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Government of Odisha
Housing & Urban Development Department

Odisha Secretariat, Sachivalaya Marg, Bhubaneswar-751001

File No.: HUD-SANT-SCH-0014-2017

Letter No.: 25563 Date: 19.9.18

From

Sangramjit Nayak, IAS
Director, Municipal Administration &
State Mission Director, SBM (U)

To

The Commissioners, BMC/BeMC/CMC/RMC/SMC
The Executive Officers, All Municipalities and NACs

Sub: Deep Row Entrenchment (DRE) for disposal of faecal sludge from cesspool emptier vehicles

Ref: This Department Letter No. 10435 Dated 08.05.2017 and No. 23505 Dated 23.08.2018

Madam/Sir,

In continuation of the communications under reference on the subject cited above, I am directed to inform you that the Urban Local Bodies (ULBs) without any Septage Treatment Plant (SeTP) need to construct a temporary safe disposal site within the area of jurisdiction of the concerned ULB for implementation of Deep Row Entrenchment, which may be conveniently approachable by the cesspool operators.

The ULBs are also directed to ensure installation of GPS in the cesspool emptier vehicles and initiate tracking of cesspool emptier vehicles owned by the concerned ULB.

Further, the ULBs are required to send their confirmation on establishment of DREs along with the status of GPS installation in the cesspool vehicles to the undersigned within a period of 7 working days of receiving this notice.

The land selection criteria and typical design & specifications for construction of DRE sites are annexed herewith for ready reference.

Yours faithfully,

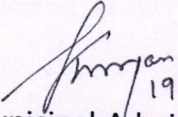
Sangramjit Nayak
19/9/2018

Director, Municipal Administration &
State Mission Director, SBM (U)

11211

Memo No. 25564 /HUD, Date: 19.9.18

Copy forwarded to the Collector, all Districts/ the Project Director, all DUDAs for information & necessary action.

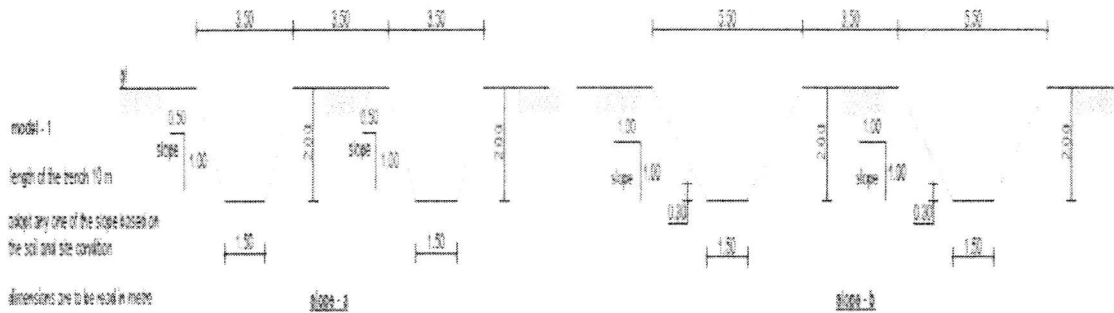

19/9/2018

Director, Municipal Administration &
State Mission Director, SBM (U)

Land Site Selection Criteria

- ▶ Legal permissions & approval from relevant authorities
- ▶ Not flood prone or should be above recorded flood level
- ▶ Not water-logged
- ▶ Deep water table
- ▶ Soil type – should be porous and allow soakaway
- ▶ Reasonably flat
- ▶ Sufficient buffer distance to habitable properties (200 m minimum)
- ▶ Not close upstream of water intake, well, exposed aquifer (at least 15m), no ground water for potable use or contact or agriculture purposes etc. downstream (of aquifer)
- ▶ Accessible by vehicles (road strength, width, bridges, headroom, slope)
- ▶ Cesspool emptier vehicle movement should not cause nuisance to neighbourhood
- ▶ Compatible to adjacent and neighbouring properties usage
- ▶ Close enough to allow logistics of sludge transportation
- ▶ Minimum area required based on lifetime projection of need

Typical Design Criteria



Details/item	Measurements (m)
Top width of trench	3.5 m to 5.5 m
Bottom width of trench	1.5 m
Height/depth of trench	1 m to 2 m
Length of trench	10 m
Distance between two trenches	3.5 m
Side slope	0.5:1 to 1:1