

[copy of mail sent to all Superintending Engineers and all Executive Engineers,
Panchayati Raj on 12.09.2015]

(Through e-mail only)

Maintenance Schedule of Liquid Waste Management in Rural Areas

1. GP shall ensure frequent cleaning of drains/nalas of whole village. GP shall also ensure that all the drains/nalas of the village are discharging waste water into pond/final disposal point, with its full capacity.
2. Similarly, Gram Panchayat shall ensure cleaning of screening chamber from time to time.
3. The maintenance of pump set, sump well etc. should be done regularly.
4. During & after rainy season, if there is any eroding of earthen banks than it should be immediately got repaired/rectified by Gram Panchayat.
5. The GP shall ensure plantation of grass over the banks and side slopes of ponds.
6. Gram Panchayat shall ensure that at the time of rain fall, the inlet of 1st pond is blocked & inlet of bye-pass channel is opened so that rain water may be directly collected into 5th pond.
7. GP shall ensure proper maintenance of barbed wire fencing to avoid any mishappening.
8. GP shall ensure that treated water only from the 5th pond (i.e. Maturation Pond) be used for Agriculture, Horticulture, Fish Farming etc. A water management committee may be constituted for the purpose which may fix & collect charges from users of treated water.
9. Parameters like BOD/COD/TSS/pH value of the treated water should be got regularly checked by the GP so as to ensure that standards of the treated water are within permissible limits for its re-use or final disposal into drain of the irrigation department. GP shall maintain proper record of such tests as well as discharge of waste water from drains/nalas. GP shall also submit monthly report by 10th of every month, in the format enclosed at Annexure-'X'

Annexure-'X'

Status of Operation and Maintenance (O&M) of LWM projects as on.....(Monthly report is to be given by 10th of each month)

- | | | |
|---|----------------|-----------------|
| 1. Name of village | : | |
| 2. Block | : | |
| 3. Constituency | : | |
| 4. District | : | |
| 5. Population | : | |
| 6. No. of Households | : | |
| 7. Date of completion of project | : | |
| 8. Funds available for O & M | : | Rs. |
| (i) Received from Govt. | : | Rs. |
| (ii) MGNREGS | : | Rs. |
| (iii) G.P. Fund | : | Rs. |
| (iv) Other sources, if any | : | Rs. |
| | Total : | <u>Rs.</u> |
| 9. Frequency of cleaning of drains
(Daily/alternate day/ weekly) | : | |
| 10. Frequency of cleaning of screening
chambers (weekly/fortnightly/
monthly/quarterly) | : | |
| 11. Whether earthen banks/ side slops/ earthen
partition walls, are being maintained
properly | : | |
| (i) Status of plantation/ grass | : | |
| (ii) Status of earthen structures, inlet pipes
etc. | : | |

12 Whether other infrastructure like drains/ nalas/ pump sets/ sump well/ barbed wire fencing, is being maintained properly ? :

13 Pondwise record regarding discharge & characteristics of treated water

- (i) No. of ponds in the village :
- (ii) No. of ponds having WSP (Waste Stabilization System) :
- (iii) Pondwise details :

Detailed below from (a) to

(a)Pond
(Name of Pond)

- No. of drains/nalas discharging into the pond :
- Approximate no. of households discharging waste water into the pond :
- Drainwise measurement of discharge :

As detailed in table below

S.No.	Size of the drain	Discharge found as per one time survey conducted at initial stage		Actual discharge measured	
		Period	Quantity	Date(s)	Quantity

- Characteristics of treated water

: As detailed in table below

Parameter	Inlet sewage quality (i.e. at inlet of 1 st pond)	Treated water quality (i.e. at outlet of last pond)	Standards for Inland surface water (i.e. for disposal into drain)	Standards for Land Irrigation (i.e. for Agriculture use)
pH value			5.5 - 9.0	5.5 - 9.0
Biochemical oxygen demand i.e. BOD (mg/L)			30	100
Chemical oxygen demand i.e. (mg/L)			250	Not specified
Total suspended solids i.e. TSS (mg/L)			100	200
Fecal Coli. Farm (MNP/100ml)			—	—
Nitrogen (mg/L)			5	Not specified
Phosphate (mg/L)			5	Not specified

(b)Pond
(Name of 2nd Pond)

Similar reports be given for other ponds also on the same pattern.