

Himachal Pradesh
Irrigation & Public Health Department

No. IPH-SE P&I-EE-D-I-Tech. Committee /2015-16 2224-33 Dated: 06-08-2015

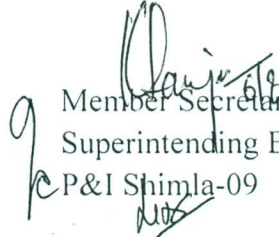
To

The Chief Engineer,
(SZ), (DZ), (MZ), (HZ).
Under IPH Deptt.
Himachal Pradesh.

Subject:- Minutes of Meeting.

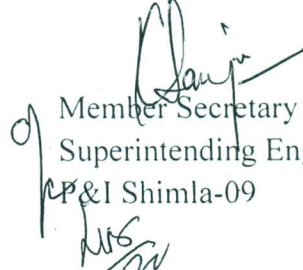
Enclosed please find herewith the minutes of Ist Technical Committee Meeting for the year 2015-16 held on 31.07.2015 under the chairmanship of Engineer-in-Chief (IPH) US Club Shimla-01 for your kind information and further necessary action please.

DA: As above.


Member Secretary – cum
Superintending Engineer,
P&I Shimla-09

Copy to:-

1. The Additional Chief Secy.(IPH) to the Govt. of H.P. Shimla -2 for information please.
2. The Engineer-in-Chief, IPH Department, US Club, Shimla -01 for information please
3. The Chief Engineer (D&M) Jal Bhawan Kasumpti , Shimla-09 for information please
4. The Chief Engineer cum Director. WSSO, IPH Deptt., Dhalli, Shimla-12. for information please.
5. The Superintending Engineer, (Works) IPH Department Shimla-1 for information & Similar necessary action.
6. Joint Controller (F&A) IPH Department, US Club, Shimla -01 for information please


Member Secretary – cum
Superintending Engineer,
P&I Shimla-09

**MINUTES OF 1st MEETING OF STATE TECHNICAL COMMITTEE FOR THE YEAR
2015-16 HELD ON 31-07-2015 AT 11:00 A.M. UNDER THE CHAIRMANSHIP OF
ENGINEER-IN-CHIEF (IPH), U.S. CLUB SHIMLA-1.**

1st meeting of the State Technical Committee for 2015-16 was held under the chairmanship of Engineer-in-Chief at Shimla on 31-07-2015 at 11.00 AM.

The following were present:

1. Er. K.C. Dhiman CE (SZ)
2. Er. Anil Bahri CE (DZ)
3. Er.R.K.Jaryan CE (D&M)
4. Er. Suman Vikrant, CE (HZ)
5. Er. Rajesh Bakshi CE (MZ)
6. Er. Sanjeev Kaul, Member Secretary-cum-SE (P&I)
7. Er. R.K. Khawla, Executive Engineer D-I, (P&I)

At the outset, Member Secretary welcomed all the members to the 1st meeting of technical committee for the year 2015-16. The last meeting of technical committee was held on 23-8-2014 . The minutes of the meeting were circulated to all concerned vide Member Secy.-cum-SE (P&I)-I letter No.-Tech. Committee/2011-vide No. 1245-60 dt. 3-9-2014, for comments. Some comments were received from CE S/Z, CE D/Z, CE H/Z and CE M/Z, which were incorporated in agenda during discussion. The minutes of last meeting were confirmed. Thereafter, with the permission of the chair, agenda items were taken for discussion, as under:-

Item No.1.Revision of Tender Form:

The Committee was apprised that no comments have been received from the Sub-committee, which was reconstituted under the Chairmanship of Er. A.K. Gupta CE, who has since retired. The chairman, however, requested all CEs to furnish copy of comments/report prepared by Sub- committee, if available with them.

It was decided that Chief Engineers from all zones will give their comments to CE (D&M) by 31st August, 2015 and same shall be compiled and a preliminary report shall be sent by CE(D&M) by 30th Sept, 2015.

