

No. IPH-CTR-29-526/Hand Pump/2015-
Himachal Pradesh
Irrigation & Public Health Department

888-96

To

All the Chief Engineers,
Under IPH Department, Himachal Pradesh.

Senior Hydrologeologist,
Ground Water Organisation,
I&PH Department Una.174303.

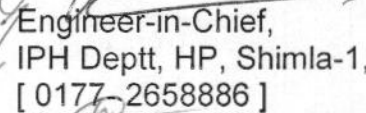
Dated Shimla-171001, the, th 19 June, 2015

Subject: - Minutes of review meeting of Hand pumps held on 16.06.2015 at 11.00 A.M under the Chairmanship of Engineer-in-chief, IPH department in his office Chamber.

Enclosed please find herewith a copy of Minutes of review meeting of Hand pumps held on 16.06.2015.at 11.00 A.M. for taking immediate necessary action in the matter.

You are also requested to report compliance on points deliberated in the meeting and being conveyed through the proceeding.

DA/as above .


Engineer-in-Chief,
IPH Deptt, HP, Shimla-1,
[0177-2658886]

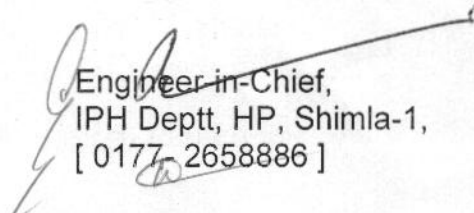
Copy to the Additional Chief Secretary (IPH) to the Govt. of HP for information along with copy of above minutes.

Copy to the Chief Engineer (D&M) Jal Bhawan Kasumpti Shimla-9 for information along with copy of above minutes.

Copy to the Superintending Engineer (P&I-1) Shimla-9 for information along with copy of above minutes.

Copy to the Private Secretary to Engineer-In-Chief, Information along with copy of above minutes.

DA/as above


Engineer-in-Chief,
IPH Deptt, HP, Shimla-1,
[0177-2658886]

MINUTES OF REVIEW MEETING OF HAND PUMPS HELD ON 16.06.2015 AT 11.00 AM UNDER THE CHAIRMANSHIP OF ENGINEER-IN-CHIEF, IPH DEPARTMENT IN HIS OFFICE CHAMBER.

The List of participants is attached.

At the outset, the Engineer-in-Chief(IPH) welcomed all the participants. Before starting discussion on agenda points, the Report on Physical Verification of Hand Pumps under IPH Divisions(HP) except for IPH Division, Keylong, Pooh, Kaza, Reckong Peo, Nerwa, Rohru, Jubbal, Nauradhara & IPH Sub-Division Bharmour carried out during 14.07.2014 to 15.09.2014, prepared by Sr. Hydrogeologist, GWO, Una was reviewed and the efforts made by Sr.Hydrogeologist and his team for preparing this detailed report in a very short time was appreciated.

Thereafter, the agenda of the meeting was taken up and discussion was held as under:-

In order to review the hand pump programme, comments were invited from all the Chief Engineers on A) Implementation Strategy B) Bottlenecks found & C) Remedial Steps Required for effective implementation of the programme vide E-in-C office letter No.IPH-ENC-CTR/Hand Pump/2015-565-73 dated 18.05.2015.

Except for Chief Engineer, Shimla Zone, all the Chief Engineers and Sr. Hydrogeologist have given their views/comments with following references:-

1. Sr.Hydrogeologist, Una letter No.549-50 dated 12.06.15
2. CE, Hamirpur letter No. 4011-15 dated 11.06.2015.
3. CE, letter No.CE-IPH-WA/4/2015-2051-52 dated 09.06.2015.
4. CE,Dharamshala letter No.3287 dt.11.06.2015.

A) IMPLEMENTATION STRATEGY

The comments received from Chief Engineer & Sr.Hydrogeologist were discussed in details and it was unanimously agreed that department should follow future strategy as under:-

- I. Hand pumps budget should not be given constituency wise but it should be based on the NRDWP water supply status of habitations i.e. first preference to be given to the habitation where water supply level is 0-25% coverage,

- II. Hand Pumps should be installed in drought prone areas identified by the concerned Executive Engineer and this list should be approved from the District Water Supply & Sanitation Mission (DWSSM). However, from this approved list, Hon'ble MLA/MP may give their priority.
- III. In drought areas, first preference may be given to off road/newly constructed roads locations.
- IV. It was brought to the notice by Sr.Hydrogeologist, Una that hydrogeological feasibility report is not being prepared by the Sr.Technical Assistants except Una Circle. Therefore, it was unanimously agreed that in future all STAs will ensure submission of hydrogeological feasibility report as well as GPS coordinates to concerned Executive Engineers with a copy to CE, SE & Sr.Hydrogeologist, Una before giving point for drilling.
- V. The tender for hand pumps must be called at Head Office level through Executive Engineer, Division No.-1, Shimla-9, as per previous practices before year 2013. It should include 75% share of off road locations and 25% share of newly constructed roads as per recommendation submitted by the concerned Chief Engineers.

