भारत सरकार (GOVERNMENT OF INDIA)
रेल मंत्रालय (MINISTRY OF RAILWAYS)
रेलवे बोर्ड (RAILWAY BOARD)

No.2018/CE-II/PRT/Engg. Shield/Criteria New Delhi, dt. 22.06.2018

Principal Chief Engineers,
All Zonal Railways

Sub: New Criteria for Inter-Railway Engineering Shield (Civil Engineering Shield)

Inter-Railway Engineering Shield (Civil Engineering Shield) is awarded every year to the chosen Railway(s) for excellent performance in the Railway Week Awards.

It was noticed that a number of important items were not properly covered in the criteria whereas some of the existing items have lost importance with time.

In view of the above, Board (ME) has approved new criteria for deciding Civil Engineering Shield. The criteria to be adopted are available at following link:

http://www.indianrailways.gov.in/railwayboard/uploads/directorate/secretary_branches/criteria_CE_shield.pdf

A copy of the criteria is enclosed herewith for your information please.

DA : As above.

22/06/18
(Pankaj Tyagi)
Director/Civil Engg.(P)
Railway Board

Copy to:

EDTK(M), EDTK(MC), EDTK(P), EDCE(G), EDCE(B&S), ED(L&A)-I, ED/Stn. Dev. Engg. For information and necessary action please.

PPS to AM/CE For kind information of AM/CE please.

## CRITERIA FOR AWARD OF CIVIL ENGINEERING SHIELD
## (RAILWAY WEEK AWARD)

| SN | Item | Concerned ED | Max. Marks | | | |
|---|---|---|---|---|---|---|
| | | | For absolute performance/ Performance against Targets | For improvements over last year | For Volume of work | TOTAL |
| 1 | **LAND MANAGEMENT BUILDINGS** | | | | | |
| (i) | Commercial usage of land and earnings from land | ED/L&A-I | 10 | | | 10 |
| (ii) | Removal of encroachments Prevention of Encroachments | ED/L&A-I | 10 | | | 10 |
| (iii) | Land Plans Digitation | ED/L&A-I | 10 | | | 10 |
| (iv) | Building construction & Service buildings | EDSDE | 13 | | | 13 |
| (v) | Compliance of Budget Pronouncement items | EDSDE | 20 | | | 20 |
| (vi) | Data updation on IRPSM | EDSDE | 3 | | | 3 |
| (vii) | Way leave cases | ED/L&A-I | 5 | | | 5 |
| (viii) | Passenger Amenities | EDSDE | 16 | | | 16 |
| (ix) | Innovation in design, construction and maintenance practices including use of materials in buildings, quarters etc. | EDSDE | 3 | | | 3 |
| 2 | **TRACK** | | | | | |
| (i) | Safety | EDCE(P) | | 15 | 35 | 50 |
| (ii) | Track Renewals | EDCE(P) | 40 | 10 | 15 | 65 |
| (iii) | Deep Screening(Turnouts) | EDCE(P) | 8 | 3 | 4 | 15 |
| (iv) | Deep Screening (Plain Track) | EDCE(P) | 8 | 3 | 4 | 15 |
| (v) | Shoulder Ballast Cleaning | EDCE(P) | 5 | 2 | 3 | 10 |
| (vi) | Turn-out Renewal | EDCE(P) | 10 | 4 | 6 | 20 |
| (vii) | Through Fittings Renewal | EDCE(P) | 8 | 3 | 4 | 15 |
| (viii) | Prevention of rail corrosion- Zinc Metalising of Rails | EDCE(P) | 10 | | 5 | 15 |
| (ix) | Ballast supply and input | EDCE(P) | 20 | 5 | 5 | 30 |
| (x) | Formation Treatment | EDCE(P) | 8 | 3 | 4 | 15 |
| (xi) | Through Weld Renewal by MFBWP | EDCE(P) | 8 | 3 | 4 | 15 |
| (xii) | Installation of Way side Lubricators | EDCE(P) | 10 | | 5 | 15 |
| (xiii) | Ballastless Track on main line in yards | EDCE(P) | 10 | | 5 | 15 |
| (xiv) | Quality of running | EDTK(MC) | 25 | 15 | - | 40 |
| (xv) | Mechanization of Track Works | | | | | |
| (a) | TSR(P) | EDTK(MC) | 7 | 3 | | 10 |
| (b) | Turnout Renewal | EDTK(MC) | 7 | 3 | | 10 |
| (c) | Deep Screening(Turnouts) | EDTK(MC) | 5 | 2 | | 7 |
| (d) | Deep Screening (Plain Track) | EDTK(MC) | 5 | 2 | | 7 |
| (e) | Shoulder Ballast Cleaning | EDTK(MC) | 4 | 2 | | 6 |
| (xvi) | Track machines | EDTK(MC) | 40 | 20 | - | 60 |
| (xvii) | USFD Testing – Meeting the Scope as per laid down frequency. To be calculated on monthly basis from TMS. | EDTK(P) | 20 | | | 20 |
| (xviii) | Removal of defective rails & welds (IMR, IMR(W) & DFWR) – For reduction of (IMR, IMR(W) & DFWR) | EDTK(P) | 20 | | | 20 |
| (xix) | AT Welding – Quality of welding on basis of percentage defective AT Welding of the welds done during year. To be taken from TMS | EDTK(P) | 15 | | | 15 |
| (xx) | Flash Butt Welding – Progress viz-viz target | EDTK(P) | 20 | | | 20 |
| (xxi) | Response/progress of trials | EDTK(M) | 5 | | | 5 |
| (xxii) | Sleeper production/Dispatches | EDTK(M) | 7 | | | 7 |