Item No. 2. Standardization of Design & other technical Parameters of Rising mains & Pumping Machinery.

It was decided in the last meeting that the Sub-Committee under the chairmanship of CE (D&M) will submit report by 15-10-14. The report was, however, not received. The matter was discussed in detail and it was decided by the Chairman that all zonal CEs shall send their detailed comments covering aspects, such as, provision of twin rising main, pumping hours for rural and urban water supply, minimum requirement and capacity of sector reservoirs including inlet/outlet discharge meters, duty condition of pumping machinery including range on plus and minus side, standby machinery etc. to CE (D&M) by 31st Aug, 2015. It was also observed by chairman that latest Water Supply and Sewerage manual are not available in field office as well in design units. It was desired that CEs should ensure that latest manuals are available at Divisional/sub divisional offices.

Item No. 3. Use of V- wire screens in Tube wells in place of slotted M.S. pipes.

Detailed report received from Senior Hydrogeologist, Una vide letter No. IPH/GWO/E-32/2015-16-560-63 dated 15-06-2015, regarding yield of tube wells with and without V-wire installed in similar hydrogeological conditions and the cost comparison with MS Slotted pipe, was discussed in detail. Finally, the committee decided that use of V-wire screen shall be purely need based and as per site conditions. STA will send their recommendation to Superintending Engineer who will seek Sr. Hydro geologist's comments and further recommend to Chief Engineer to take final decision in the matter. However, quantity of water available and future water demand must be considered before taking a decision in this regard. This procedure should be followed for all kind of sources except for hand pumps. It was also decided that no payment should be released for dry bore well unless it is approved by the concerned Chief Engineer.

Item No. 4. Introduction of twin oxide as a cleaning agent of water.

The firm, M/S Sai Consortium, Parwanoo, Distt. Solan, had requested to introduce twin oxide as cleaning agent of water. In the last meeting, It was decided that the firm shall submit the result of this chemical and give the cost comparison of their product with conventional bleaching powder. The firm was asked to approach CE (MZ) for trial of their product on three numbers pilot schemes.

CE (M/Z), informed that firm had taken the sample of only one scheme and even residual chlorine could not be verified for the sample. It was, therefore, decided to drop the item.

Item No. 5. RLTl Techmag Series Electromagnetic Flow meters.

CE (MZ) & (DZ) apprised the Committee that RLT Instrument Pvt. Ltd., Chennai-6000024, manufactures of electromagnetic water flow meters, did not install the water flow meter on trial basis as decided in the last meeting. It was, therefore, decided to drop the item.

NEW ITEMS

1. Item No. 1. Regarding Chappar, Talab, Jhod etc. (Pond) water treatment in village of India by SVS Aqua Eco System.

The committee observed that treatment for Chappar, Talab, ponds etc is not relevant to the department as such types of works are not executed. It was, therefore, decided to drop the item.

2. Item No. 2. Regarding introduction & request of Approval of Flowmore make centrifugal & vertical pumps.

The committee examined the documents submitted by M/S Flowmore Ltd. 443 Udyog Vihar, Phase III, Gurgaon, Haryana and decided that firm may approach all Zonal CEs and install one set in each zone on pilot basis, at their cost, by 31-10-2015 for performance evaluation for a period of 6 months after installation before taking further decision in this regard.

Item No 3. Regarding Aerated Autoclave Concrete (AAC) Block:

The Item was discussed and dropped as the product is of limited use to the department.

Item No 4. Flexible Water storage tanks for drinking water in rural areas:

The item is similar to item No4 a, for which presentation was to be made by concerned agency. It was decided to pend the item till the performance of item at Sr. No. 4 a, is evaluated.

