



Government of West Bengal
 Engineer-in-Chief & Ex-Officio Secretary
 Public Works Department
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Memo No. 893-ENC/2024

Date: 04.09.2024

ORDER

Classification criteria of categories of Steel for TMT Reinforcement Bar for PWD, West Bengal.

PWD Schedule Committee					
VOLUME - I (For Building Works, Materials & Labour) & VOLUME - II (For Sanitary & Plumbing Works)					
VOLUME - III (For Road & Bridge Works)					
Description of Item with Specification					
Description of Item	Specification & Codes	Category	A) Furnace & B) Process	For use in Structure	Manufactures Name (Name & Brand)
Tor Steel Rod / HYSD Bars / TMT Bars conforming to grade Fe- 415, Fe- 451D, Fe-415S, Fe - 500D, Fe-500S & Fe-550D	<ol style="list-style-type: none"> Reinforcement tested at any NABL-accredited laboratory or premier institutions like IITs. Test reports shall comply to all relevant clauses of IS: 1786, IS: 13920, IRC: 112 (latest revisions). The property of ductility shall be as per IS:13920 (2016) or latest standards. For Seismic Zones III, I V & V, HSD steel bars having minimum elongation of 14.5% shall be used. <ol style="list-style-type: none"> The actual 0.2% proof strength of steel bars based on tensile test must not exceed their characteristic 0.2% proof strength by more than 20%. The ratio of the actual ultimate strength to the actual 0.2 percent shall be at least 1.15. The producer/manufacturer/contractor shall produce manufacturer's certificate as per clause no. 12.4 of IS:1786;2008 latest amendment with valid licence in favour of original producer to use the standard mark of the Bureau of Indian standard as per clause no. 13.4 BIS certification and marking (4th amendment to IS: 1786 2008). Billets produced must be ISI marked (IS: 2830:2012). 	1	<ol style="list-style-type: none"> BF -BOF BF-BOF-LRF-CCM B.F.-Blast Furnace B.O.F-Basic Oxygen Furnace L.R.F-Ladle Refining Furnace CCM- Continuous Casting Machine 	For all structures subjected to dynamic loading – Bridge (Major/ Minor) ROB, RUB, RCC Box, and Multi-storied Building (Above 5 storied building).	<ol style="list-style-type: none"> SAIL (Brand Name – SAIL), TATA (Brand Name – TISCON), RINL (Brand Name – VIZAG), JSW STEEL LIMITED (Brand Name – JSW NEO STEEL), JINDAL STEEL & POWER LIMITD (Brand Name – JINDAL PANTHAR), ESL VEDANTA (Brand Name – V-XEGA). And other manufacturers (if any) meeting the criteria of Specification and Codes, Furnace, Process.

