

Pimpri Chinchwad Municipal Corporation, Pimpri-18

Rate Analysis

Date: 2/06/2018

Name of work :- Remaining civil related work, electrical work and other allied work in scattting rink work at Sector no -3, Indrayaninagar, Ward no-29.

Item No.1 : Providing & Fixing of Composite self sloping channel made from orthophthalic resin glass fiber with micro grot embedded on the outer side of drain channel system in M20 grade concrete. Composite channel with inbuilt slope of minimum size of 150^{mm} wide and minimum depth of 50 mm onwards with U shape having wall thickness of 4mm and maximum water carrying capacity volume of 835 LPM, including polyurethane sealant for grouting and joint sealing. Slope of channel is 1:200(5mm drop per meter length of channel) should be covered with Composite designer grating with glass fiber reinforced polyester having minimum size 144 mm x 498mm x 20mm with SMC manufacturing process. Load carrying capacity of designer grating is human and small car load including clearing of surface transportation as directed by Engineer in charge Rate is inclusive of all taxes, excluding GST.

❖ Specification for composite FRP Drain channel:-

Test Report Complies as per IS 6746-1994

Size	150mm wide with depth from 50mm to 200mm with gradual in built slope.
Shape	U Shape for maximum volume of water carrying capacity.
Slop	Inbuilt slope of 1:200 (5mm drop per meter length of channel)
Material Construction	Orthophthalic resin and glass fiber. Micro grit embedded on the outer side of the channel for better adhesion with trimix around the channel.
Maximum capacity	835 LPM for 200mm deep channel.
Channel wall thickness	4mm + -0.5mm
Grating lock type	Plate and bolt locking
Channel mating /joint type	Face to face joint
Specification for Composite Grating	
Size	144 x 498 x 20mm
Material Construction	Glass fiber reinforced polyester.
Manufacturing process	SMC(Sheet moulding composite)
Load carrying Capacity	Human load & small car load
Load class standard	EN1433 A15
Sealant	Polyurethane sealant for grouting and the joint sealing for longer leakproof joint life.

Lowest Rate as per Comparative Statement = Rs. 3,520/- per Rmt.

Hence,

Proposed Rate for the Item is Rs. 3,520/- Per Rmt.

Junior Engineer
PCMC, Pimpri-18

Deputy Engineer
PCMC, Pimpri-18

Executive Engineer
PCMC, Pimpri-18

City Engineer
PCMC, Pimpri-18

Rate is approved for 3520/- per Rmt

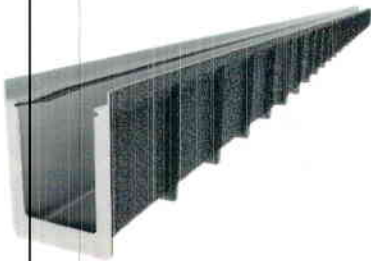
Signature

Signature

Signature

- After 24 hours. Sealant cures. Gratings to be fixed on the channels and fastened with the locking bolt.
- Installation is complete.

SNK composite Channel



SNK Composite designer grating



Installation Reference

