

भारत सरकार
Government of India
जल शक्ति मंत्रालय, जल संसाधन, नदी विकास और गंगा संरक्षण विभाग
Ministry of Jal Shakti,
Department of Water Resources, River Development & Ganga
Rejuvenation



CENTRAL GROUND WATER AUTHORITY

MOJS Guidelines and (Relaxation of Charges)

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BACKGROUND – FORMATION OF CGWA

- ▶ On the directions of Hon'ble Supreme Court vide its order dated 10th December, 1996 passed in **Civil writ Petition No 4677 of 1985, MC Mehta Vs Union of India**, the **Central Government** had constituted the Central Ground Water Board as Authority vide notification number S.O. 38 (E), dated the 14th January, 1997 to exercise powers under sub section (3) of section 3 of the **Environment (Protection) act, 1986**.
- ▶ The objective of CGWA constitution is **regulation and control of Ground Water Management and Development**

BACKGROUND – FORMATION OF CGWA



We , therefore, order and direct as under:

“The Central Government In the, Ministry of Environment and Forest shall, constitute the **Central Ground Water Board as an Authority**, under section 3(3) of the EPA, 1986”.

The Authority so constituted shall exercise all the powers, under, the Act necessary for the purpose of regulation, and control of ground water management and development.

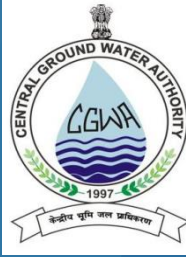
The Central Government in the Ministry of Environment & Forest shall issue the necessary notification under section 3(3) of the Act as directed by us before January 15, 1997.

- **Accordingly, MOEF issued notification dated 14.01.1997, for constituting CGWA**

ENVIRONMENTAL PROTECTION ACT-1986



- ▶ **"Environment" includes water, air and land and the inter- relationship which exists among and between water, air and land, and human beings, other living creatures, plants, micro-organism and property;**



SECTION-3 :POWER OF CENTRAL GOVERNMENT TO TAKE MEASURES TO PROTECT AND IMPROVE ENVIRONMENT

- ▶ protecting and improving the quality of the environment and preventing controlling and abating environmental pollution.

SECTION-4 APPOINTMENT OF OFFICERS

- ▶ Without prejudice to the provisions of sub-section (3) of section 3, **the Central Government may appoint officers with such designation as it thinks fit for the purposes of this Act and may entrust to them such of the powers and functions under this Act as it may deem fit.**



SECTION-5. POWER TO GIVE DIRECTIONS

District Magistrate/District Collector/SDM have been delegated the power-

- (a) To seal illegal Wells**
- (b) Disconnection of Electricity Supply**
- (c) Prosecution against offenders**

BRIEF HISTORY OF CGWA



For the purpose of Regulation and Control of GW Development and Management in the country

1997
14.01.1997
Constituted under EPA-1986 for 1 year

1998
13.01.1998
CGWA for 5 Years
1999
Six member

2000
16.11.2000
Period of CGWA was deleted, making it a permanent body+ 10 Members + Special invitees

2010
13.05.2010
Composition changed 15 member

2012
Guidelines
1. NOC without Validity

2015
Guidelines
1. Prior to 2015, areas falling in Safe category did not require NOC from CGWA.
2. NOCAP portal started 01.04.2015

2020
24-9-2020
Guidelines
1. Started GW abstraction/restoration charges.
2. Provision of Penalties & EC

2021
Guidelines for SALINE Ground water abstraction

2023
29-03-2023
Amendments
1. Relaxation in exemption, charges & doc
2. [Applications upto 500KLD transferred to Regional offices]

COMPOSITION OF CGWA

(SO. 1121 (E)/ 13.05.2010)



1.	Chairman, CGWB	Chairman CGWA
2.	Member (SAM), CGWB	Member
3.	Member (ED&MIM), CGWB	Member
4.	Member (TT&WQ), CGWB	Member
5.	Joint Secretary (A), MOWR, RD & GR	Member
6.	Joint Secretary & FA, MOWR, RD & GR	Member
7.	Joint Secretary, MOEF	Member
8.	Chief Engineer, IMO, Central Water Commission	Member
9.	GGM-Head, KM, ONGC, Dehradun	Member
10.	Joint Secretary & LC, Legislative Department, MoLJ	Member
11.	Joint Secretary & LA, Department of Legal Affairs, MoLJ	Member
12.	Joint Secretary/Advisor, CPH&EEO MoUD	Member
13.	Joint Secretary (Water), DDWS, MoRD	Member
14.	Joint Secretary, NCW	Member
15.	Member (SML), CGWB	Member-Secretary

Although CGWA is made up of 15-Member Board, its functioning is limited due to lack of adequate enforcement work force strength.

