

**WEBINAR ON**

**‘Salient Features and Amendments of CGWA Notification on Groundwater Regulation and Benefits of Water Audit Study to the Industries’**

**Organized by**



**Federation of Indian Chamber of  
Commerce and Industry (FICCI)**

भारत सरकार

Government of India

जल शक्ति मंत्रालय, जल संसाधन, नदी विकास और गंगा संरक्षण विभाग

Ministry of Jal Shakti, Water Resources, River Development & Ganga Rejuvenation Dept.

केन्द्रीय भूमि जल प्राधिकरण

Central Ground Water Authority

# Salient Feature of MoJS Notified Guidelines on Groundwater Regulation and Management

T.B.N.SINGH

MEMBER SECRETARY

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# TERMINOLOGY USED

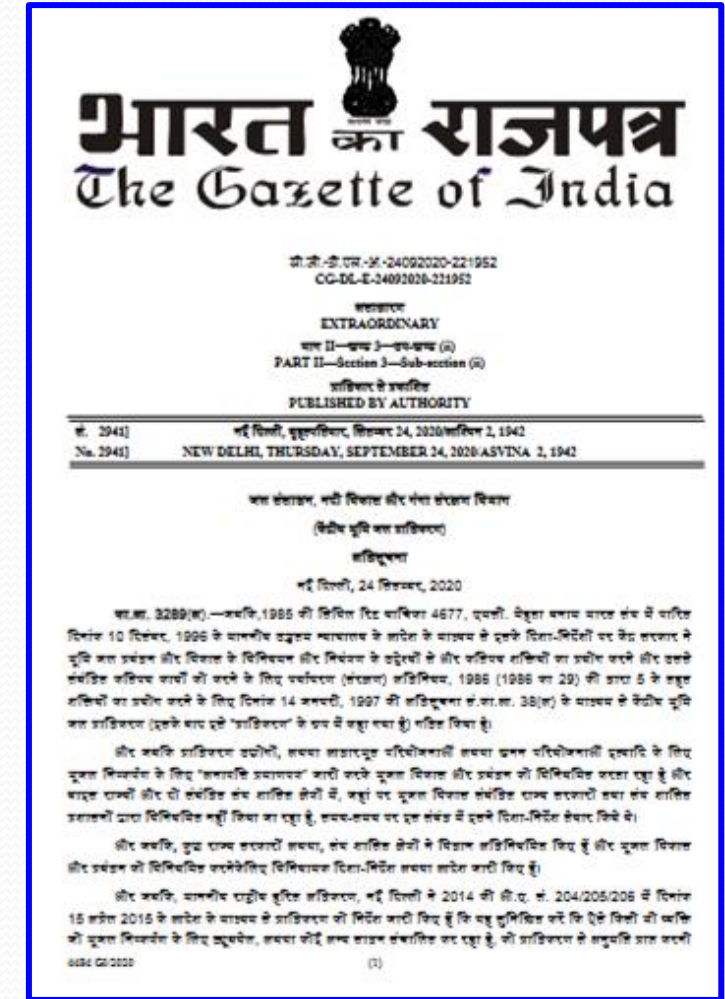
- SOE-Stage of Extraction
- OE-Over-exploited -SOE->100 Percent
- Critical-SOE-90-100 Percent
- Semi-critical-70-90 percent
- Safe-<70 percent
- Piezometer-Type of tube well/Borewell for monitoring purpose
- Observation well-Monitoring well
- IAR-Impact assessment Report
- PP-Project proponent

# CENTRAL GROUND WATER AUTHORITY

- WHEREAS, on the **directions of Hon'ble Supreme Court** vide its order dated the 10th December, 1996,
- the Central Government constituted the Central Ground Water Authority (hereafter referred to as the 'Authority') **dated the 14th January, 1997 to exercise powers**
- Under **Section 5 of the Environment (Protection) act, 1986 (29 of 1986)**
- for the purposes of regulation and control of Ground Water management and development and to exercise certain powers and perform certain functions.

# MoJS Notified Guideline

- In pursuance of the directions of Hon'ble **National Green Tribunal** and the powers conferred by sub-section (3) of Section 3 read with Section 5 of the **Environment (Protection) Act, 1986** (29 of 1986), the Department of Water Resources, River Development & Ganga Rejuvenation, hereby notifies the guidelines to regulate and control groundwater extraction in the country
- Ministry of Jal Shakti notified guidelines dated **24.09.2020** (SO No. 3289(E)).
- Vide Gazette Notification No. SO No. 1509(E), **Amendments** to guidelines dated **29.03.2023**.





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**MINISTRY OF JAL SHAKTI**  
**(Department Of Water Resources, River Development And Ganga Rejuvenation)**  
**(CENTRAL GROUND WATER AUTHORITY)**

**NOTIFICATION**

New Delhi, the 24th September, 2020

**S.O. 3289(E).**—WHEREAS, on the directions of Hon'ble Supreme Court vide its order dated the 10th December, 1996 passed in Civil writ Petition No 4677 of 1985, MC Mehta Vs Union of India, the Central Government constituted the Central Ground Water Authority (hereafter referred to as the 'Authority') vide notification number S.O. 38 (E), dated the 14<sup>th</sup> January, 1997 to exercise powers under Section 5 of the Environment (Protection) act, 1986 (29 of 1986) for the purposes of regulation and control of Ground Water management and development and to exercise certain powers and perform certain functions relating thereto;

AND WHEREAS, the Authority has been regulating ground water development and management by way of issuing 'No Objection Certificates' for ground water extraction to industries or infrastructure projects or Mining Projects etc., and framed guidelines in this connection from time to time in twenty two States and two Union territories, where ground water development is not being regulated by the State Government Union Territory administration concerned;

