

TAMIL NADU SLUM CLEARANCE BOARD

Circular No.SCB/ 17099/ SQC/2018

Dated: 25.10.2018

CIRCULAR

Sub: TNSCB – Construction of Tenements –Cement and Steel used in Projects – Instructions issued - Reg.

TNSCB has been executing projects with M25 Grade Concrete and Fe415 Grade Steel so far. With the 'Durability Criterion' gaining wide focus recently and also to cope up with prevailing market trends, we have to look forward to upgrade the Grades of Concrete and Reinforcing Steel for our projects. It is pointed out by the Superintending Engineers / Executive Engineers during review meetings that the availability of Reinforcement Steel i.e. Fe415 in the market is very much limited, as the Fe415 Steel has been replaced by higher Grades of Steel. It is also recommended by our Retainer Consultant that in conformity to IS456:2000, for projects exposed to coastal environment, TNSCB may adopt M30 Grade Concrete. Also, higher Grades of Steel i.e. Fe 500 & Fe 500(D) which was approved by BIS and Tamil Nadu PWD such as Tata Steel, SAIL "AGNI TMT" Fe500- "ARUN PLUS TMT" Fe 500 JR TMT Fe 500 can be adopted for Reinforcement Steel instead of Fe415 Grade which is available scarcely and every consignment must be checked as per IS specification before using in projects. Cement must be used as per IS specification and approved by BIS and Tamil Nadu PWD such as Arasu, L&T, Asian and every consignment must be tested by field Engineer before adoption for use.

Considering the above, the following instructions are issued:

- (i) In order to combat the effect of salt-laden sea breeze, all the projects situated within about 10 km distance from seashore shall be adopted with M30 Grade Concrete. The interior location projects shall be adopted with M25 Grade Concrete as per the prevailing practice.
- (ii) In order to be in tune with the latest trend and availability in the market, Fe500D (Ductile) Grade Steel shall be adopted for projects located in Seismic Zone III areas and Fe 500 Grade Steel for Seismic Zone II areas of Tamil Nadu.

All the Superintending Engineers, Executive Engineers, Assistant Executive Engineers, Assistant Engineers and Junior Engineers are instructed that the above instructions have to be followed scrupulously in all the Project Proposals.


For Chief Engineer


26/10/18

To

All Superintending Engineers / TNSCB
All Executive Engineers / TNSCB
All Assistant Executive Engineers / TNSCB
All Assistant Engineers and Junior Engineers / TNSCB