

CHECK LIST SERIAL NUMBER - 40

PROJECT NOTE

STORAGE TANK MAMDAPUR, TAL-YEOLA, DIST-NASHIK

State serial No. of proposal:- FP/MH/IRRIG/37261/2018

1) Location:-

The Mamdapur Storage Tank Irrigation Scheme envisages construction of an earthen dam across local nalla near Village Mamdapur, Tehsil-Yeola, Dist-Nashik. The catchment area up to the dam site is 18.00 Sq.Km. The 50% dependable yield utilized is 1010.29 T.Cum. Total Irrigable area is 116 Ha.

The dam site is 25 Km away from Yeola the Tehsil place.

2) General Description:-

The project envisages construction of an earthen dam 220 m in length with maximum height 14.95 m in gorge. A clear over fall type non gated Waste Weir on Left Bank of 79 m length is proposed between Ch. 0 m to -79 m.

3) Cost and Outlay:-

Mamdapur Storage Tank Scheme is **Administratively Approved** by Collector Nashik, vide **Resolution No. DPDC./C-12/ SS-4/6368, Nashik Dated 20 Aug. 2014** for Rs. 645.64 Lacks

The Scheme is **Technically Sanctioned** by Chief Engineer, Small scale Irrigation (Water Conservation) Pune vide T.S. No. 287 letter No. C.E. / SDO-1 / PB-3 / 3183 Dated 06/07/2017 for Rs. 425.73 Lacks.

4) Justification for locating the scheme in the Forest area:-

- (a) The Length of dam is minimum.
- (b) More catchment area is available.
- (c) Comparatively less height of dam for maximum storage.
- (d) More command area is available.
- (e) Suitable site for good foundation in rock.
- (f) Comparatively less submergence area.

The scheme is situated in D.P.A.P. area of Yeola Tehsil and it is most essential for Irrigation to maintain an assured supply of water for increasing food production by way of double cropping and also drinking water supply to Mamdapur and nearby villages.

The present irrigation project is a part of this national effort. It is accepted to meet all objective viz-protection from famine improvement in yield and consequent increase in gross national product (G.N.P.) and level of economy and bring all round prosperity to the region.

5) Financial and social benefit:-

The economic viability of the project has been estimated by comparing the flow of investment and returns too.

6) Employment generated:-

As per administratively approved estimate an employment potential will be 40% of cost have been estimated below.

The cost of scheme is Rs. 425.73 Lakhs.

Employment potential at 40% = $425.73 \times 0.40 = 170.29$ Lakhs.

Considering for unskilled Rs. 432/- per Man day & for Skilled and unskilled Rs. 600/Manday labour potential will be generated.

- 1) Permanent:- Skilled:- 1440 Mandays (Indirect)
Unskilled:- 2160 Mandays (Indirect)
- 2) Temporary:- Skilled:- 5380 Mandays (Direct)
Unskilled:- 52310 Mandays (Direct)

7) Total population benefited:-

**A) By lift Irrigation through reservoir and nalla about total irrigable command area of 116 Ha. agriculture land from village Mamdapur of Yeola Tehsil .
Near about 1200 souls from area of Mamdapur and nearby villages benefited.**

B) Drinking water supply to Mamdapur and nearby villages from the reservoir.

8) Brief Economical Features of the Project:-

Sr. No.	Particulars	Details
1.	Estimated Cost Rs. In Lakhs	Rs. 645.64
2.	Total Command area	145 Ha.
3.	Irrigable area	116 Ha.
4.	Cost per T.C.M.	Rs.63906/-
5.	Benefit cost ratio	1.26

8 (1) The work is administratively approved by by Collector Nashik, vide **Resolution No. DPDC./C-12/ SS-4/6368, Nashik Dated 20 Aug. 2014** for Rs. 645.64 Lacks

8 (2) The Scheme is **Technically Sanctioned** by Chief Engineer, Small scale Irrigation (Water Conservation) Pune vide T.S. No. 287 letter No. C.E. / SDO-1 / PB-3 / 3183 Dated 06/07/2017 for Rs. 425.73 Lacks.

8 (3) **Work of scheme has not been started.**

8 (4) As there is no other suitable site nearby in private land for the construction of dam and submergence of the scheme present alternate but to acquire the required Forest Land.

8 (5) The Forest Land proposed for acquisition is the barest minimum required.

8 (6) The up to date expenditure incurred on the scheme is Nil as no work has been started so far.

The construction work of this dam will be taken up in Oct. 2018 hence clearance of the Forest Land is quite essential.

It is assumed that the completion of this project will take about Two years. The Irrigation will start on completion of scheme and will be fully developed at the end. On completion of second year from start of construction of the project it will bring prosperity if food production and also fulfill requirement of drinking water for Mamdapur and nearby villages.

The project is attractive from technical point of view and also economically feasible as considering the norms of Minor Irrigation Project and therefore deserves priority for construction.

9) The area benefitted by this project is 116 Ha. of village Mamdapur of Yeola Tehsil of Nashik District. The water supply for drinking water to Mamdapur and nearby villages will also be provided from this scheme.

The completion of the project will result in assured Irrigation and food production, drinking water supply and also financial stability to the district. Therefore sanction to the Forest proposal may please be accorded as early as possible.

10) Conclusion:-

The project is technically attractive and economically feasible. The value of overall benefits in term of agricultural production and other indirect benefits are considerably more than the capital investment involved in the project.

Considering the above mentioned benefits the project deserves priority for construction and therefore submitted for early clearance.

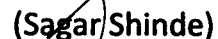
Date:- / / 2018

Place:- Nashik



(Sonal Patil)

Sub Divisional W.C. Officer
Soil & Water Conservation Sub Dn.
Chandwad.



District Water Conservation Officer
Soil & Water Conservation Division
Nashik.

ADDITIONAL INFORMATION AS PER GOVT. LETTER DATED: 22 /25-2-83

Name of Project:- Storage Tank Mamdapur, Tal: Yeola, Dist: Nashik

State serial No. of proposal:- FP/MH/IRRIG/30816/2017.

A.	Total catchment area of dam	:	18.00 SqKm.
B.	Full Reservoir Level	:	97.50 M
C.	Total Command area	:	116 Ha. (ICA)
D.	High Flood Level	:	100.00 M
E.	Minimum water draws down level (Sill R.L.)	:	93.36 M
F.	Maximum height of dam	:	14.95 M
G.	Total No. of family benefitted (Population)	:	2500 Souls
H.	Total No. of families & population affected	:	..Nil. .
I.	Total area involved for the scheme in ha. And its break up Forest land and other Land.	:	28.60 Ha.

Sr. No.	Item	Village	Forest Area			Total Forest	Private Area
			R.F.	W.P.F.	35 Section		
1	Dam Seat	Mamdapur	1.21	0.00	0.00	1.21	0.00
2	Submergence	Mamdapur	25.90	0.00	0.00	25.90	0.00
3	Waste Weir	Mamdapur	1.49	0.00	0.00	1.49	0.00
		Total Ha.	28.60	0.00	0.00	28.60	0.00

Date:- / / 2018

Place:- Nashik



(Sonal Patil)

Sub Divisional W.C. Officer
Soil & Water Conservation Sub Dn.
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(Sagar Shinde)

District Water Conservation Officer
Soil & Water Conservation Division
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