GRIHA Role in Construction & Demolition Waste Mgt Rules 2016

Almitra H Patel, Member Supreme Court Committee for Solid Waste Management National Expert, Swachh Bharat Mission

almitrapatel@rediffmail.com

www.almitrapatel.com

YouTube : Almitra Patel
Give weightage to Offsite Mgt also

No material on carriageways:
Avoids material wastage, traffic jams, accidents.

NO demolition waste outside site perimeter!

No construction materials on footpath after removal of first slab centering. Store all material below it thereafter.
Submit a WASTE MANAGEMENT PLAN along with Plan Sanction Application, esp. for large plots or >300 tpm waste.

It should cover segregation, storage, collection and transport and certified disposal of unmixed C & D wastes at specified destinations.

Submit Bill Of Quantities along with Plans showing different areas for temporary waste mgt onsite:

Estimate 30% wastage of soil excavation,
5% wastage of sand, stone, concrete, blocks, bricks, tiles, sanitaryware, wood, metal, plastic, gypsum.
ALL MUST KEEP WASTES UNMIXED. This can make sites ZERO WASTE:

Topsoil for onsite gardening later,
Soil for contour landscaping, road shoulders
Cementitious wastes for recycling as M-sand and non-load-bearing aggregate
Fired bricks for surkhi or walkways
Ceramic waste for China mosaic or to blockmakers
Glass for rat-proofing concrete wall foundations
Broken tile, stone, marble, granite for crazy paving
Wood, plastic, metal and nails to recyclers
Gypsum as waterproof drain sub-base
USE MAXIMUM RECYCLED PRODUCTS FROM C & D WASTE

Recycled product use is mandated. Supplying segregated waste makes all items cheaper. ILFS makes them in Delhi. UK uses 25% recycled aggregate. Singapore recycled 98% C&D by 2007. Denmark recycles 90%, Japan in 2001 reqd 95% recycling by 2010 with Zero waste from Govt projects by 2005. San Jose Calif requires 50% recycling by private and 75% by public projects to get back their Compliance Deposits. Let GRIHA help bring this culture to India soon.