B) BOTTLENECKS :-

- I. Unique identity has not been provided for most of the hand pumps.
- II. Most of the divisions are not maintaining register of hand pumps containing data regarding depth of borewell, year of drilling, mode of drilling, depth of water table, static water level, name of firm, type of casing pipe, make of hand pumps & number of riser pipes.
- III. Numbers of log sheets for drilled hand pumps are not available.
- IV. Repair and maintenance registers of hand pumps are not maintained at division level.
- V. No specific maintenance funds for hand pumps is provided.

During discussion, it was also observed that following points need attention for effective implementation of the Govt. programme:-

- I. Log Sheets of drilling should be verified only by the functionary physical supervising the drilling operation and no functionary i.e. JE/STA who has not supervised the drilling should verify the drilling log Sheet.

- II. Besides, at present there exists no evaluation process of the outcome/ benefit of the rainwater harvesting structure. The evaluation process should be entrusted to Sr.Hydrogeologist who is having team of two Junior Hydrogeologist and 18 STAs.
- III. The STA should periodically undertake impact assessment of each Rain Water Harvesting Structures in their area of jurisdiction to be determined by the Sr.Hydrogeologist.

C) REMEDIAL STEPS REQUIRED.

- I. The unique identification for each hand pump may be generated in manner that the initials of the divisions may be followed by the initials of the Sub-Divn. further to be followed by year of installation and serial number of the hand pump.
- II. Location coordinate be marked on the hand pump at site alongwith with unique identification no.
- III. A complete register of hand pumps should be maintained at Divisional level containing vital data as indicated above.
- IV. Repair and maintenance of register should be maintained in each Division/Sub-Division.
- V. The dedicated trained team for repair of hand pump should be provided with transport facility and adequate T&P.
- VI. Sr.Hydrogeologist, GWO Una should be made the sole Nodal Agency to approve the sites throughout the State for all departments and private borewells.
- VII. Centralized tendering process for drilling of new borewells should be adopted at Head Quarter level.
- VIII. Energisation should be totally discouraged and if required under exceptional circumstances, it is to be approved by the three member committee headed by Chief Engineer and one member each from other stake holder department and PRI. (Preferably for borewell with discharge more than 1.00 LPS).
- IX. PVC casing pipes should be used in DTH bore wells.
- X. Feasibility report of all the sites must be finalized before awarding the work.
- XI. A separate adequate fund for maintenance of hand pumps is recommended.

In addition to above, the Report on Physical Verification on functioning of hand pumps under all IPH Divisions except Keylong, Pooh, Kaza, Reckong Peo, Nerwa, Rohru, Jubbal, Nauradhar & IPH Sub-Division Bharmour, carried out during 14.07.2014 to 15.09.2014, prepared by Sr. Hydrogeologist, GWO, Una was discussed. All Chief Engineers were requested to give their reports /comments latest by 15.07.2015 on the observations/recommendations conveyed in the report to Chief Engineer(D&M) which shall be compiled within a week's time. It was also decided that physical verification of hand pumps under Divisions/ Sub-Divisions, which could not be undertaken earlier, shall be carried out during July to September, 2015 and CE(WSSO) shall provide adequate funds for the same. The Chief Engineer shall also send comments on the following points:-

- As per record of P&I, 29117 hand pumps had been provided at site upto 31.5.2014. But as per physical verification report 31343 hand pumps were reported.
- Total 27555 (87.93%) hand pumps are functioning whereas 12.07% are non functional. Out of 3784 non functional hand pumps 2521 are repairable. Special attention should be paid by all the CEs towards 2521 repairable hand pumps and Sr.Hydrogeologist will submit report for failure of 1263 non repairable hand pumps.
- The detailed reason for installing hand pumps in excess to the reported hand pumps in the following divisions need to be identified and reported:-

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|------------------|--------------|
| 1. Dharamshala | 2. Shahpur |
| 3. Thural | 4. Kullu-II |
| 5. Anni | 6. Bilaspur |
| 7. Nalagarh | 8. Paonta |
| 9. Barsar | 10. Sarkaght |
| 11. Dehra | 12. Hamirpur |
| 13. Sunder Nagar | 14. Baggi |
| 15. Karsog | 16. Padhar |
| 17. Salooni | 18. Una-II |

The meeting ended with a vote of thanks to and from the CHAIR.