

GROUND WATER AUGMENTATION AWARD (BHOOMIJAL SAMVARDHAN PURASKAR) & NATIONAL WATER AWARD (RASHTRIYA JAL PURASKAR)

for Innovative Practices of Ground Water Augmentation through Rainwater Harvesting and Artificial Recharge/promoting Water Use Efficiency/Recycling & Re-use of water/Awareness creation

Guidelines

**Ministry of Water Resources
Government of India
June, 2008**

GROUND WATER AUGMENTATION AWARD (BHOO MIJAL SAMVARDHAN PURASKAR) & NATIONAL WATER AWARD (RASHTRIYA JAL PURASKAR)

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1. Preamble

Water is an essential and vital component of our life. The fast pace of urbanization and industrialization has put a lot of stress on water sources. The dependence on ground water for these supplies is increasing alarmingly of late, since ground water is available at the point of requirement and also directly under the control of the user. This has led to uncontrolled withdrawal of groundwater resulting in the decline of ground water levels in certain pockets of the country.

Ground Water is viewed as the common pool resource. Hence, it is necessary that this resource is protected by promoting sustainable use through technically sound management practices. The natural recharge of ground water has been substantially reduced in many areas due to human interference. It is unable to keep pace with excessive withdrawal in many areas. Thus, there is a need to augment ground water resources by suitable interventions to facilitate more recharge. The availability of source of water and favourable hydrogeological conditions are vital for the successful implementation of artificial recharge schemes.

The Ground Water Augmentation Award and National Water Award have been launched with an objective to encourage the Non-Governmental Organizations (NGOs) /Gram Panchayats/ Urban Local Bodies (for population up to 1 lakh) / Institutions/Corporate Sector and Individuals for adopting innovative practices of ground water augmentation by rainwater harvesting and artificial recharge, promoting water use efficiency, recycling & re-use of water and creating awareness through people's participation in the targeted areas resulting into the sustainability of ground water resources and development of adequate capacity amongst the stakeholders.

2. Categories for Awards

Ministry of Water Resources has constituted Ground Water Augmentation Award for four categories as follows:

1. Non Government Organisations (NGOs)/ Gram panchayats & Urban Local Bodies (for population up to 1 lakh) for adoption of innovative practices for ground water augmentation through rain water harvesting and artificial recharge through peoples participation in targeted areas.
2. For the institutions implementing Farmer's Participatory Action Research Programme in promoting water use efficiency & effectiveness of the technology and its acceptance by the people.
3. For Corporate Sector – In promoting awareness, rain water harvesting, conserving water through recycling and re-use and in taking measures for improving pollution control and water quality
4. For the individuals/Institutions engaged in developing new techniques for rainwater harvesting, in causing awareness almost in all water related issues. Success in implementing Ground Water recharge programmes, developing/implementing best practices.

3. Eligibility Criteria

The Award is open to all registered NGOs, Gram Panchayats and Urban Local Bodies/Institutions/Corporate Sector and Individuals, who have achieved excellence in the field of ground water management by adopting measures of rain water harvesting and artificial recharge to ground water/in promoting water use efficiency/recycling & re-use of water/awareness creation. The selected NGOs/ Gram Panchayats/ Urban Local Bodies/Industries/Individuals/Institutions should have at least two years of field experience in ground water recharge, water use efficiency, water recycling or re-use of water and in awareness creation for the same. The Institutes implementing Farmers' Participatory Action Research Programme should have at least one crop season field experience in demonstrating the technologies leading to soil and water conservation measures and water use efficiency. In addition, the proposals to be considered for the Award, should meet the following criteria.

- Area of operation of the person, NGO, industry, institution etc. should be largely

related to ground water.

- The artificial recharge works, water use efficiencies, recycling & re-use of water and awareness creation implemented to address the issues must bring out both tangible and intangible outcomes such as increasing water level, improvement in water quality, increase in yield and number of peoples for which awareness created.
- Recharge structures, water use efficiency, initiatives, recycling & re-use of water should have been designed based on sound scientific considerations for their operation at optimal efficiency.
- Successful implementation of the practice and its replicability.
- Community participation and awareness including gender participation should be an essential element of the activity.