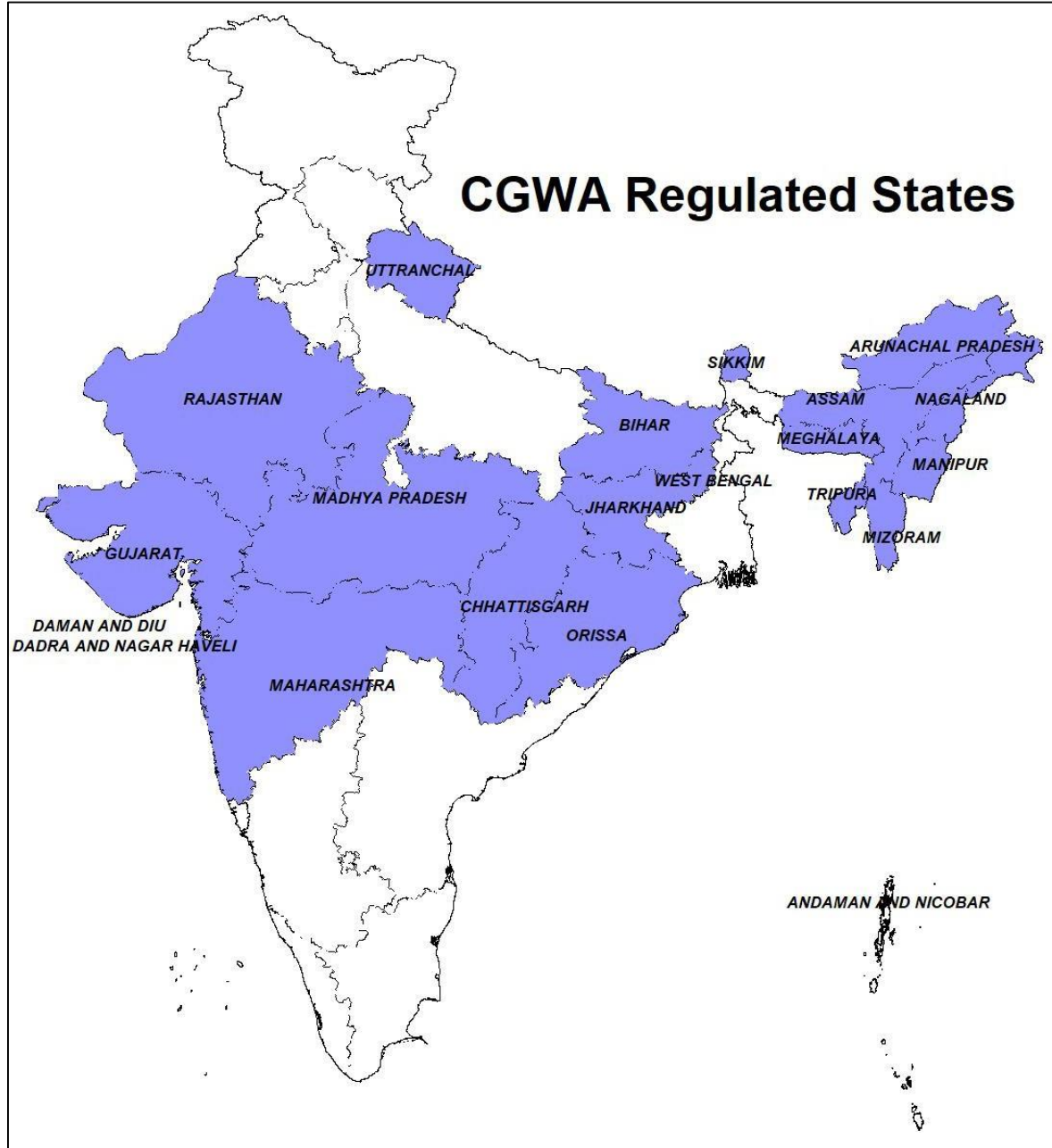
POWERS & FUNCTIONS

- To **Regulate and Control, Management and Development of Ground Water in the country** and to issue necessary regulatory directions (SO. 1024 (E)/ 06.11.2000)
- Exercise of powers under **section 4** of the Environment (Protection) Act, 1986 for the **appointment of officers** (SO. 1024 (E)/ 06.11.2000)
- Exercise of **powers** under **section 5** of the Environment (Protection) Act, 1986 for **issuing directions** and taking such measures in respect of all the matters referred to in sub-section (2) of section 3 of the said Act (SO. 38 (E)/ 14.01.1997)
- To resort to **penal provisions** contained in **sections 15 to 17** of the said Act (SO. 38 (E)/ 14.01.1997)