AND WHEREAS, some of the State Governments or, Union territories enacted legislations and issued regulatory directions or orders for regulating ground water development and management;

AND WHEREAS, the Hon'ble National Green Tribunal, New Delhi vide order dated the 15<sup>th</sup> April 2015 in OA Nos. 204/205/206 of 2014 has issued directions to the Authority to ensure that any person operating tube-well, or any means to extract ground water shall obtain permission from the Authority and shall operate the same subject to the law in force, even if such unit is existing unit or the unit is yet to be established;

## MINISTRY OF JAL SHAKTI

(Department of Water Resources, River Development and Ganga Rejuvenation)

(CENTRAL GROUND WATER AUTHORITY)

### NOTIFICATION

New Delhi, the 29th March, 2023

**S.O. 1509(E).**— In exercise of the powers conferred by sub-section (3) of section 3 read with section 5 of the Environment (Protection) Act, 1986 (29 of 1986), the Department of Water Resources, River Development & Ganga Rejuvenation, hereby makes the following amendments to the guidelines to regulate and control groundwater extraction in India, published in the Gazette of India, Extraordinary, Part II, section 3, sub-section (ii), vide Notification number S.O. 3289 (E) 24<sup>th</sup> September, 2020, namely:-

In the said notification, for the Schedule, the following changes in the Schedule shall be substituted/added, namely:-

#### “Schedule

1. In the Guidelines to regulate and control groundwater extraction in India, 2020 -

(a). in the Index, Item no. 16.0 ,for the words “Provisions of Penalty” the words “Provision of Penalty and Charges for correction/modifications in NOCs” shall be substituted.

(b). in the index, in the Annexures, for the words, “Annexure VI : Indicative list of Infrastructure projects”, the words, “Annexure VI : Indicative list of location specific Infrastructure projects” shall be substituted.

(c). in the index, in the Annexures, for the words, “Annexure X : Annual water audits by the industries” , the words, “Annexure X : Water audits by the industries” shall be substituted.

2. In the said guidelines, in the paragraph 1.0, after clause (v), clauses (vi),(vii) shall be added namely:-

“(vi) All industries/ mining projects/ infrastructure projects drawing ground water only for drinking/ domestic purposes up to 5 Cum /day in all assessment units.

# Applicability

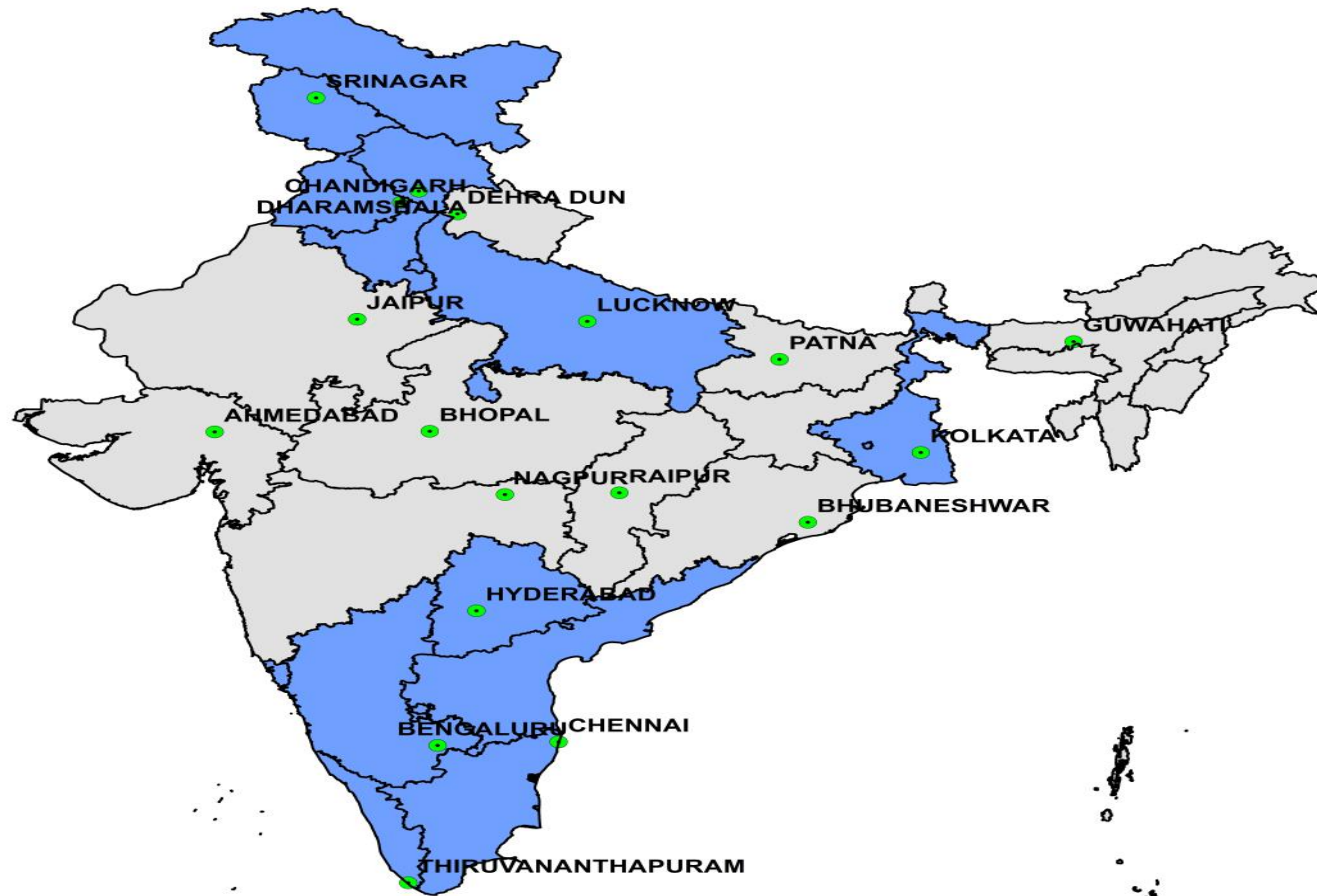
- **Guidelines will come in force with immediate effect from issue of Notification with prospective effect.**
- **These guidelines will** supersede all earlier guidelines issued by the Central Ground Water Authority (CGWA)
- **Guidelines will have pan-India applicability.**
- To have sustainable management of water resources and **conserve the scarce groundwater resources** in the country.