4. Evaluation Criteria for Selection

A Selection Committee will examine the eligible applications received as per the procedure laid down at para 7, and based on the evaluation criteria indicated below for different categories:-

Category-1 : NGOs/Gram Panchayats and Urban Local Bodies for adoption of Rain Water Harvesting and Artificial Recharge

Sl. No	Criteria	Marks
1	Relevance and significance of the work done during the last two years	10
2	Contribution for sustainability of ground water resources and its acceptance by local community	25
3	Impact assessment of the practice/ innovation implemented for ground water recharge and improvement in ground water availability and quality	25
4	Scope of replicability and suitability of transfer to other areas	15
5	Economic viability of the innovative technique/ practice including environmental advantages	25
Total Marks		100

Category-2: Institutions implementing Farmers' Participatory Action Research Programme:

S.No	Criteria	Marks
1	Effectiveness of the technology used for demonstration (Research) in terms of yield and income per unit of water used.	40
2	Cost of Technology (Rs. / ha. basis) incorporating both fixed and variable cost	10
3	Simplicity for adoption by farmers	10
4	Response of the farmers in accepting the technology in the following seasons and years	10
5	Economics of the technology (added return - added cost + Reduced cost – Reduced returns)	20
6	Possibility for mass adoption and up-scaling by the village community	10
	Total Marks	100

Category – 3 : Corporate Sector conserving water through recycling and re-use of water

Sl. No.	Criteria	Marks
1.	Adoption of Rain Water Harvesting and Artificial Recharge to Ground Water by the Industry	10
2	Adoption of new technology by the Industry requiring less water per unit of production	15
3	Conserving water through recycling and reuse of water	15
4	Measures taken for improving pollution control and water quality.	15
5	Scope of replicability and suitability of transfer of technology to other industries	10
6	Economic viability of the innovative technique/practice including environmental advantages and its acceptance by the corporate sector.	15
7	Contribution for creating awareness in water related issues in last two years	20
	Total Marks	100

Category – 4: Individuals/institutions engaged in developing new techniques for rainwater harvesting & recharge and creating awareness

Sl. No.	Criteria	Marks
1	Relevance and significance of the work done in recharging Ground Water in last two years.	10
2	Contribution for sustainability of ground water resources and its acceptance by the local community.	15
3	Contribution for causing awareness in water related issues in last two years.	15
4	Development of new technology for rain water harvesting and recharging to ground water	20
5	Scope of replicability to similar other areas.	15
6	Economic viability of the innovative technique/practice including environmental advantages.	25
	Total Marks	100

For the purpose of awards for NGO/Gram Panchayat and Urban Local Body, the whole country shall be divided in six zones namely; Northern, Eastern, Southern, Western, Central and North Eastern. The States/UTs included in different zones are given in Annexure-I

To qualify for the Award, a minimum score of 50 marks is required. The State Level Committee after technical scrutiny, shall short list three best applications in each category i.e. NGO / Gram Panchayat / Urban Local Body and one best application for Institutions/corporate sector/Individuals from each State. The recommended applications received from various Nodal Departments of the State Governments / UTs will be scrutinised by the Members of the Selection Committee. The Committee will short list the applications as detail given below:

- 1. One award each for the NGOs, Gram Panchayats and Urban Local Bodies respectively for each zone and thus there would be three awards for each zone.***
- 2. One award each for Institutions/ corporate sector/individual from entire country.***

In all there will be 21 awards for all categories taken together. There will be one National Water Award from amongst 21 award winners for the best innovative practice of water conservation, recycling and reuse, water use efficiency, ground water augmentation through rain water harvesting and artificial recharge. The decision of the Chairman of the committee shall be final in the matter.

5. Selection Committee for Evaluation

There shall be a Selection Committee notified by the Ministry of Water Resources for evaluation headed by a Chairperson and four Expert Members. The Director (GW), Ministry of Water Resources will act as Secretary of the Committee.

6. Composition & Citation of the Ground Water Augmentation Award and National Water Award

1. National Water Award consisting of a cash award of Rs. 10 lakhs and a plaque with citation. The National Water Award will be given for the best innovative practice of water conservation, recycling and reuse, water use efficiency, ground water augmentation through rain water harvesting and artificial recharge from amongst 21 award winners.
2. The Ground Water Augmentation Award will consist of a cash award of Rs.1 Lakh each and a plaque with citation. There will be 18 awards for category -1.
3. In addition, there will be three new awards, one each for Institutions implementing Farmer's Participatory Action Research Programme; for Corporate Sector and for Individuals/Institutions. These will also consist of a cash award of Rs.1 Lakh each and a plaque with citation.