CGWA REGULATED STATES/UTS



CGWA Regulated States



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**

MOJS NOTIFIED GUIDELINES




भारत का राजपत्र
The Gazette of India

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सामान्य
EXTRAORDINARY

भाग II—खण्ड 3—उप-खण्ड (ii)
PART II—Section 3—Sub-section (ii)

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PUBLISHED BY AUTHORITY

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जल संसाधन, नदी विकास और मत्स्य संरक्षण विभाग

(केंद्रीय जल प्राधिकरण)

शत्रुघ्न

नई दिल्ली, 24 सितम्बर, 2020

सा.सा. 3289(अ).—जबकि, 1985 की विहित रिट प्राधिकार 4677, एम.सी. नेहरू कानून मण्डल संघ में पारित दिनांक 10 दिसंबर, 1986 के मानवीय उद्देश्य अध्याचार्य के आदेश के माध्यम से दूधने दिशा-निर्देशों पर केंद्र सरकार ने जूमि जल प्रबंधन और विकास के विभिन्नतर और निबंधन के उद्देश्यों से और कृषिगत शक्तियों का प्रयोग करने और उसके संबंधित कृषिगत कार्यों को करने के लिए पर्यावरण (संरक्षण) अधिनियम, 1986 (1986 का 29) की धारा 5 के अंतर्गत शक्तियों का प्रयोग करने के लिए दिनांक 14 जनवरी, 1997 की अधिसूचना सं.सा.सा. 38(अ) के माध्यम से केंद्रीय जूमि जल प्राधिकरण (दूधने बाद इसे "प्राधिकरण" के रूप में कहा गया है) गठित किया है।

और जबकि प्राधिकरण उद्योगों, शक्या आउटसोर्स परिचालनशील शक्या उद्योग परिचालनशील इत्यादि के लिए जूमल निष्कर्षण के लिए "अनुमति प्रमाणपत्र" जारी करने जूमल विकास और प्रबंधन को विभिन्नतर करता रहा है और बादत धरणों और दो संबंधित संघ गठित करने में, जहां पर जूमल विकास संबंधित धरण सरकारों तथा संघ गठित प्रशासकों द्वारा विभिन्नतर नहीं किया जा रहा है, शक्या-शक्या पर दूध संबंध में दूधने दिशा-निर्देश तैयार करने में।

और जबकि, कुछ धरण सरकारों शक्या, संघ गठित करने में विकास अधिनियमित किए हैं और जूमल विकास और प्रबंधन को विभिन्नतर करनेकेलिए विभिन्नतर दिशा-निर्देश शक्या आदेश जारी किए हैं।

और जबकि, मानवीय राष्ट्रीय सुरित अधिनियम, नई दिल्ली में 2014 की सी.ए. सं. 204/205/206 में दिनांक 15 अगस्त 2015 के आदेश के माध्यम से प्राधिकरण को निर्देश जारी किए हैं कि वह सुनिश्चित करें कि ऐसे किसी भी व्यक्ति को जूमल निष्कर्षण के लिए अनुमति, शक्या कोई शक्या आउटसोर्स गठित कर रहा है, को प्राधिकरण से अनुमति प्राप्त करने की

- ▶ For the purpose of regulation and issuing NOC, CGWA issued guidelines in **2012, 2015**
- ▶ 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**.

GROUND WATER REGULATION BY CGWA



- Present guidelines were notified on **24.09.2020** and amendments thereof on **29.03.2023**.
- The guidelines have provision for penalties on non-compliances/ violations and Environmental Compensation (**EC**) against illegal groundwater extraction (i.e., without valid NOC).
- Due to Covid situation, the last date for submission for the purpose of imposing EC was extended till **30.09.2022** (first to 30.06.2021, then to 31.03.2022 and then to 30.09.2022).
- However, penalty for late submission remained applicable from 24/09/2020.



GROUND WATER REGULATION BY CGWA

- ▶ 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.
- ▶ Framed guidelines in this connection from time to time applicable in **19 States and Union territories**, where ground water development is not being regulated by the State Government and Union territory administration concerned.
- ▶ To have **sustainable management of ground water resources in the country** groundwater abstraction guidelines have been prepared to regulate groundwater extraction and conserve the scarce groundwater resources in the country.