Item No 4a. Technical representation for Wetcomb Defaflex drinking water Tanks:

The representative of Shalimar Enviro Pvt. Ltd., Pritampura , New Dehli, made a presentation before the committee and emphasized on its advantages such as wide temperature range, quick installation and reasonable construction cost / ltr. It was decided that the firm shall contact CE(S/Z) for installation on trial basis, free of cost, preferably for Sanjauli tank, which has been reported to have developed leakages. The firm may also give free trial in other zone for important old storage tanks having developed leakage over the years. The performance shall be monitored and evaluated after 6 months.

Item No. 5. Introduction of Chlorine Dioxide as a cleaning agent of water in HPIPH Department:

It was decided that firm shall contact CE (D/Z) to give a demonstration/presentation in the office of CE (D/Z) by 31st August, 2015.

Item No.6: Purethane @ 100% solids polyurethane coating for portable water pipes internal & external coating :

Since, the coating is suitable for minimum pipe dia of 0.6mtr, it was decided that the firm may contact CE (H/Z) for trial on pilot basis in LIS Bhabour Sahib. The performance will be evaluated after six months and documented for taking further action in this regard.

Item No. 7: Registration and approval of perfect valves PVT. Ltd. Under “LP” Brand Cast Iron Valves.

It was decided that firm shall contact CE(S/Z) for demonstration and trial by 31st August, 2015 for further decision in the matter.

Item No. 8. Installation of Bio-Toilet at Craft Mela-2011 at Surajkund :

It was decided that firm shall contact CE (M/Z) for demonstration and trial by 31st August, 2015 for further decision in the matter.

Item No 9. Providing reliable & economical non electricity based disinfection dosing system.

The representative of M/S Bharti Water Private Limited made a presentation before the committee and informed that the system is CPHEEO and IIT Roorkee approved and has been adopted in various states for the dosing of disinfectant. The committee decided that the all CEs will identify one Water Supply scheme based on percolation well / infiltration gallery / tube well per zone, where bacteriological contamination has been reported and the system would be installed on pilot basis for trial purposes after calling online tenders. The performance will be evaluated for six months and documented for taking further action.

It was also decided that CE(S/Z) shall depute a responsible officer to inspect the system installed by the firm for WSS in Punjab.

Item No. 9 a. Dosatron non electricity based dosing pump and CDD5000 (chlorine Dioxide) for disinfection of drinking water:

The representative of M/S Bharti Water Private Limited made a presentation and explained the advantages of Chlorine Dioxide over bleaching powder. The committee decided that the all CEs will identify one Water Supply scheme where the system would be installed on pilot basis for trial purposes after calling online tenders. The performance will be evaluated after six months and documented for taking further action in the matter.

Item No. 10 and 10a. Empanelment of product for rain harvesting structures /recharge of water in dry Hand Pumps and Adoption of latest GCWB approved Polymer Technology for water storage & recharge:

The representative of M/S Ashwath Infratech Pvt. Ltd, New Delhi made a presentation of rain water harvesting recharge structure and polymer technology for water storage and explained that positive result has been achieved at number of sites including those of Delhi Metro Rail Corporation. It was decided by committee that all CEs shall call online tender for one recharging site per zone to install such system on trial basis. The performance would be observed for 6 months with the help of available piezometer data/other mode and documented.

Item No.11. Request for Approval of Toshiba make soft starters.

After going through the literature submitted by firm, it was decided that firm may approach all Zonal CEs and install one set in each zone on pilot basis at their cost. The performance would be evaluated for six months before taking further decision in this regard.

Item No.12. Introduction of Grundfos Pumps.

After going through the literature submitted by firm it was observed that manufacturer is a well established company having sound credentials. It was, therefore, decided that firm be allowed to compete for one tender in each zone by making necessary amendment in the DNIT. The firm will be informed well in time about the tender and the performance would be evaluated for six months before taking further decision in this regard.

Item No. 13 and 13 a: Safe drinking water disinfected by “CDD5000” Chlorine Dioxide and Regarding Chlorination Disinfection By products in Water Prone to Cancer.

The item is covered under agenda item No 9a.