7. Procedure for forwarding the Application for Award

Following procedure is to be followed for forwarding eligible applications for the Award

1. Eligible NGOs/Gram Panchayats / *Urban Local Bodies/Institutions/Corporate Sector/Individuals* may submit their applications to the concerned District Magistrate / Collector through Block Development Officer (B.D.O.) concerned / the Chief Executive Officer concerned of the Zilla Panchayat/ the concerned authority of the Urban Local Body.
2. The District Magistrates / Collectors after their recommendations will forward the applications to the concerned nodal department viz. Water Resources, Ground Water, Irrigation Department, etc. of the State Government / UT.
3. The technical scrutiny of such applications will be done by a State Level Committee comprising of three Members one each drawn from the concerned Nodal Department, Agriculture Department of the State Govt. / UT and the concerned Regional Director of CGWB. The Committee, after technical scrutiny, will short list three best applications in each category i.e. NGO / Gram Panchayat / *Urban Local Body* and one best application for Institutions/corporate sector/Individuals.
4. The Nodal department of the State Govt./ UT concerned will forward the short listed applications with the recommendations of the State Level Committee to the Secretary of the Selection Committee in Ministry of Water Resources, New Delhi.

States/UTs included in different zones

1. **Northern Zone** - Jammu & Kashmir, Himachal Pradesh, Punjab, Haryana, Delhi, Uttar Pradesh, Uttaranchal and Chandigarh.
2. **Eastern Zone** - Bihar, West Bengal, Orissa, Jharkhand and Andaman & Nicobar Islands.
3. **Southern Zone** - Andhra Pradesh, Tamil Nadu, Kerala, Karnataka, Goa, Pondicherry and Lakshdweep Islands
4. **Western Zone** - Rajasthan, Gujarat, Maharashtra, Daman & Diu and Dadra & Nagar Haveli.
5. **Central Zone** - Madhya Pradesh and Chhattisgarh.
6. **North Eastern Zone**- Arunachal Pradesh, Assam, Meghalaya, Manipur, Mizoram, Nagaland, Tripura and Sikkim.

APPLICATION FORM FOR GROUND WATER AUGMENTATION AWARD & NATIONAL WATER AWARD

(For Non Governmental Organizations / Gram Panchayats / Urban Local Bodies for innovative practices for ground water augmentation through Rainwater Harvesting and Artificial Recharge to Ground Water)

1. Name of the NGO/ Gram Panchayat / Urban Local Body* /
(* Urban Local Body for population up to 1 lakh)
.....
2. Brief Profile
(NGO/ Gram Panchayat/ Urban Local Body)
 - a. Complete Postal Address
.....
 - i) Phone No. :
 - ii) Fax No. :
 - iii) E-mail :
3. Previous Achievements (in water sector)
4. Brief description about the work done (in 1000 words), indicating
 - i. Area of implementation
 - ii. Pre- and Post implementation scenario
 - iii. Works implemented
 - iv. Total benefits accrued (tangible & intangible)
 - v. Type of innovative methodology/technology adopted
 - vi. Outputs and outcomes
 - vii. Benefit – cost ratio
 - viii. Sustainability
 - ix. Scope of replication
 - x. Awareness generated
5. Name of the proposer
- Position
- Address.....
- Signature.....

6. Name of the Seconder
Position
Address
Signature.....
7. Confirmation by the proposer that the NGO/ Gram Panchayat/ Urban Local Body has agreed for this Award.
8. A statement by the Proposer/ Seconder not exceeding 1000 words explaining why the nominee should be considered for this Award. This should highlight aspects like (i) Relevance and significance of the work for the last two years from the regional and/or national perspective (ii) Contribution towards development of sustainability of ground water resources and its acceptance by local community (iii) Impact assessment of the practice/ innovation implemented for ground water recharge and improvement in ground water quality (iv) Scope of replicability and suitability of transfer to other communities (v) Economic viability of the innovative technique/ practice including environmental advantages.
9. Whether the achievements have already been recognized for Award by any other institution/ organization. If so, name of the institution/ organization, Award and year.
10. Recommendation by the concerned District Magistrate / Collector.
11. Recommendations of the concerned State Govt. Dept.

APPLICATION FORM FOR GROUND WATER AUGMENTATION AWARD AND NATIONAL WATER AWARD

**(For Institutions implementing Farmers' Participatory Action
Research Programme)**

1. Name of the Institute

2. Brief Profile

b. Complete Postal Address

.....

i) Phone No. :

ii) Fax No. :

iii) E-mail :

3. Previous Achievements (in implementing demonstrations)

.....

4. Brief description about the work done (in 1000 words), indicating

- i. Area of implementation
- ii. Pre- and Post implementation scenario
- iii. Work implemented
- iv. Effectiveness of technology used
- v. Cost of technology (Rs. /ha basis) incorporating both fixed and variable cost
- vi. Total benefits accrued (tangible & intangible)
- vii. Type of innovative methodology/technology adopted
- viii. Benefit – cost ratio
- ix. Scope of replication
- x. Water use efficiency per crop season
- xi. Responses of farmers in accepting the technology.

5. Name of the proposer

Position

Address.....

Signature.....