GROUND WATER REGULATION BY CGWA



- ▶ These guidelines will come into force with immediate effect from the date of Gazette Notification and will supersede all earlier guidelines issued by the Central Ground Water Authority (CGWA).
- ▶ These guidelines will have pan India applicability.
- ▶ Ground water abstraction in States/ Uts (which are not regulating ground water abstraction) shall continue to be regulated by Central Ground Water Authority.

EXEMPTED FROM SEEKING NOC

EASE OF LIVING

1. Agricultural activities.
2. Individual domestic consumers in both rural and urban areas for drinking water and domestic uses.
3. Rural drinking water supply schemes.
4. Armed Forces Establishments and Central Armed Police Forces establishments in both rural and urban areas.
5. Residential Societies (Amendment):
 - (a) extracting GW up to 20 KLD for Drinking/ Domestic purpose; a
 - b) 20 KLD dwelling units for EWS under Govt. Scheme

EXEMPTED FROM SEEKING NOC

EASE OF DOING BUSINESS

1. Micro and Small Enterprises drawing ground water less than 10 KLD.
2. Units extracting GW only for Drinking/ Domestic purposes up to 5 KLD (Amendment)

SALIENT FEATURES OF MOJS NOTIFIED GUIDELINES

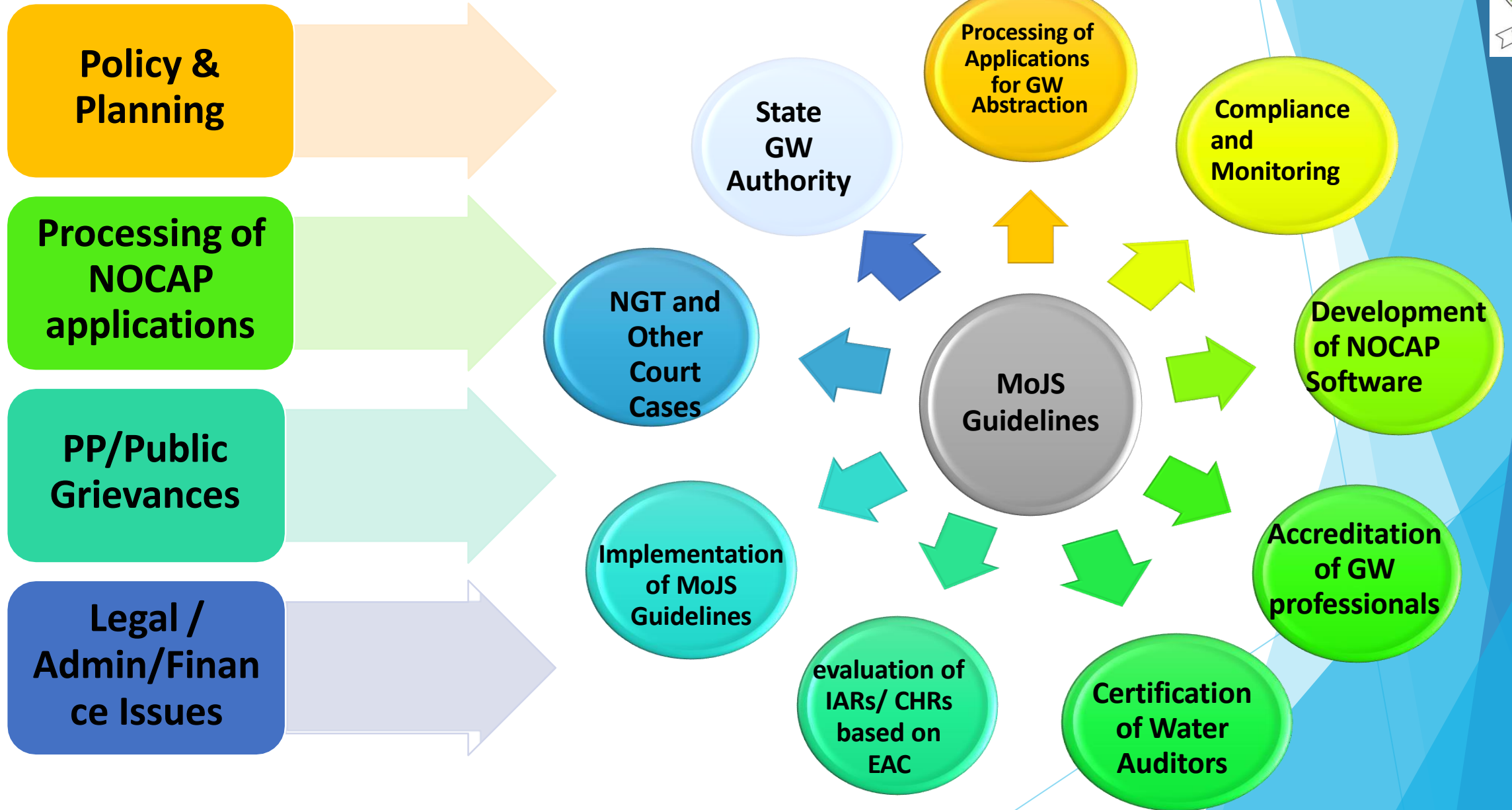
- Project Proponents have to pay Ground Water **Abstraction** Charges in Critical, Semi-critical and Safe assessment units.
- Project Proponents have to pay Ground Water **Restoration** Charges in OE assessment units
- Rates of Abstraction and Restoration charges vary as per
 - **Quantum slab**
 - **Category of block**
 - **Type of project**
- Rates are higher for Packaged Drinking Water (**PDW**) and very low for group housing societies.
- **No charges** are to be paid by users drawing **SALINE** ground water.
- Environmental Compensations (EC) charges for illegal/ unauthorised extraction of groundwater for **commercial purpose**.
- **Penalty** provisions for non-compliance of NOC conditions.