| SN | Item | Concerned ED | Max. Marks | | | |
|---|---|---|---|---|---|---|
| | | | For absolute performance/ Performance against Targets | For improvements over last year | For Volume of work | TOTAL |
| (xxiii) | Compliance to Board/RDSO instructions for related subject including pace of implementation | EDTK(M) | 5 | | | 5 |
| (xxiv) | Fitting procurement management efficiency | EDTK(M) | 3 | | | 3 |
| 3 | **BRIDGES** | | | | | |
| (i) | Total number of bridges rehabilitated/rebuilt | EDCE(B&S) | 30 | 5 | 25 | 60 |
| (ii) | Productivity of Engg. Workshops/ Fabrication of Bridge Girder in Bridge Workshop | EDCE(B&S) | 10 | 5 | 5 | 20 |
| (iii) | Replacement of wooden sleepers with steel channel sleepers | EDCE(P) | 15 | 5 | 5 | 25 |
| (iv) | Nos. of important bridges rehabilitated | EDCE(B&S) | 5 | - | - | 5 |
| (v) | Adoption of innovative methods/instrumentation, Adoption/trial of new technologies related to bridge inspection/diagnosis/rehabilitation etc. | EDCE(B&S) | 10 | - | - | 10 |
| (vi) | Scanning and Digitisation of Bridge Drawings and their uploading on TMS | EDCE(B&S) | 5 | | | 5 |
| 4 | **LINE CAPACITY ENHANCEMENT (ENGG TIME SAVING)** | | | | | |
| (i) | Time saving on account of | | | | | |
| (a) | Increase in max permissible sectional speed | EDCE(P) | 10 | 4 | 6 | 20 |
| (b) | Removal/relaxation of Permanent Speed Restrictions | EDCE(P) | 10 | 4 | 6 | 20 |
| (c) | Introduction of 30 kmph speed on Loop lines | EDCE(P) | 10 | 4 | 6 | 20 |
| (ii) | Rectification of defective Yard Layout | EDCE(P) | 10 | | 5 | 15 |
| 5 | **CADRE TRAINING, HRD & IT** | | | | | |
| (i) | Filling up of vacancies | EDCE(G) | 10 | | | 10 |
| (ii) | Refresher Course of safety category | EDCE(G) | 10 | | | 10 |
| (iii) | Training of Officers | EDCE(G) | 10 | | | 10 |
| (iv) | Staff for Track machines | EDTK(MC) | | | | |
| (a) | Post Creation | EDTK(MC) | 5 | | | 5 |
| (b) | Filling up of vacancies | EDTK(MC) | 5 | | | 5 |
| (v) | Infrastructre for Track machines | EDTK(MC) | | | | |
| (a) | Camp Coach refurbishing | EDTK(MC) | 5 | | | 5 |
| (b) | Stabling Siding | EDTK(MC) | 5 | | | 5 |
| (vi) | Scanning and Digitisation of Bridge Drawings and their uploading on TMS | EDCE(B&S) | 10 | | | 10 |
| (vii) | I.T. Enablement, Implementation/usage of TMS. | | | | | |
| (a) | RDPS, Ortho Photogrammetric survey, etc | EDTK(P) | 10 | | | 10 |
| (b) | Implementation /Usage of TMS and Store module - 10 | EDTK(P) | 10 | | | 10 |
| | Total | | 618 | 125 | 157 | 900 |
| 6 | General Appreciation( ME's Discreation) | | | | | |
| (i) | Headquarter and overall Planning, initiative and drive,presentation and publicity,quality of output,innovations and developments | ME | | | | 100 |
| | Total | | 618 | 125 | 157 | 1000 |