

## **Godavari riverfront development at Nanded - Material specification for Zone N3**

Two / three line chisel dressed rough granite ( upto 70mm th.) has been specified for the following areas-

1. Submerged bathing platform for pilgrims
2. Promenade along river
3. Ghats

Granite is a proven durable and sturdy material. It has been specified for it to be moderately dressed to provide an anti skid surface.

It is also an effective material to withstand water pressure, this has been kept in mind while designing for submersible construction and the flood duration each year.

The locally available choices for paving are Shahbad stone (upto 60mm th), Polished Tandur stone(upto 30mm th), Kota stone (upto 30mm th). These materials do not provide adequate anti skid conditions and also strength wise are not competitive with granite.

Ghats are meant to be long lasting structures. It is certainly expected that they should last for over a century if not more. With use, Shahbad, tandur and Kotah become smooth and slippery. This may lead to accidents and injury to the large no. of pilgrims that converge on the ghats during the religious events.

Granite as a material wears out much slower than any of the other alternatives. It also provides the opportunity for retooling the surface in the eventuality of its becoming smooth.

Nanded due to its location in Southern Maharashtra and being close to Andhra Pradesh border is close to the granite sources of southern India. This would help in procuring the material.

Even though the initial investment is higher, in the long run the riverfront maintenance costs would be lower and the life of the areas where this material is being used, would increase tremendously.