# CGWA Guideline

- CGWA guidelines shall prevail in case of inconsistency with State guidelines.
- If the State has more **stringent provisions**, the State provisions shall prevail.
- The entire process of grant of No Objection Certificate shall be online through a **web based application system**.

# STATE-WISE STATUS OF GROUND WATER AUTHORITY



## Legend

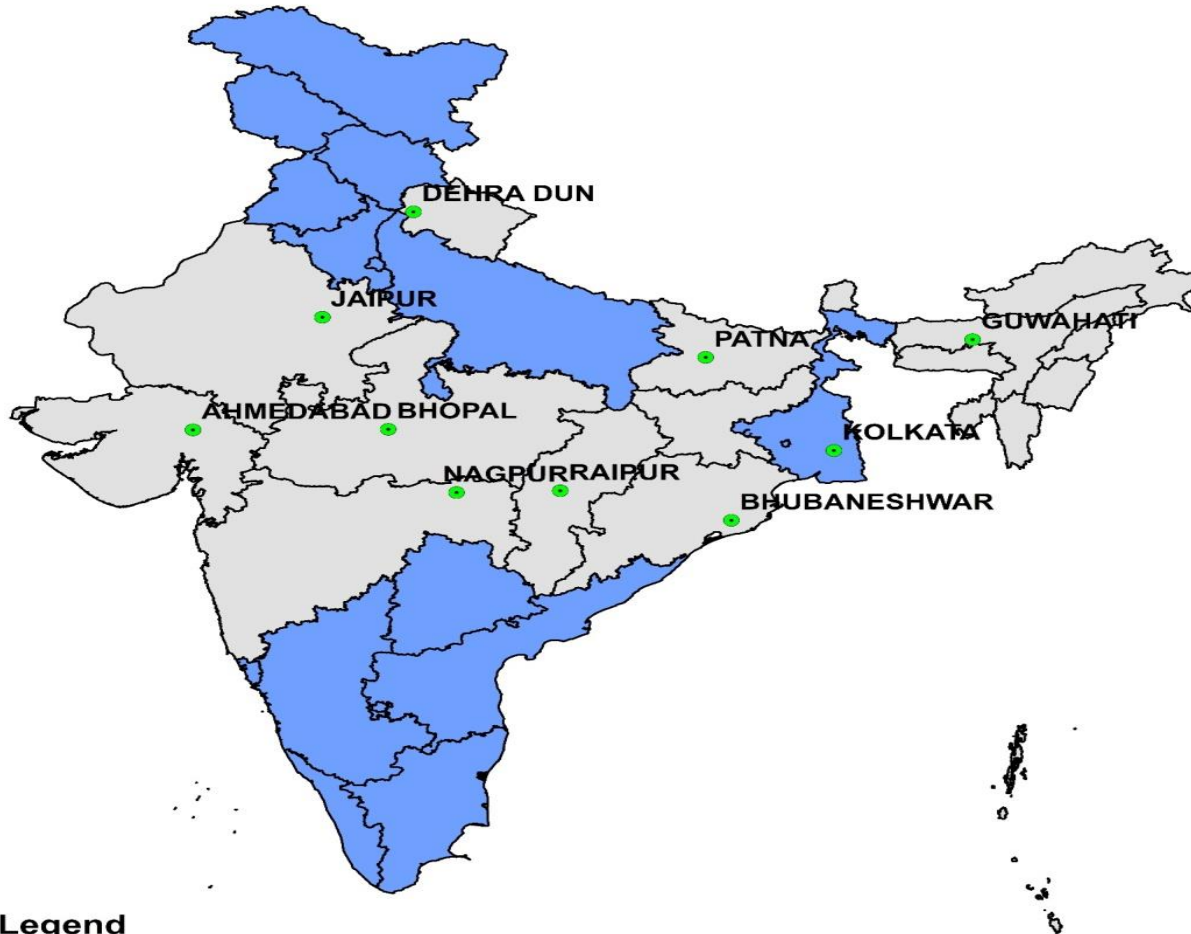
- States/ UTs under CGWA Jurisdiction (19 Nos)
- States/ UTs under SGWA Jurisdiction (17 Nos)

0 130260 520 780 1,040 Kilometers

**States/UTs with Ground Water  
Authority Under CGWA – 19  
Nos**

**7 NE States  
Bihar, Jharkhand, Odisha,  
Madhya Pradesh,  
Chhattisgarh, Maharashtra,  
Gujarat, Daman Diu and  
DDH, Rajasthan, Sikkim, A&N  
Islands, Uttarakhand**

# STATE-WISE STATUS OF GROUND WATER AUTHORITY



## Legend

- Regional offices with CGWA
- States/ UTs under CGWA Jurisdiction (19 Nos)
- States/ UTs under SGWA Jurisdiction (17 Nos)

