



भारत सरकार  
GOVT. OF INDIA



भारतीय सर्वेक्षण विभाग  
SURVEY OF INDIA  
महासर्वेक्षक का कार्यालय  
SURVEYOR GENERAL'S OFFICE  
अफ बक्स नो 37, POST BOX No 37,  
देहरादून-248001 (उत्तराखण्ड)-भारत।  
DEHRADUN-248001 (Uttarakhand)-INDIA

No.R- 2502 /647-Solar Panel  
2019

Dated : 26 September'

To

**Addl. SGs]** Eastern Zone, Kolkata@North Eastern Zone@Central Zone Jabalpur@Western Zone, Jaipur@ Northern Zone, Chandigarh@ Printing Zone, Dehradun@Southern Zone, Bangalore@Specialized Zone, Dehradun and IISM,

**Director]** Chhattisgarh GDC@Maharashtra & Goa GDC @MPGDCz @Bihar GDC, Jharkhand GDC@Orissa GDC@West Bengal & Sikkim GDC@Assam & Nagaland GDC@Meghalaya & Arunachal Pradesh GDC@Tripura, Manipur & Mizorum GDC @East Uttar Pradesh GDC@Himachal Pradesh GDC@ Jammu & Kashmir GDC@Punjab, Haryana & Chandigarh GDC@ Uttarakhand & West UP GDC@ Andhra Pradesh GDC@Kerala & Lakshadweep GDC@Karnataka GDC@Tamil Nadu, Pondicherry & ANI GDC @GISRS / Survey (Air) & Delhi GDC@National GDC@ Digital Mapping Centre@Map Archive & Dissemination Centre@Geodetic & ResearchBranch@Gujarat Daman & Diu GDC@RajasthanGDC@International Boundary Dte@Eastern Printing Group@ Northern Printing Group@ Southern Printing Group@Western Printing Group

**SUB: ROOF TOP RAIN WATER HARVESTING SYSTEMS IN ALL GOVT. BUILDINGS-REG.**

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A copy of DO Letter No.T.13011/4/2019-GW dated 11<sup>th</sup> September' 2019, of Ministry of Jal Shakti, Deptt. of Water Resources, River Development & Ganga Rejuvenation (Para 4 & Para 5) as received from DST, is forwarded herewith for your information and compliance please.

**Encl: as above  
SURVEYOR GENERAL**

Signature Not Verified

Digitally signed by COL  
SUMAN KUMAR SARKAR  
Date: 2019.09.27 14:19:12  
IST

**SURVEYOR**

**GENERAL'S OFFICE**

यू. पी. सिंह, आई. ए. एस

U.P. SINGH, IAS

सचिव

SECRETARY

Tel. : 23710305

Fax : 23731553

E-mail : secy-mowr@nic.in



भारत सरकार  
जल शक्ति मंत्रालय  
जल संसाधन, नदी विकास  
और गंगा संरक्षण विभाग  
श्रम शक्ति भवन  
रफी मार्ग, नई दिल्ली-110 001  
GOVERNMENT OF INDIA  
MINISTRY OF JAL SHAKTI  
DEPARTMENT OF WATER RESOURCES,  
RIVER DEVELOPMENT & GANGA REJUVENATION  
SHRAM SHAKTI BAHWAN  
RAFI MARG, NEW DELHI-110 001  
http://www.mowr.gov.in

D.O. No. T-13011/4/2019-GW

11<sup>th</sup> September, 2019

Dear Ashutosh,

You may be aware that as per report of National Commission on Integrated Water Resource Development (NCIWRD), the total water availability of India received through precipitation is about 4000 billion cubic-meter (BCM) per annum. After evaporation, 1869 BCM water is available as natural runoff. Due to topographical and other factors, the utilizable water availability is limited to 1122 BCM, comprising of 690 BCM of surface water and 432 BCM of rechargeable ground water. It has been estimated that the average annual per capita water availability in the years 2001 and 2011 were 1820 and 1545 cubic meter respectively which is likely to reduce further to 1341 cum and 1140 cum in the years 2025 and 2050 respectively.

2. Further, as per the 2017 assessment of dynamic ground water resources, out of 6881 assessment units (Blocks/ Mandals /Talukas/Firkas) in the country, 1186 units have been categorized as over-exploited'.

3. In order to improve ground water resources in the country Government of India has launched Jal Shakti Abhiyan (JSA) on 01 July 2019 in water stressed districts with the primary aim of augmenting the ground water resources for their sustainable management. Amongst various interventions identified in the JSA, roof top rain water harvesting has been planned as one of the major intervention so that the rainfall can be effectively collected from roof top of buildings and can be harvested inside the ground to recharge the ground aquifers.

4. Further, Ministry of Housing & Urban Affairs has already issued the 'Model Building Bye Laws - 2016' for the guidance of the States/UTs/Urban Local Bodies/Urban Development authorities, which has a chapter on 'Rainwater Harvesting'. 33 States / UTs have adopted the rainwater harvesting provisions. As per Model building bye Laws- 2016, provision of rainwater harvesting structure and storage including creation of recharge pits are mandatory for all public/semi public buildings in respect of all plot sizes.

1000  
3CM  
Evaporation  
Available  
1122 BCM  
690  
BCM  
Surface  
water  
432  
BCM  
Rechargeable  
Ground  
water  
D.O. Secretary, DSW  
No. T-13011/4/2019-GW  
19/9/19

ASR  
20.9.19

Contd... 2/-

JS (Admin)

JS (S&P)

Head (As)

जल संरक्षण - जीवन संरक्षण  
Conserve Water - Save Life

2019  
Asstt/SMP

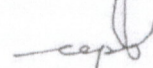
US/SO/GAL

Head (KIRAN)-web@nic

5. I would be happy if concerted efforts are made to instal roof top rain water harvesting systems in all the Government buildings in all the organisations under your Ministry (including the Ministry building). The regional offices of the Central Ground Water Board may be consulted if any technical assistance is required in this regard. You may like to issue suitable directions to all concerned in this regard and monitor the progress.

With *Regards,*

Yours sincerely,



(U.P. Singh)

Prof. Ashutosh Sharma  
Secretary  
Department of Science & Technology  
Ministry of Science and Technology  
Technology Bhavan, New Mehrauli Road,  
New Delhi-110016