6. Name of the Seconder
- Position
- Address
- Signature.....

7. Confirmation by the proposer that the Institution has agreed for this Award.

8. A statement by the Proposer/ Seconder not exceeding 1000 words explaining why the nominee should be considered for this Award. This should highlight aspects like (i) Relevance and significance of the work for the last one crop season (ii) Contribution for enhancement of the yield per unit area and its acceptance by the farmers (iii) Water use efficiency (iv) Scope of replicability and suitability of transfer to other areas (v) Economic viability of the innovative technique/ practice including environmental advantages.

9. Whether the achievements have already been recognized for Award by any other institution/ organization. If so, name of the institution/ organization, Award and year.

10. Recommendation by the concerned District Magistrate / Collector.

11. Recommendations of the concerned State Govt. Dept.

APPLICATION FORM FOR GROUND WATER AUGMENTATION AWARD AND NATIONAL WATER AWARD

(For Corporate Sector In promoting awareness, rain water harvesting, conserving water through recycling and re-use and in taking measures for improving pollution control and water quality)

1. Name of Industry
2. Brief Profile

 - a. Complete Postal Address

 - i) Phone No. :
 - ii) Fax No. :
 - iii) E-mail :

3. Previous Achievements (in water sector)
4. Brief description about the work done (in 1000 words), indicating
 - i) Area of implementation
 - ii) Pre- and Post implementation scenario
 - iii) Works implemented
 - iv) Total benefits accrued (tangible & intangible)
 - v) Type of innovative methodology/technology adopted
 - vi) Adoption of new technology by the industry requiring less water per unit of production
 - vii) Measures taken for improving the pollution control and water quality
 - viii) Volume of water (in m³) recycled every year
 - ix) Economic viability of the technique and its acceptance by the corporate sector.
 - x) Scope of replication
 - xi) Awareness generated
5. Name of the proposer

Position

Address.....

Signature.....

6. Name of the Seconder
Position
Address
Signature.....
7. Confirmation by the proposer that the Industry has agreed for this Award.
8. A statement by the Proposer/ Seconder not exceeding 1000 words explaining why the nominee should be considered for this Award. This should highlight aspects like (i) Relevance and significance of the work for the last two years from the regional and/or national perspective (ii)Volume of water recycled every year (in m³) (iii) Adoption of new technology by the industry requiring less water per unit of production (iv) Measures taken for improving the pollution control and water quality iv) Scope of replicability to other industries (vi) Economic viability of the innovative technique/ practice including environmental advantages.
9. Whether the achievements have already been recognized for Award by any other institution/ organization. If so, name of the institution/ organization, Award and year.
10. Recommendation by the concerned District Magistrate / Collector.
11. Recommendations of the concerned State Govt. Dept.

APPLICATION FORM FOR GROUND WATER AUGMENTATION AWARD AND NATIONAL WATER AWARD

(For Individuals/Institutions engaged in developing new techniques for rainwater harvesting, in causing awareness almost in all water related issues. Success in implementing Ground Water recharge programmes, developing/implementing best practices)

1. Name of the Individuals/Institutions
2. Brief Profile
- a. Complete Postal Address
- i) Phone No. :
- ii) Fax No. :
- iii) E-mail :
3. Previous Achievements (in water sector)
4. Brief description about the work done (in 1000 words), indicating
 - i) Area of implementation
 - ii) Pre- and Post implementation scenario
 - iii) Works implemented
 - iv) Total benefits accrued (tangible & intangible)
 - v) Type of innovative methodology/technology adopted
 - vi) Development of new technology for rain water harvesting & artificial recharge
 - vii) Economic viability of the innovative technique developed including environmental advantages
 - viii) Sustainability
 - ix) Scope of replication
 - x) Awareness generated
5. Name of the proposer
- Position
- Address.....
- Signature.....

6. Name of the Seconder
Position
Address
Signature.....
7. Confirmation by the proposer that the Individual/Institution has agreed for this Award.
8. A statement by the Proposer/ Seconder not exceeding 1000 words explaining why the nominee should be considered for this Award. This should highlight aspects like (i) Relevance and significance of the work for the last two years from the regional and/or national perspective (ii) Contribution towards development of sustainability of ground water resources and its acceptance by local community (iii) Development of new technology for rainwater harvesting & recharge to ground water (iv) Scope of replicability and suitability of transfer to other communities (v) Economic viability of the innovative technique developed including environmental advantages vi) Awareness generated.
9. Whether the achievements have already been recognized for Award by any other institution/ organization. If so, name of the institution/ organization, Award and year.
10. Recommendation by the concerned District Magistrate / Collector.
11. Recommendations of the concerned State Govt. Dept.