0 130 260 520 780 1,040 Kilometers

## Regional Offices having CGWA Works (10 Regions)

1. NER, Guwahati – 7 NE States
2. MER, Patna – Bihar, Jharkhand
3. SER, Bhubaneswar – Odisha
4. NCR, Bhopal – Madhya Pradesh
5. NCCR, Raipur – Chhattisgarh
6. CR, Nagpur – Maharashtra
7. WCR, Ahmedabad – Gujarat, DNH & DD
8. WR, Jaipur – Rajasthan
9. ER, Kolkata – Sikkim, A&N Islands
10. UR, Dehradun - Uttarakhand

# Exempted from Seeking NOC

1. Individual domestic consumers in both rural and urban areas for drinking water and domestic uses.
2. Rural drinking water supply schemes.
3. Armed Forces Establishments and Central Armed Police Forces establishments in both rural and urban areas.
4. Agricultural activities.
5. Micro and small Enterprises drawing ground water less than 10 KLD.
6. Units extracting GW only for Drinking/ Domestic purposes up to 5 KLD
7. Residential Societies:
  - (a) extracting GW up to 20 KLD for Drinking/ Domestic purpose; and
  - (b) Dwelling Units for EWS under Government Schemes

# General Conditions for NOC

## For Industry Projects

- All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake biennial (**once in two years**) **water audit** through **certified auditors of agencies as approved by CGWA** and submit audit reports within three months of completion of the same to CGWA.
- Compliance of the earlier given reports may be checked by certified water auditors after one year and the report in this regard may be shared with CGWA.
- For all new projects, document as proof of new establishment / commencement of operation i.e. **Consent to Establish/ Environmental Clearance/ any other document from a statutory agency.**



# General Conditions for NOC

## For Industry Projects

- All projects extracting/proposing to extract ground water in excess of 100 m<sup>3</sup> /day in Over-exploited, Critical and Semi-critical areas and in excess of 500 m<sup>3</sup> /day in areas underlain by non-alluvium and 2000 m<sup>3</sup> /day in areas underlain by alluvium in Safe assessment units shall have to **mandatorily submit impact assessment report and ground water modeling study** of existing/ proposed ground water withdrawal on the **ground water regime covering 5 KM radius** area around the project site.

# General Conditions for NOC

## For Industry Projects

- In case of change of ownership, new owner of the premises will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.

# General Conditions for NOC

## FOR INDUSTRIES:

- All industries drawing more than 100 m<sup>3</sup>/day of GW required to reduce their ground water use by at **least 20% over the next three years through appropriate means.**
- NOC may be issued subject to the condition that the proponent will submit Impact Assessment Report prepared by **Accredited Consultant** and Water Audit Report prepared by **certified Water auditors.**
- Copy of Rain Water Harvesting Plan submitted to Government agency by the applicant or a proposal for rain water harvesting/ recharge in the project premises as per the prevailing Model Building Bye Laws issued by Ministry of Housing & Urban Affairs, Government of India

# General Conditions for NOC

## For Industry Projects

- NOC shall be granted only in such cases where **local government water supply agencies are not able to supply** the desired quantity of water.
- All industries shall be required to adopt **latest water efficient technologies** so as to reduce dependence on ground water resources.
- **Piezometers to be constructed**
  - **In industrial clusters** (as designated or notified by Central/ State Government), Central Ground Water Board (**CGWB**) shall construct need-based piezometers as per local hydrogeological conditions and monitor water level.
  - **In non-cluster areas**, construction of observation well(s)/(piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in Section 14 shall be mandatory for industries/Infrastructure.

# Ground Water Charges

- All residential apartments/ group housing societies/ Government water supply agencies in urban areas required to pay ground water abstraction charges.
- All users seeking NOC in **OE areas** to pay **Ground Water Restoration Charges**
- All users seeking NOC in **Safe, Semi-critical and Critical areas** to pay **Ground Water Abstraction Charges**.
- The revenue generated from the proposed water abstraction/ restoration charges to be kept in a separate fund for implementation of site-specific suitable demand/ supply side interventions.



# MONITORING WELLS

- The piezometer (observation well) shall be constructed at a minimum distance of 15 m from the bore well/production well (hard rock) and 50 m incase of alluvium.
- Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells.
- Monthly water level data shall be submitted to the CGWA through the web portal.

# Ground Water Charges

## Ground Water Abstraction Charges

### Packaged Drinking Water units

S.No.	Category of area	Quantum of ground water withdrawal				
		Up to 50 m <sup>3</sup> /day	51 to <200 m <sup>3</sup> /day	200 to <1000 m <sup>3</sup> /day	1000 to <5000 m <sup>3</sup> /day	5000 m <sup>3</sup> /day and above
Rates of GW abstraction charges (Rs. per m <sup>3</sup> )						
1	Safe	1	3	5	8	10
2	Semi-critical	2	5	10	15	20
3	Critical	4	10	20	40	60

# Ground Water Charges

## Ground Water Restoration Charges

### Packaged Drinking Water units

S.No.	Category of area	Quantum of ground water withdrawal				
		Up to 50 m <sup>3</sup> /day	51 to <200 m <sup>3</sup> /day	200 to <1000 m <sup>3</sup> /day	1000 to <5000 m <sup>3</sup> /day	5000 m <sup>3</sup> /day and above
Rates of GW restoration charges (Rs. per m <sup>3</sup> )						
1	Over-exploited (existing industries only)	8	20	40	80	120

# Ground Water Charges

## Ground Water Abstraction Charges

### Infrastructure Projects & Other Industries

S.No.	Category of area	Quantum of ground water withdrawal (m <sup>3</sup> /day)			
		<200 m <sup>3</sup> /day	200 to <1000 m <sup>3</sup> /day	1000 to <5000 m <sup>3</sup> /day	5000 m <sup>3</sup> /day and above
		Rates of GW abstraction charges (Rs. per m <sup>3</sup> )			
1	Safe	1	2	3	5
2	Semi-critical	2	3	5	8
3	Critical	4	6	8	10