SALIENT FEATURES OF MOJS NOTIFIED GUIDELINES



- Installation of Sewage Treatment Plants (**STP**) is mandatory for all new residential apartments/ Group Housing Societies where ground water requirement is **more than 20 KLD**.
- STP treated water is to be used by such users for flushing, green belt etc.
- All users seeking NOC are required to install tamper proof **FLOW METERS** along with **TELEMETRY** on all the ground water abstraction structures. Flow meters are to be calibrated annually.
- Industries drawing **>100 KLD** of ground water in OCS are required to submit **impact assessment reports (IAR)** along with the application and water audit report.

DETAILED ACTIVITIES OF CGWA



NOC ISSUED BY CGWA & CONDITIONS IMPOSED FOR COMPLIANCES



भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	M/s Bhandara Zilla Dugdh Utpadak Sahakari Sangh Maryadit Bhandara		
Project Address:	M/s Bhandara Zilla Dugdh Utpadak Sahakari Sangh Maryadit Bhandara, Sainath Nagar, Nagpur Road, Bhandara, Maharashtra		
Village:	Dabha	Block:	Bhandara
District:	Bhandara	State:	Maharashtra
Pin Code:	441904		
Communication Address:	M/s Bhandara Zilla Dugdh Utpadak Sahakari Sangh Maryadit Bhandara, Sainath Nagar, Nagpur Road, Bhandara, Maharashtra - 441904		
Address of CGWB Regional Office :	Central Ground Water Board Central Region, N.S. Building, Civil Lines, Nagpur, Maharashtra - 440001		

1. NOC No.:	CGWA/NOC/IND/ORIG/2020/8233									
2. Application No.:	21-4/1103/MH/IND/2017	3. Category:	Industry							
4. Project Status:	Existing Project	5. NOC Type:	New							
6. Valid from:	25/06/2020	7. Valid up to:	24/06/2022							
8. Ground Water Abstraction Permitted:										
Fresh Water		Saline Water		Dewatering		Total				
m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year			
43.40	15841.00			43.40		43.40	15841.00			
9. Details of ground water abstraction /Dewatering structures										
Total Existing No.:1					Total Proposed No.:0					
Abstraction Structure*	DW	DCB	BW	TW	MP	DW	DCB	BW	TW	MP
	0	0	1	0	0	0	0	0	0	0
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit										
10. Quantum of ground water recharge/harvesting(m ³ /year):	8180.00									
11. Number of Piezometers (Observation wells) to be constructed/ monitored & Monitoring mechanism.	No. of Piezometers		Monitoring Mechanism							
			Manual		DWLR**		DWLR With Telemetry			
**DWLR - Digital Water Level Recorder	1		1		0		0			

(Compliance Conditions given overleaf)

Digitally signed by
NANDAKUMARAN P
Date: 2020.07.03 14:05:42 +05'30'
सदस्य (केन्द्रीय भूमि जल प्राधिकरण)
Member (CGWA)

Validity of this NOC shall be subject to compliance of the following mandatory conditions:

