Office of the Engineer-in-Chief

Water Resources Department, Link Road No-2, Bhopal (M.P.)

Memo No. 3484029/T.C./2015/Works/E-in-C
Bhopal, Date 11/2016

To,
All Chief Engineers
Water Resources Department
--------------------------------------Project/Basin
--------------------------------------(M.P.)

Sub:-Design of Micro Irrigation Pressurized System (MIPS).

Ref:-Executive directions issued in V.C. of dated 28-06-2016.

Attention of all field Engineers are invited over to the executive directions dated 28-06-2016 wherein it was directed to have exit gradient of 10 m (1 Bar) at the outlet of farmer’s field with a view to have a reduction in overall cost outlay and consequently the O&M and electricity charges.

However, since issuance of the orders, based on field experience in other projects, operation and study of technical details of sprinkler system available in India at the moment, and its adaptability with the farmers being a new technology, likely non-availability of spares & service for sprinkler designed for running at 1 Bar pressure, it is directed that implementation of these directions be deferred till further orders, and all MIPS be designed with exit gradient of 20 m at outlet only, unless otherwise specifically directed by this office. For crop water requirement, average of three quarterly requirements shall be worked out and maximum demand shall be considered for design purpose taking into account minimum 20% of consumptive ground water use. However in no case for rabi predominant areas CWR for design purpose should be less than 0.35 ltr/sec/hect, unless otherwise required in specific cases. In Rabi predominant areas the maximum area under wheat cultivation should be restricted to 85-90% of the CCA.

These directions will be applicable to all MIPS where tenders are not invited. If required, the field formation may submit revised proposal for the schemes already cleared with 10 m exit gradient along with necessary changes in design, power consumption statistics, cost estimation etc to competent authority seeking approval on revised proposal.


Endt.No. 3484029/T.C./2015/Works/E-in-C
1. Principal Secretary M.P. Water Resources Department, Bhopal for kind information please.
2. Chief Engineer, (BODHI) Water Resources Department, Bhopal for information and needful action in the matter.