केन्द्रीय रेल विद्युतीकरण संगठन
Central Organisation for Railway Electrification
1-Nawab Yusuf Road, Civil Lines, Prayagraj-(UP) 211001

No. ELCORE/MP/Steel Policy/Pt-II

Date: 29.10.2020

All vendors of-
Fabricators of Steel structures &SPS

(As per mailing list)

Sub: Weight of Galvanization for different OHE Structures.

Ref: RDSO letter No:TI/CIV/GCP/2020 dtd 22.10.2020. (copy enclosed).

*****

The weight of Galvanisation (Zinc) for 42 OHE structures has been issued by RDSO vide letter under reference above. A copy of above referred letter is enclosed herewith for your information and further action please.

DA-As above.

(Upend) 29.10.2020

(Upendra Kumar)
Dy.Chief Electrical Engineer (MP)
For CAO/CORE/Prayagraj.

Copy to: (i) All CPDs- for kind information pl.
(ii) GGM/Inspection/RITES Ltd, CR,ER,WR,SR,NR- for information and necessary action pl.

File No.RDSO-TI0LKO(CIV)/3/2020-O/o PED/TI/RDSO

भारत सरकार - रेल मंत्रालय - अनुसंधान अभिकल्प और मानक संगठन,मानकनगर, लखनऊ-226011
Government of India - Ministry of Railways
Research Designs & Standards Organisation, Manak Nagar, Lucknow – 226011

बीएसएनएल/BSNL:91-522-2465731
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संख्या /No.:-TI/CIV/GCP/2020 दिनांक/Dated:22.10.2020

Principal Chief Electrical Engineer & CAO

(i) Central Railway, Station Building, Mumbai CST – 400001.
(ii) Eastern Railway, Fairlie Place, Kolkata-700001.
(iii) East Central Railway, Hajipur-844101.
(iv) East Coast Railway, Bhubaneshwar-751023.
(v) Northern Railway, Baroda House, New Delhi - 110001.
(vi) North Central Railway, Allahabad-211015.
(vii) North Eastern Railway, Gorakhpur-273012.
(viii) North Frontier Railway, Mailgaon - 781011.
(ix) North Western Railway, Jaipur – 302017.
(x) Southern Railway, Park Town, Chennai- 600003.
(xi) South Central Railway, Railnilayam, Secunderabad-500371
(xii) South Eastern Railway, Garden Reach, Kolkata-700043.
(xiii) South East Central, Railway, Bilaspur-495004.
(xiv) South West Railway, DRM's Office, Hubli-580028.
(xv) Western Railway, Church gate, Mumbai-400020.
(xvi) West Central Railway, Jabalpur - 482001.
(xvii) CORE, 1, Nawab yusuf Road, Allahanbad-211001.
(xviii) Konkan Railway Corporation Limited, Belapur, Navi Mumbai-400641.
(xix) General Manager (Electrical), M/s IRCON Ltd, C-4, District Central, Saket, New Delhi-110017
(xx) ED/Electrical, M/s RVNL, 1st Floor, August kranti Bhavan, Bhikaji Cama palace, R.K. Puram, New delhi-110066
(xxi) CMD RITES Ltd., RITES Bhawan, 1, Sector 29, Gurgaon, Haryana-122001.
(xxii) ED/QA/RITES RITES Bhawan, 1, Sector 29, Gurgaon, Haryana-122001.

विषय/Sub: Weight of Galvanisation for different OHE Structures.

संदर्भ/Ref: (i) CORE letter no. ELCORE/MP/Vendor/confidential/2018 dated 19/10/2020.
(ii) This office letter no. TI/CIV/GCP/2020 dated 12.10.2020.
(iii) CORE letter no. ELCORE/MP/Vendor/confidential/2018 dated 18/09/2020.
(iv) This office letter no. TI/CIV/GCP/2020 dated 17.02.2020, 23.07.2020 & 10.09.2020
(v) CORE letter no. ELCORE/MP/Steel/Policy/Pt.II dated 05.12.2019, 30.06.2020 & 13.08.2020.

Vide letter under ref. (v) above, CORE/Prayagraj had submitted detailed calculation sheet of the different galvanised structures for examination and technical comments/advice .RDSO had scrutinised detailed calculation sheet for surface area of OHE structures and given remarks vide ref. (iv) above.