# Ground Water Charges

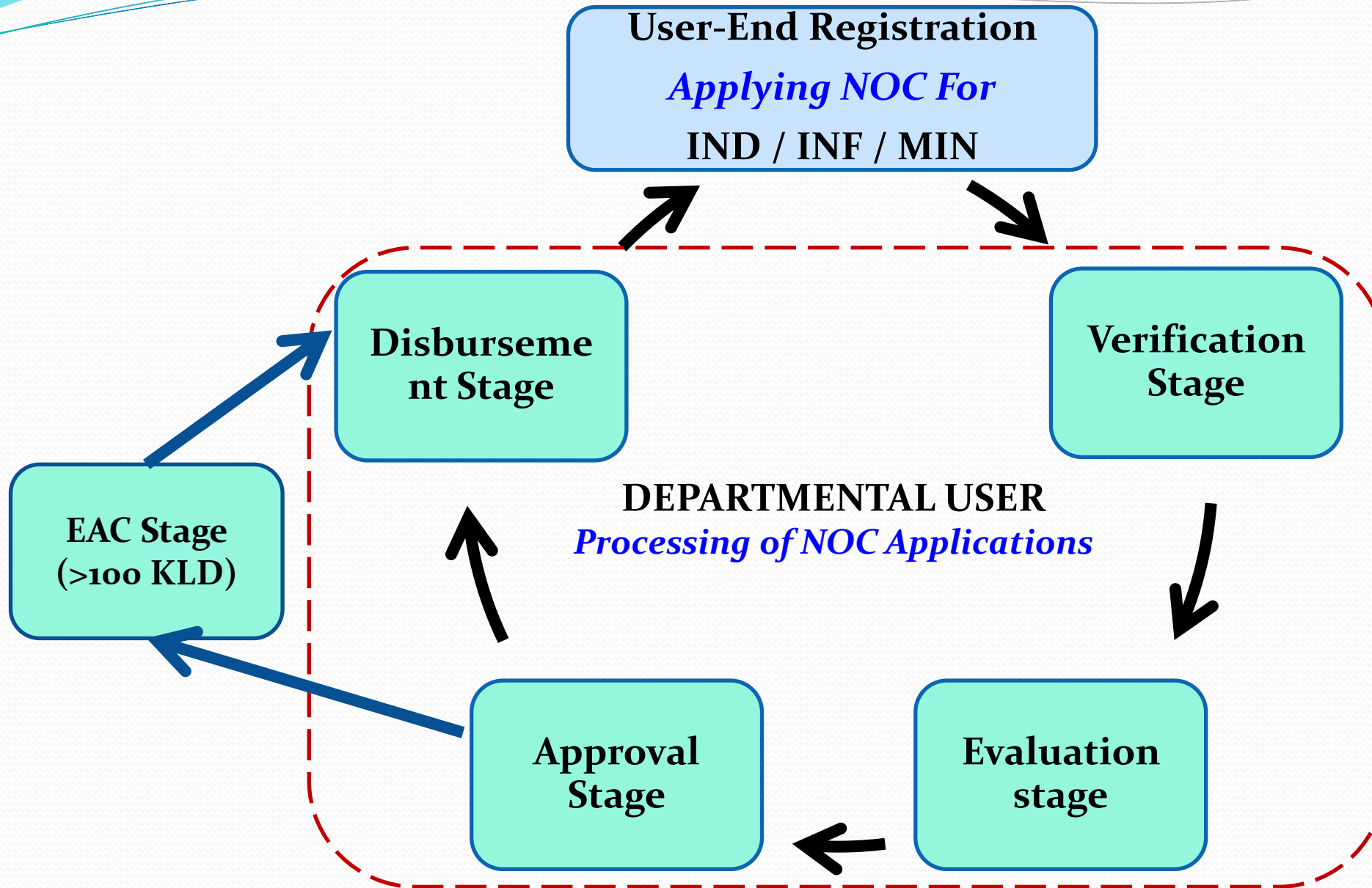
## Ground Water Restoration Charges

### Infrastructure Projects & Other Industries

S.No.	Category of area	Quantum of ground water withdrawal			
		<200 m <sup>3</sup> /day	200 to <1000 m <sup>3</sup> /day	1000 to <5000 m <sup>3</sup> /day	5000 m <sup>3</sup> /day and above
Rates of GW restoration charges (Rs. per m <sup>3</sup> )					
1	Over-exploited (existing industries/ new Industries as per the present Guidelines)	6	10	16	20



# MoJS Notified Guideline



# Restrictions & Permissions

## NOC for GW Abstraction – Restrictions and Permissions

### Industrial Use

- In Over-exploited Areas, NOC for Ground water abstraction shall not be granted for ground water abstraction to any New Industries other than MSME
- **Existing** industries/ infrastructure/ mining projects in OE areas to be continued.
- **Expansion** of existing industries involving increase in quantum of ground water abstraction in over-exploited assessment units **NOT** permitted.

