

## **‘Workshop on Challenges in Water Sector’**

The Institution of Engineers (India) UP State Centre with its sponsorer Gramin Kalyan Sansthan H.O. Lucknow organized a One Day Workshop on ‘Challenges in Water Sector’ on Sunday 19<sup>th</sup> June 2016 at UP State Centre, Lucknow. After inauguration, by lighting of the lamp, Er V B Singh, Ex-Chairman, UP State Centre and Chairperson of the programme welcomed the Guests, the Speakers and the Members. He said that availability of water is poor and for the last two years insufficient rains have brought the condition even worse. The recommendation be prepared and be communicated to all concerned.



### ***A view of dignitaries***

Prof. Jamal Nusrat the convener emphasized the need and control of water in surface, ground, agricultural, conjunctive use, drinking water sector and conservation besides he strongly recommended that water be brought to central list from the concurrent list in The Constitution of India.

Er Kaptan Singh, the keynote speaker and chairman Gramin Kalyan Sansthan emphasized proper management and control in all sectors with special emphasis in agricultural. The agricultural insurance, allied engagement of cultivators water budgeting and soil testing were stressed besides the priority in other sector.

Er M K Gupta, Principal Govt. Polytechnic Lucknow proposed the water be provided to everyone at suitable cost besides sample testing. Clean water shall reduce the medical expenses so it should be acquired in all possibilities.

Er R K Arya Surface Water Expert emphasized that the regulation schedule in canals be communicated to one and all before the time of sowing of crop. This regulation should be adhered also. He further emphasized the crop according to the soil efficiency.

Er Phanish Sinha, provided the data that surface water consumption is reducing and ground water usage is increasing. This imbalance is very harmful in the present scenario. He desired more tanks , canals and dams for arresting water.

Er Ravindra Kumar, Ground Water Expert, intimated that the governmental rates of water in canal in tubewells are extremely subsidized it encourages inordinate use of water this must be curbed. The supply to the ground is less and extraction from the ground is more resulting in depletion in GL. Suitable rules for drilling of tubewells be insured to avoid the imbalance.

Er C D Ram, E-in-C UPID emphasized to address all the sectors suitably confidently and without losing time. There is possibility to attain the goal with the help of Basin Planning and proper Budgeting of water.

Er C K Verma, E-in-C UPID the chief guest appreciated the proposals of emphasizing agricultural sector conjunctive use conservation of water. In using the rain water harvesting scheme proper care be taken to avoid any improper mixing. Er Praveen Malhtra, Honorary Secretary proposed the vote of thanks.



*View of gathering*

The following recommendations were proposed in the workshop by the experts and the members:-

### **Recommendations**

1. Water is under the concurrent list in The Constitution of India. It should be brought under the central list to enable effective management and control in the country.
2. About 70% people have Agricultural as their livelihood, so this sector be given improved attention.
3. Agricultural Sector consumes more than 80 % of the available water so this sector be attended on proper priority. Management and Control via Basin Planning is to be done in all possibilities.
4. Setting up and expansion of Agriculture based small and cottage Industries in Rural Areas.
5. Expansion of Service Sector and its implementation in villages for the Skill Development and Entrepreneurship of rural youths.
6. Improved storage and Sale of Agriculture Produce and more analytical policy control on the minimum support prices of the agricultural produce. Implementation and Crop insurance Schemes be done.
7. Irrigation be regulated under the intimation of regulation be communicated to all concerned at the time of sowing.
8. Water budgeting and selection of crops be done according to the condition of the soil effectively at suitable minimal cost.
9. Surface Water and Ground Water may be used in conjunction with each other and also the surface water may be made available for use through Ponds, Canal and River etc. More dams be proposed and constructed to arrest water at suitable places.

10. Extraction of water more than the absorption in ground be controlled at the places of scarcity and problems. Necessary rules be made for curbing extra extraction and drilling for fresh new tube-wells if the ground water level is depleting.
11. Water be tested for unhealthy ingredients like arsenic fluoride and heavy metals besides others and suitable action for its prevention be adhered.
12. Drinking water should be made freely available at a cheap cost to reduce the medical expenses by the Govt. and the people of India.