

DECENTRALISED STACK COMPOSTING IN KOLAR 2014

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Solid Waste Management in Class 1 Cities**

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Pop 1.5 lac has NO SITE FOR WASTE MGT



IN JULY 2014 IT ADOPTED STACK
COMPOSTING IN 5 SMALL SITES.

This is 100 kg/day **Wet** waste x 1 month



This demo is 100 kg/day **Dry Waste**
from same Ward No 1, on NH75



STACKS are formed on wood frames placed on stone supports



This keeps waste off the ground to allow cold air into heap as hot air rises



Stacks can be close together as no turning is needed



Stack composting is self-aerating.
Needs no eqpt, power or labour, only
1-3 months' time to stabilise waste.



Waste is unloaded directly from tractors, in 8" layers, max 12", using more than 1 stack per day if needed



Stacks are ready for auction to farmers
as early as 1 month of maturing



Wood frames are re-used after farmers remove compost



Even city-centre stacks are nuisance-free,
but a visual barrier fence would help



ONLY BIODEGRADABLE 'WET' WASTE is stacked, so unmixed collection is a must



Door-to-door collection is in pushcarts with 4+4 covered 60-litre bins



Two-person PK teams improvise, but keep wet & dry waste separate



A double-handle helps to hang jumbo bags for paper and saleable plastic



PKs can keep entire sale proceeds of all they collect, so doorstep sorting is good



PKs take Copra-shells home for burning as fuel for hot water



Each team covers 4-500 houses 6:30-10 am in two rounds. After 1st trip 4 bins and some bags are left on road for pick-up



Tractors promptly pick up bins 10am-12 in
2 trips, + 3rd for dry waste if reqd



Every bin is weighed on spring-scale before loading, to compile day's pick-up data



Tractors back up to stacks and empty the bins directly in thin layers per stack



Homes giving wet-dry unmixed each day for a month can enter a prize lottery

ಶ್ರೀ ನಗರ ಪರಿಷತ್ ನಗರ, ನಮ್ಮ ನಗರ ಸುಂದರವಾಗಿ ಇಡೋಣ ಬನ್ನಿ
CITY MUNICIPAL COUNCIL, KOLAR
Clean Our City in Karnataka
A race to raise the quality of life....

SMART CITIZEN SMART WINNER SEGREGATION CONTEST:
HOUSE HOLD **14** EDUCATION

* VALID ONLY IF SIGNED ON ALL DAYS BY THE AUTHORISED CAMPAIGN MONITORS

* STUDENTS: CAMERA, CERTIFICATES AND MOMENTO
* EDUCATIONAL INSTITUTES: CERTIFICATES AND MOMENTO
* HOUSE HOLDS: MIXI AND COOKER

DAYS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓				

K.M. Muddala Raju
310 K.V. Muruganagappa
Dated 29/12

SEPARATE WASTE IN YOUR HOUSES ONLY
WIN PRIZES: WORTH RUPEES ONE LAKH

1st Main Road
Nagar Doodh Light
Coke New Station
Kolar

DIRECTORATE OF MUNICIPAL ADMINISTRATION, BANGALORE INITIATIVE
We all work together it is our city, let us keep the city clean
ph 9741237999

Same PK team does afternoon sweeping.
Little waste ends on roads if their door-
to-door collection covers every house



All slum lanes are spotless



Even unpaved lanes and drains stay clean



A complete ban on all-thickness plastic bags has helped immensely



Now only management of construction waste obstructs the roads



A ring of stones or sandbags keeps sand off road and saves wastage



Storm-water drains have been cleared
and fenced to keep out
waste dumping



Unrecyclable plastics like 'kurkure' sachets and thermocole can be shredded and used for 'plastic roads'



So a Zero-Waste City can be a reality !

What is needed is unity of DC,
Commissioner and Councillors

and continuity of policy from year to
year despite transfers or elections.