# Restrictions & Permissions

## **NOC for GW Abstraction – Restrictions and Permissions**

- **No NOC to be granted to new packaged water industries in Over-exploited areas, even if they belong to MSME category.**
- **Injection of treated/ untreated waste water into aquifer system is strictly prohibited.**
- **Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.**

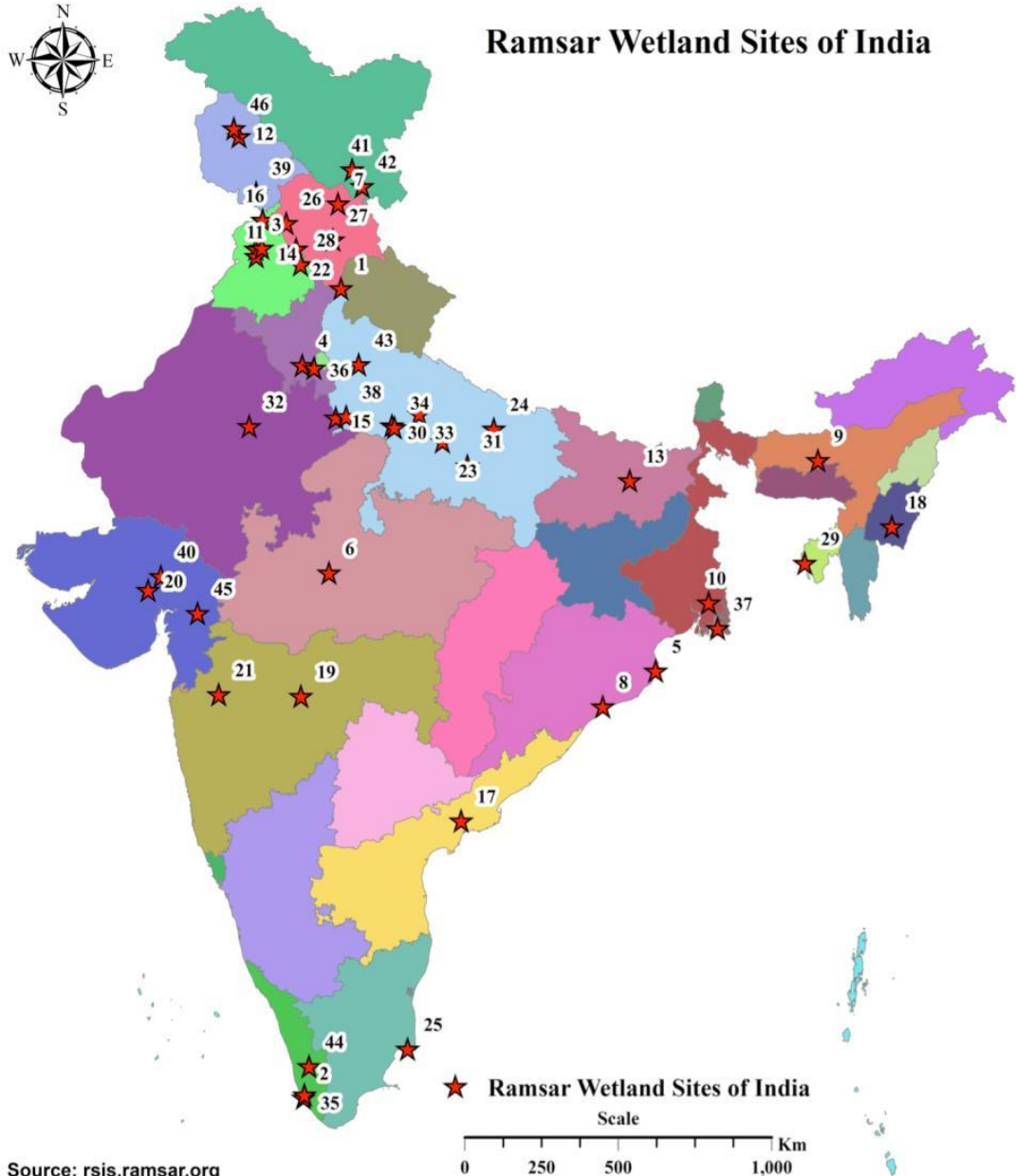
# Restrictions & Permissions

## **NOC for GW Abstraction – Restrictions and Permissions**

### **Saline GW (Separate Guidelines issued by CGWA 2021)**

- Industries using saline ground water to be encouraged.
- Such industries to be exempted from paying ground water abstraction/ restoration charges.
- All projects extracting saline groundwater in excess of 500 m<sup>3</sup>/d in complete saline assessment units and 100 m<sup>3</sup>/d in partial saline assessment units shall have to submit Impact Assessment Report along with groundwater modeling studies indicating saline - fresh water interface.

# Protection of Wet Land



S.No	Site Name	Designation Date	Area (Sq. Km)
1	Asan Conservation Reserve	21-07-2020	440.33
2	Ashtamudi Wetland	19-08-2002	374.87
3	Beas Conservation Reserve	26-09-2019	437.34
4	Bhindawas Wildlife Sanctuary	25-05-2021	443.41
5	Bhitarkanika Mangroves	19-08-2002	374.87
6	Bhoj Wetland	19-08-2002	374.87
7	Chandertal Wetland	08-11-2005	386.64
8	Chilika Lake	01-10-1981	298.6
9	Deepor Beel	19-08-2002	374.87
10	East Calcutta Wetlands	19-08-2002	374.87
11	Harike Lake	23-03-1990	329.55
12	Hokera Wetland	08-11-2005	386.64
13	Kabartal Wetland	21-07-2020	440.33
14	Kanjli	22-01-2002	372.78
15	Keoladeo National Park	01-10-1981	298.6
16	Keshopur-Miani Community Reserve	26-09-2019	437.34
17	Kolleru Lake	19-08-2002	374.87
18	Loktak Lake	23-03-1990	329.55
19	Lonar Lake	22-07-2020	440.34
20	Nalsarovar	24-09-2012	411.76
21	Nandur Madhameshwar	21-06-2019	436.37
22	Nangal Wildlife Sanctuary	26-09-2019	437.34
23	Nawabganj Bird Sanctuary	19-09-2019	437.27
24	Parvati Arga Bird Sanctuary	02-12-2019	438.01
25	Point Calimere Wildlife and Bird Sanctuary	19-08-2002	374.87
26	Pong Dam Lake	19-08-2002	374.87
27	Renuka Wetland	08-11-2005	386.64
28	Ropar	22-01-2002	372.78
29	Rudrasagar Lake	08-11-2005	386.64
30	Saman Bird Sanctuary	02-12-2019	438.01
31	Samsapur Bird Sanctuary	03-10-2019	437.41
32	Sambhar Lake	23-03-1990	329.55
33	Sandi Bird Sanctuary	26-09-2019	437.34
34	Sarsai Nawar Jheel	19-09-2019	437.27
35	Sasthamkotta Lake	19-08-2002	374.87
36	Sultanpur National Park	25-05-2021	443.41
37	Sundarban Wetland	30-01-2019	434.95
38	Sur Sarovar	21-08-2020	440.64
39	Surinsar-Mansar Lakes	08-11-2005	386.64
40	Thol Lake Wildlife Sanctuary	05-04-2021	442.91
41	Tso Kar Wetland Complex	17-11-2020	441.52
42	Tsomoriri	19-08-2002	374.87
43	Upper Ganga River	08-11-2005	386.64
44	Vembanad-Kol Wetland	19-08-2002	374.87
45	Wadhvana Wetland	05-04-2021	442.91
46	Wular Lake	23-03-1990	329.55