1. No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
2. The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
3. All new as well as existing ground water abstraction/ de-watering structures shall be fitted with digital water flow meters by the firm at its own cost immediately on completion of their construction or grant of NOC as the case may be. In case of renewal of NOCs, all existing ground water abstraction structures shall continue to be fitted with digital water flow meters. Intimation of installation of flow meters shall be sent by the proponent to the Regional Director of CGWB within 6 months of grant of NOC. Daily ground water abstraction data shall be monitored / continue to be monitored (in case of renewal) by the firm and recorded in a log book. Details of month-wise ground water abstraction shall be submitted to the Regional Director, CGWB, once every year.
4. In case the ground water abstraction is more than 10 m³/day, monthly water level monitoring data shall be maintained and submitted annually to the Regional Office of CGWB. Wherever groundwater withdrawal is more than 500 m³/day, the firm shall install telemetry system in one of the piezometers and share USER ID and password of the telemetry system with the Regional Director, CGWB.
5. In case ground water abstraction is more than 10 m³/day, ground water quality shall be monitored once in a year (during pre- monsoon period) and the report submitted to the Regional Office, CGWB. Wherever the extraction is less than 10 m³/day, ground water quality report shall be submitted by the proponent at the time of submission of self-compliance report.
6. Ground water augmentation/harvesting measures, as stipulated in the NOC, shall be implemented (in new cases) / continue to be maintained (in case of renewal) in consultation with the concerned Regional Director, CGWB.
7. Proof of recharge/water harvesting structures constructed (photographs of structures) shall be submitted to the concerned Regional Director, CGWB within 6 months from the date of issue of NOC. The firm shall also undertake periodic maintenance of recharge/water harvesting structures at its own cost.
8. The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
9. In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
10. The firm shall optimize water use through recycling/ reuse of waste water after proper treatment.
11. Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
12. In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
13. Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
14. The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.
15. This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.
16. This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
17. The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
18. This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
19. Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment(Protection)Act,1986.
20. **In case of any violation of NOC conditions or illegal extraction of Ground water the firm shall be liable to pay "Environmental Compensation"/ "Penalty", if any under Sec 15 of EPA 1986 as and when decided by statutory authorities.**

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

DOCUMENTS REQUIRED(INDUSTRY)

Sl. No.	Documents	Quantum <10 KLD	Quantum 10 to 100 KLD	Quantum >100 KLD
Fresh(Industry)				
1	Affidavit of Non/partial availability of water from Local water supply agencies	Yes	Yes	Yes
2	IAR with Ground water Modelling from Accredited Consultant	No	No	Yes>100KLD –IAR >500KLD- Modelling(HR) >2000KLD(SR))
3	For all new projects document as a proof of new project (CTO/CTE/MOEF).	Yes	Yes	Yes
4	Certificate from Wetland Authority(Within 500m Periphery) else Notarised Affidavit			
Renewal (Industry)				
1	Site Inspection/ Self-Inspection report (pl refer NOCAP portal, www.cgwa-noc.gov.in) and compliance report	Yes	Yes	Yes
2	IAR with Ground water Modelling from Accredited Consultant	No	No	Yes>100KLD –IAR >500KLD-Modelling(HR) >2000KLD(SR))
3	Affidavit of Non/partial availability of water from Local water supply agencies	Yes	Yes	Yes
4	Water Audit Report by Certified Auditors(>100 KLD)	No	No	Yes

DOCUMENTS REQUIRED(MINING)

Sl. No.	Documents	Quantum <10 KLD	Quantum 10 to 100 KLD	Quantum >100 KLD
Fresh (Mining)				
1	Approved Mine Plan as per approving authority	Yes	Yes	Yes
2	Comprehensive hydrogeological report/ Modelling Study including year wise, bench wise Dewatering Impact Assessment on groundwater conditions in core and buffer zones of the mine by Accredited Consultants	No	No	Yes >100 –CHR >500-Modelling
3	For all new projects document as a proof of new project (CTO/CTE/MOEF).	Yes	Yes	Yes
Renewal (Mining)				
1	Site Inspection/ Self-Inspection report (pl refer NOCAP portal, www.cgwa-noc.gov.in) and compliance report	Yes	Yes	Yes
2	Comprehensive hydrogeological report/ Modelling Report including year wise, bench wise Dewatering Impact Assessment on groundwater conditions in core and buffer zones of the mine by Accredited Consultants	No	No	Yes >100 –CHR >500-Modelling
3	Water quality report of mine dewatering and existing tubewells/Borewells through NABL /Govt approved lab in case of saline	Yes	Yes	Yes

NOCAP PORTAL PROCESSING

User-End Registration

Applying NOC For

IND / INF / MIN

Disbursement
Stage

Verification
Stage
(Charges/
Documents)

DEPARTMENTAL USER

*Processing of NOC
Applications*

EAC
Stage
(>100
KLD)

Approval
Stage

Evaluation
stage
(Technical)