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Tor Steel Rod/ HYSD Bars/ TMT Bars conforming to grade Fe- 415, Fe- 415D, Fe-415S, Fe - 500D, Fe-500S & Fe-550D	<ol style="list-style-type: none"> 1. Reinforcement tested at any NABL-accredited laboratory or premier institutions like IITs. 2. Test reports shall comply to all relevant clauses of IS: 1786, 2008 and it is latest amendment. 3. The produce/ manufacturer/ constructor shall produce manufacturer certificate as per clause no. 12.4 of IS: 1786 ; 2008 latest amendment with valid licence in favour of original producer to use the standard mark of the Bureau of Indian standard as per clause no. 13.4 BIS certification and marking (4th amendment to IS: 1786 2008). 	2	<ol style="list-style-type: none"> A. EAF/ IF B. <ol style="list-style-type: none"> a) (DRI)- EAF-LRF-CCM, b) (DRI) – IF - CCM EAF – Electric Arc Furnace, IF – Induction Furnace, DRI – Direct Reduced Iron.	All other structure other than above	<ol style="list-style-type: none"> 1. SHYAM STEEL INDUSTRIES LIMITED (Brand name – SHYAM). 2. SHYAM SEL &POWER LIMITED (Brand Name – SEL TMT). 3. AMIT METALIKS LIMITED (Brand Name – “TRIAM”). 4. SRMB SRIJAN PRIVATE LIMITED (Brand Name – SRMB). 5. CAPTAIN STEEL INDIA LIMITED erstwhile BMA STAINLESS LIMITED (Brand Name – CAPTAIN TMT). 6. RASHMI METALIKS LIMITED (Brand Name – RASHMI TMT), 7. CONCAST STEEL & POWER LIMITED (Brand Name – CONCAST MAXX TMT BAR). 8. JAI BALAJI INDUSTRIES LIMITED (Brand Name – BALAJI SHAKTI THERMAX TMT BAR). 9. SUPER SMELTERS LIMITED (Brand Name – SUPER SHAKTI). 10. SHAKAMBHARI ISPAT & POWER LIMITED (Brand Name – THERMOCON). 11. GAGAN FERROTECH LIMITED (Brand Name – GAGAN). 12. BMW INDUSTRIES LIMITED (Brand Name – BANSAL SUPER). 13. INCREDIBLE INDUSTRIES LIMITED (Brand Name – ADHUNIK TMT). 14. N N ISPAT PRIVATE LIMITED (Brand Name – ULTRA MAX 500D TMT BAR). 15. MAITHAN STEEL & POWER LIMITED (Brand Name – MAITHAN TMT). 16. SPS STEELS ROLLING MILLS LIMITED (Brand Name – ELEGENT STEEL). 17. ALAKNANDA SPONGE IRON LIMITED [Brand Name – 1) KAMDHENU NXT, 2) KAT-2 TMT BAR]. 18. SUL STEEL PRIVATE LIMITED (Brand Name – SUL). 19. MICKY METALS LIMITED (Brand Name – MICKY TMT). 20. RUNGTA MINES LIMITED (Brand Name – RUNGTA). 21. SALUJA STEEL & POWER LIMITED (Brand Name –SALUJA TM GOLD) 22. MAAN STEEL & POWER LIMITED (Brand Name – MAAN SHKTI). 23. SALAGRAM POWER AND STEEL PRIVATE LIMITED (Brand Name – SALAGRAM TMT). 24. SRI LANGTA BABA STEEL PVT. LIMITED (Brand Name – TUFCONXT)

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**Engineer-in-Chief & Ex-Officio Secretary
Public Works Department**

Memo No.893/1(3)-ENC/2024

Date : 04.09.2024

Copy forwarded for kind information to :-

1. The Additional Chief Secretary, Finance Department
2. The Secretary, Public Works Department
3. P. S. to Hon'ble Minister- in-Charge, Public Works Department.

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Public Works Department

Memo No. 893/2(6)-ENC/2024

Date : 04.09.2024

Copy forwarded to :-

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2. The Chief Engineer, South/West/North Zone, P.W.Dte./South/West/North Zone, P.W. (Roads) Dte.
3. The Chief Engineer (NH), P.W. (Roads) Dte./ Chief Engineer (PIU), ROB, P.W. (Roads) Dte./ Chief Engineer Social Sector, P.W.Dte.
4. The Chief Engineer, Planning, P.W. Dte/ P.W. (Roads) Dte./
5. The Chief Engineer , RBRI, P.W. (Roads) Dte.
6. The Joint Secretary (Works), P.W.D./ Joint Secretary (Roads), P.W.D./ Joint Secretary (P &C), P.W.D.

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Memo No.893/3(5)-ENC/2024

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Copy forwarded to :-

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2. The Superintending Engineer, Bridge Planning Circle, P.W. (Roads) Dte.
3. The Superintending Engineer, Survey & Design Circle, P.W.Dte.
4. All the Superintending Engineers under P.W.Dte. & P.W. (Roads) Dte.
5. All the Executive Engineers under P.W.Dte. & P.W. (Roads) Dte.

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