Project proponent to **obtain consent from Wet Land Authority** before seeking NOC from CGWA.

Projects located **within 500 meter** from the periphery of demarcated wetland areas to **mandatorily submit detailed study report** to ensure that ground water abstraction by the project proponent is not likely to have any adverse impact on the protected wetland areas.



# Monitoring Mechanism of NOC

- Online monitoring of GW extraction and water levels through installation of **digital flow meters with telemetry.**
- Designating **all technical officers of CGWB/ State Ground Water organization** as authorized officers for **periodic field inspection and monitoring of compliance.**

.

# **DELEGATION OF POWER AGAINST ILLEGAL WITHDRAWAL**

- **District Collectors/deputy Commissioners (DC)/District magistrates(DM)** are authorised to take enforcement measures like **sealing of unauthorised ground water abstraction structures, disconnection of electricity, launching of prosecution** against those violating the NOC conditions.
- Technical officers of CGWB/CGWA and State ground water Dept. are authorized to take actions with respect to monitoring and periodic inspection of NOC conditions.

# Environmental Compensation

- Environmental compensation (EC) for any illegal abstraction of ground water to be levied as per CPCB report.
- Categories for which EC shall be levied and corresponding rates specified.
- $EC_{GW} = \text{Ground water consumption per day} \times ECR_{GW} \times \text{No. Of days} \times \text{deterrence factor}$

# Environmental Compensation

## ECRgw for Packaged Drinking Water Units

S.No.	Area Category	Water Consumption (m <sup>3</sup> /day)			
		<200	200 to <1000	1000 to <5000	5000 & above
Environmental Compensation Rate (ECRGW) in Rs./m <sup>3</sup>					
1	Safe	12	18	24	30
2	Semi critical	24	36	48	60
3	Critical	36	48	66	90
4	Over- exploited	48	72	96	120

Note :-Minimum ECGW shall not be less than Rs 1,00,000/-

# Environmental Compensation

## ECR<sub>gw</sub> for Industrial Units

S.No.	Area Category	Water Consumption (m <sup>3</sup> /day)			
		<200	200 to <1000	1000 to <5000	5000 & above
		Environmental Compensation Rate (ECRGW) in Rs./m <sup>3</sup>			
1	Safe	20	30	40	50
2	Semi critical	40	60	80	100
3	Critical	60	80	110	150
4	Over- exploited	80	120	160	200

Note :-Minimum EC<sub>cw</sub> =Rs 1,00,000/-

# Environmental Compensation

## Deterrent Factors to compensate losses and environmental damage

- For packaged drinking water units, mining, industries and infrastructural dewatering projects

**Table: Deterrent factor based on quantum of ground water withdrawal and number of years of illegal withdrawal**

S.No.	Water Consumption	Deterrence Factor		
		< 2 years	2-5 years	>5 years
1	<1000 KLD	1.00	1.00	1.25
2	1000-5000 KLD	1.00	1.00	1.50
3	>5000 KLD	1.00	1.25	2.00



# Penalty Provisions

## **Penalty shall be imposed for non-compliance of NOC conditions-**

- Provision of penalty for each type of violation of NOC conditions
- Provision of charges for correction /modification in the existing issued NOC.
- Penalty for injection of contaminated water into the aquifer Rs. 10 lakh.

## **Processing Fee**

- Processing fee Rs. 10000/- for new NOC and Rs. 5000/- for renewal/ expansion of NOC

# Penalty Provisions

## Penalty for Non-Compliance of NOC conditions

S. No.	Condition of NOC	Penalty (Rs.)
1	Non Installation/Defunct Digital water Flow meter with telemetry	2,00,000
2	Non disclosure/ construction of additional groundwater abstraction structures a) Functional (per structure) b) Defunct/Abandoned (per structure)	2,00,000 1,00,000
3	Reporting of fresh water zones as Brackish / Saline zones in application	2,00,000
4	Non Installation of Piezometer	2,00,000
5	Non Installation /faulty DWLR/Telemetry	1,00,000
6	Non Construction /Inadequate Recharge Structure	5,00,000
7	Non maintenance of Recharge structure	2,00,000

# Penalty Provisions

## PENALTY FOR NON-COMPLIANCE OF NOC CONDITIONS

S. No.	Condition of NOC	Penalty (Rs.)
8	Injection of treated/untreated water into the aquifer system. Note: In addition to penalty, the proponent shall bear the cost of aquifer remediation as per the provisions of Environment (Protection) Act, 1986.	1000000
9	Non Submission of Water level/Water quality Data.	50000
10	Non-maintenance of log book of daily withdrawal/non submission of Groundwater abstraction data.	50000
11	Non submission of photograph of recharge structure(s).	50000
12	Non Submission of Self Compliance report.	100000
13	Construction of groundwater abstraction structures by un authorized/unregistered Drilling Rigs (per structures).	100000
14	Non registration of water supply tankers.	500000
15	Submission of false information/ undertaking.	100000