@ **Verification Stage**

Mandatory Documents, 1Y adv
Charges

@**Evaluation Stage**

Technical Scrutiny, Setting GW
Abstraction Charges, Arrear, EC,
Penalty

@**Approval Stage**

Approval of Application if Doc &
payment received, forwarded to
EAC, if applicable

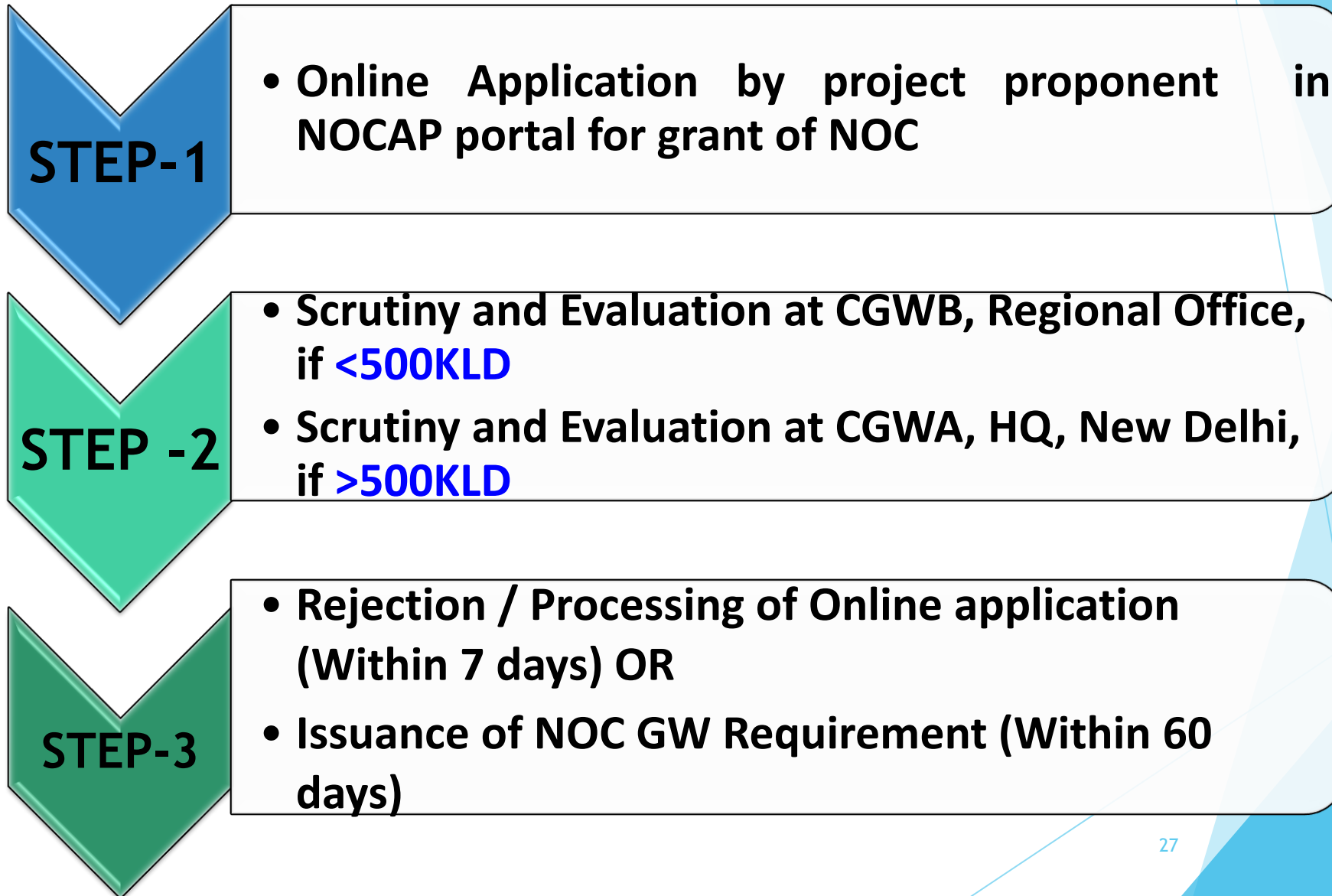
@**EAC Stage**

Expert Appraisal Committee to
approve on Technical ground

@**Disbursement Stage**

Final quantum & Payment
verification & NOC issuance.

WORKFLOW FOR ISSUE OF NOC



Ground Water Charges

- ▶ Drinking & Domestic use for residential apartments/ Group Housing Societies/ Government water supply agencies in Urban area.

