swaminathan)
01/04/15
Adviser/Environment

Copy to:

Director/ IRIMEE, IRICEN, IREEN, IRISSET, IRITM: Kindly indicate the subjects which are being presently taught on Environment & Climate change, as part of any routine or special course, in order to decide the specialization and scope of various training modules required in this field.

Ed/MPP & training/ Railway Board