Item No.14. Request for Vender Registration / Approval of Actuator valves:

After going through the literature submitted by firm it was decided that firm be allowed to compete for one tender in each zone by making necessary amendment in the DNIT. The performance would be evaluated for six months before taking further decision in this regard.

Item No.15. Eco-friendly, cost effective & quality products from natural resources, for water proofing:

The firm had requested for entering in to Rate Contract. It was, therefore, decided to drop the item.

Item No. 16. Vender Empanelment in IPH for Electric Cable:

The committee observed that cables are not procured by department on stand alone basis and therefore decided to drop the item.

Item No. 17. Manufacturing & supplying of Submersible Pumping sets, Centrifugal Pumps & Sewerage Submersible Pumps Hindustan Make:

The committee examined the brochure received from the firm and decided to allow the firm to give the demonstration of product to CE (H/Z) by 31-8-2015 for performance evaluation.

Item No. 18. Clean water manufactured by ION Exchange India Ltd:

The representative of the firm made a presentation before the committee. It was decided that all CEs will identify one water supply scheme where the system would be installed on pilot basis for trial purposes after calling online tenders. The performance will be evaluated after six months and documented for taking further action.

Item No.19. Introductory letter cum request for running & operating Water Testing Laboratory in state of Himachal Pradesh (HP):

After deliberation, it was decided that firm may participate in the routine departmental tenders for operation and maintenance of water quality laboratories. Accordingly, it was decided to drop the item.

Item No. 20. Incorporate of Ceasefire's latest Launcher in pump house and range of Fire Extinguishers in IPH Department:

After deliberation, the committee suggested that the firm may approach the department of H.P. Fire Services. Therefore, item was dropped.

Item No. 21. Proposal for Water Treatment Disinfectant (MARK BAXTER):

It was decided that firm may approach CE(S/Z) to make a presentation and demonstration by 31-8-2015. Decision will be taken after the receipt of report from CE(S/Z).

Item No. 22. Introduction of Apollo under drain system technology by replacing stainless steel header lateral non clogging technology with single retention filter media to increase

The committee observed that use of stainless steel V-wire under drain system in rapid system in addition to conventional system stand already approved by the Technical Committee in its 3rd meeting of 2011-12, held on 6-3-2012.

Item No. 23. New Technology for raw water & waste water treatment by introducing ultra high rate clarifier (LAMPAK):

The representative of the firm made a presentation before the committee. It was decided that all CEs will identify one water supply scheme where the system would be installed on pilot basis for trial purposes after calling online tenders. The performance will be evaluated after 6 months and documented for taking further action.

Item No. 24. Request for approval of valves.

The representative of firm, AVK valves India Pvt. Ltd, made a presentation before the committee and after going through the credentials and performance reports it was decided to approve the make for inclusion in the DNIT. The representative of firm offered to supply one sluice valve of 300mm dia to CE(S/Z) and one air valve to each zone, free of cost for demonstration purpose.

Item No. 25. Automated Mobile Water Testing Laboratory.

The representatives of Mobile Water Testing Lab. Hyderabad, made a presentation before the committee. It was reported that the system is working very efficiently for Municipal Corporation Chennai for the last one year. The firm was, however, asked to send a proposal to CE(S/Z) for carrying out the water sample test on per sample rate basis instead of department procuring and operating the Mobile Water Testing Laboratory. It was also decided that CE(S/Z) will depute AE, Hydrology, State Data Center, Mandi to visit M.C. Chennai for detailed study of the automated online mobile water testing lab.

Item No.26. Request for Approval of BCH Electrical items of pumping machinery such as ACB, MCCB, ATS, Star Delta starters, Relays etc.:

It was decided that firm be allowed to compete for one tender in each zone by making necessary amendment in the DNIT for replacement of damaged electrical items. The firm will be informed well in time about the tender and the performance would be evaluated for six months before taking further decision in this regard.