In this connection, in the first phase, weight of Galvanisation for various OHE structures (BFB & RSJ Mast & B/K-series masts, DA, TTC, and N, O, R-type Portal) has been theoretically checked and verified by RDSO as well as CORE/Prayagraj.

Vide reference (iii) above, CORE/Prayagraj had issued Joint Procedure order (JPO) made with M/s RITES (inspecting agency) incorporating revised guidelines for marking, weighment and inspection process. CORE has referred RDSO regarding item no. 5 to issue revised drawings for Galvanised Steel Structures incorporating weights of finished structure after galvanisation by 30.11.20.

In this regards, weight of Galvanisation (Zinc) for 42 OHE structures has been prepared (Annexure-A) and being issued for your kind information and necessary action. Modification in the drawings for inclusion of weight of Galvanisation of steel structures will be issued by RDSO in due course.

This is issued with the approval of competent authority.

Digitally signed by BHARDW CHAUDHARY
Date:Thu Oct 22 18:18:54 IST 2020
Reason:Approved

(Bhardwaj Chaudhary)
[कार्यकारी निदेशक/ (क.सं.)/Executive Director/TI]

DA: - Annexure-A

Copy to: (i) ED/RE/RB – For kind information please.
(ii) SDGM/CORE – For kind information please.
(iii) ED M&C/RDSO-for kind information please.
(iv) Director/Vigilance/RDSO – For kind information please.

Annexure-A

Weight of Galvanisation for different OHE structures				
S.N.	**Drawing Number**	**Structure Name**	**Weight of galvanisation (kg) For Suburban & lightly polluted area (610 gm/m2)**	**Weight of galvanisation (kg) For marine & chemically polluted area (1000 gm/m2)**
1	ETI/OHE/G/00144	BFB	5.194	8.514
2	ETI/OHE/G/00145	RSJ	5.775	9.468
3	ETI/C/0071 (Rev.-E)	B-150	7.884	12.924
4		B-175	8.456	13.863
5		B-200	9.032	14.806
6		B-225	9.747	15.978
7		B-250	10.310	16.901
8	ETI/C/0009/69 (Rev.-B) SH-2	TTU	10.948	17.947
9	ETI/C/0009/69 (Rev.-B) SH-4	TTB-5.5	5.355	8.779
10	ETI/C/0009/69 (Rev.-B) SH-5	TTB-8.0	7.417	12.159
11	ETI/C/0076 (Rev.-C)	DA-BFB-3	1.896	3.109
12		DA-BFB-2.5	1.623	2.661
13		DA-BFB-2	1.350	2.213
14		DA-RSJ-3	2.045	3.352
15		DA-RSJ-2.5	1.741	2.854
16		DA-RSJ-2	1.437	2.356
17	ETI/C/0017 (Rev.-B) SH-2	OU	11.459	18.785
18	ETI/C/0017/70 (Rev.-B) SH-3	OE-1	10.610	17.394
19		OE-2	11.075	18.156
20	ETI/C/0017/70 (Rev.-B) SH-4	OB1 (1.5m)	2.258	3.701
21		OB2 (3m)	3.458	5.669
22		OB3 (4.5m)	4.951	8.116
23		OB4 (6m)	6.539	10.719
24		OB5 (7.5m)	7.738	12.686
25		OB6 (9m)	9.207	15.093
26	ETI/C/0008 Sheet-2	NU	9.370	15.360
27	ETI/C/0008 Sheet-3	NE-1	4.680	7.672
28	ETI/C/0008 Sheet-3A	NE-2	5.069	8.310
29	ETI/C/0008 Sheet-4	NB-1.5	1.770	2.902
30		NB-3.0	2.806	4.600
31		NB-4.5	4.045	6.631
32		NB-6.0	5.343	8.759
33		NB-7.5	6.379	10.457
34		NB-9.0	7.618	12.488
35	ETI/C/0011/69 Sheet-2	RU	12.088	19.817
36	ETI/C/0011/69 Sheet-3	RE-1 (11.6 m)	12.135	19.894
37		RE-2 (12.1 m)	12.635	20.713
38	ETI/C/0011/69 Sheet-4	RB-1 (7.5 m)	8.244	13.515
39		RB-2 (9.0 m)	9.687	15.881
40		RB-3 (10.5m)	11.187	18.340
41		RB-4 (12.0 m)	12.687	20.799
42		RB-5 (13.0 m)	13.689	22.441