# Other Charges

## Proposed Charges for correction/Modification in the existing issued NOC

**Table: Proposed Charges for correction/Modification in the existing issued No Objection Certificate**

S. No.	Items	Charges in Rs.
1	Change in User ID.	5000
2	Change in firm Name	5000
3	Extension of No Objection Certificate	5000
4	Issuance of duplicate No Objection Certificate	5000
5	Issuance of corrigendum to No Objection Certificate	5000
6	Any other items/corrections etc	5000

# Validity period of NOC

## Validity period of NOC (Renewal)

Category	Use	Term of renewal
Critical, Semi-critical and Safe	Infrastructure projects for drinking & domestic use and Urban Water Supply Agencies	5 Years
	Industries	3 Years
	Mines	2 Years
Over-Exploited	All users in 'Over-exploited areas'	2 Years

# Renewal of NOC

- The applicant to **apply for renewal of NOC at least 90 days prior to expiry of its validity.**
- Application for renewal of NOC shall be accompanied by the **Compliance report.**
- Before granting renewal, Central Ground Water Authority or State/ UT Authority to satisfy itself that the **conditions of NOC have been complied with.**
- If the proponent fails to apply for renewal within 3 months from the date of expiry of NOC, the **proponent to pay Environmental Compensation** for the period starting from the date of expiry of NOC till NOC is renewed by the competent authority.



# Extension of NOC

- In case, Proponent unable to construct well during validity period of NOC for genuine reasons, he can apply for extension of NOC.
- Extension of NOC to be granted for a maximum period of two years.
- No further extension to be granted after the expiry of the extended period. In such case, the applicant to apply afresh for grant of NOC.

# General Compliance Conditions of NOC

- **Installation of digital water flow meter** (conforming to BIS/ IS standards) having telemetry system in the abstraction structure(s)
- **Calibration of digital flow meters** once in a year through authorized agency
- Roof top rainwater harvesting & recharge systems in the project area as per National Building bye-laws.
- Payment of applicable Ground Water Abstraction/ Restoration Charges
- **Monitoring of quality of ground water** from the abstraction structure(s) once in a year
- Wherever feasible, requirement of water for **greenbelt (horticulture)** shall be met from recycled / treated wastewater
- Construction of **purpose-built observation wells (piezometers)** for ground water level monitoring is mandatory

# Ground Water Level Monitoring

- **Piezometers to be constructed**
  - **In industrial clusters** (as designated or notified by Central/ State Government), Central Ground Water Board (**CGWB**) shall construct need-based piezometers as per local hydrogeological conditions and monitor water level.
  - **In non-cluster areas**, construction of observation well(s)/(piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in Section 14 shall be mandatory for industries/Infrastructure.

<b>S. No.</b>	<b>Quantum of Ground water withdrawal (cum/d)</b>	<b>No. of piezometer(s) (with DWLR and telemetry required)</b>
<b>1.</b>	0-100	0
<b>2.</b>	>100 (Hard rock aquifer type in non-cluster areas)	1
<b>3.</b>	>500 (Alluvium aquifer type in non-cluster areas)	1



- \* **new** 1. MOST URGENT All Project Proponents Mandatory to fill vendor details for telemetry data integration
- \* 2. In cases of Mine Dewatering, all project proponents have to consider rainfall quantum in ground water dewatering.
- \* 3. All applications upto 500KLD will be processed, in all respect including Internal EAC, from the respective Regional Offices of CGWB from 1st Oct 2023.
- \* 4. Notice for inviting applications for the 5th Round of Accreditation of Ground Water Professionals.

**VISITING HOURS: 11:00 AM to 12:00 PM (Working Days)**

Total Visitors: 3738742

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Last updated on : 15-Nov-2023

- Public Notice
- Latest Notifications
- General Instructions
- Format for affidavits
- User assistance

- Check Eligibility
- Online Application For NOC
- Track Your Application
- Departmental User
- Grievance
- Helpline Numbers

- Know Your Ground Water Charges
- Know Your Penalty
- Know Your Environmental Compensation
- How To Apply With Advance Charges
- How to update direct Bharat Kosh payment in NOCAP
- How To Deposit Charges/Penalty & EC
- How To Pay Revival Charge

**All Pending Renewal NOC List**



सत्यमेव जयते

Government of India  
 Ministry of Jal Shakti  
 Department of Water Resources, River Development and Ganga Rejuvenation  
 Central Ground Water Authority (CGWA)



Application for Issue of NOC to Abstract Ground Water (NOCAP)



Information

- Guidelines
- Steps for Filling Online Application

Documents Required

- Documents Required for Online Application
  - Industrial
  - Infrastructure
  - Mining

Track Status

- Application Status
  - Online

Location

Area Type

Know Your Ground Water Abstraction / Restoration Charges

**Application Information**

Application Type: *	--Select--
Application Purpose:	--Select--

**Location Detail**

State Name: *	--Select--	District Name: *	--Select--
Sub-District Name: *	--Select--		
Present Area Type Category:			

**Quantity Detail**

Quantity*	KLD (Kilo Liter/Day)	Quantity(cum/year):*	KLY(Kilo Liter/Year)
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Charge Description	Rate/KLD	One Year Charge	Charges for entire duration of NOC	Duration of NOC
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1909

**Save Water – Save Earth**



2004

**Thanks**





**कोई प्रश्न???**

**Any Queries ???**