Item No.27. Approval of WPIL Make pumps From WPIL Ltd. Ghaziabad:

After going through the brochure of firm, it was decided that firm be allowed to compete for one tender in each zone by making necessary amendment in the DNIT. The firm will be informed well in time about the tender and the performance would be evaluated for six months before taking further decision in this regard.

Item No.28. Use of Ductile Iron Pipes & fitting for water supply & Irrigation Projects:

The committee examined the comments received from the CEs regarding use of DI pipes and fittings. After detailed discussion, it was decided that all CEs will make provision in estimate, where it is feasible to use DI pipes by taking into consideration life cycle cost of pipeline and site conditions.

It was also desired by Chairman that all CEs shall intimate the name of schemes, where pipe lines have been changed before completion of useful life of pipe to CE (D&M) within one month positively.

The committee also discussed the additional agenda items received vide CE (H/Z) letter No. 7301 dt 29-7-2015.

Additional Agenda Item No. 1. Regarding Acquisition of Land for Projects:

CE (H/Z) explained that due to land acquisition problems, progress of work is often retarded and project completion is delayed. He further suggested that gift deeds in the name of department should be obtained from individual land owners before the preparation of DPR.

The chairman desired that all CEs should give detail of works/projects held up due to delay in land acquisition. He also emphasized that the latest instructions regarding proposing 3 adjoining Khasra numbers for invoking competition to have competitive offer for acquisition of land should be strictly adhered to. It was also suggested, that as far as possible, the acquisition of private land should be avoided.

Item No. 2. Regarding Operation and Maintenance Norms of Water supply and Irrigation scheme:

The issue regarding O&M norms of water supply, irrigation, sewerage and flood protection works was discussed. It was decided that all CEs will send details of technical sanction accorded in respect of all schemes for operation and maintenance under their jurisdiction within 3 months. It was emphasized by chairman that no expenditure should be incurred on O&M of any scheme without prior technical sanction issued by the competent authority.

Item No. 3. Regarding standard DNIT of Turnkey Projects:

The CE (H/Z) had proposed that standard DNIT, based on approved DNITs and award letters of major projects, be prepared and circulated.

It was decided that all CEs shall provide copy of DNITs pertaining to major projects under their jurisdiction along with their comments highlighting the main feature, strengths, weaknesses and suggestion of improvement for each case under their jurisdiction to CE (D&M) within one month.

Item No. 4. Approval of Ion Exchange Water Treatment Technique:

This item was discussed under agenda item No. 18 & 23.

Item No. 5. Design Mix Concrete of Grades M25 and M30.

It was decided that all CEs shall give detailed comments to CE (D&M) within 3 months for further action in this regard.

Item No. 6. Hand Pump Programme:

The committee observed that existing guidelines and instructions by Govt. are quite comprehensive and already demand based. The chairman desired that before submitting the comprehensive proposal to Govt. for repair and maintenance funds of hand pumps, all CEs shall send details of technical sanctions accorded for operation and maintenance of hand pumps under their jurisdiction for current financial year immediately.

Item No. 7. Individual Household sewerage system:

CE (H/Z) highlighted the issue regarding household refusing to take sewerage connection. The chairman desired that all CEs should specify the detail of such cases taken up with Municipal Committee/Deputy Commissioner/ other local bodies at their end for further action in this regard.

Item No. 8. Per Capita Cost under NRDWP and AIBP:

The CE (H/Z) proposed that yard stick cost under NRDWP and irrigation needs to be revised keeping in view the distant sources, higher lift involved and increasing cost of material and labour. It was decided that all CEs shall send their detailed comments along with proposal for revision of yard stick cost to CE(D&M) within a one month , who shall compile and prepare a comprehensive proposal within one month of receipt of the same from zonal CEs.

Item No. 9. Revision of Tender form in respect of IPH works.

This item was discussed under the original agenda.

It was desired by chairman that introduction of various new items/makes on pilot/trial basis should be made strictly within the available/sanctioned budget only.

Meeting ended with vote of thanks to end from the chair.