Quantum of Groundwater withdrawal (m ³ /day)	Rate of ground water abstraction charges (Rs. per m ³)
0-25	No Charge
> 25- < 200	1.00
200 and above	2.00

Government water supply agencies/Government infrastructure projects : Rs. 0.50 per m³

Rates of Ground Water Abstraction Charges

Packaged Drinking Water units

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

Ground Water Abstraction Charges

Other Industries & Infrastructure Projects

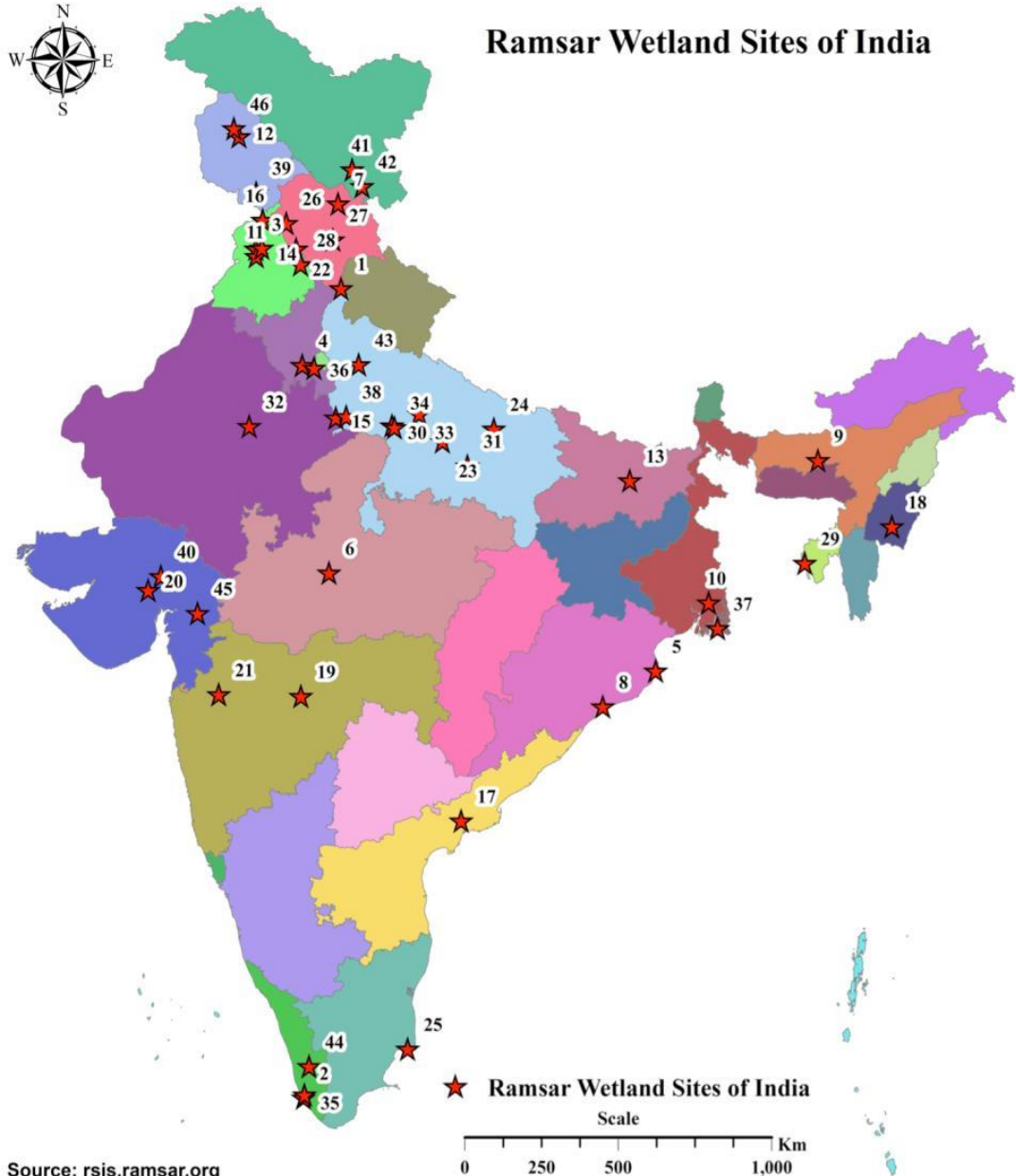
S.No.	Category of area	Quantum of ground water withdrawal (m ³ /day)			
		<200 m ³ /day	200 to <1000 m ³ /day	1000 to <5000 m ³ /day	5000 m ³ /day and above
		Rates of GW abstraction charges (Rs. per m ³)			
1	Safe	1	2	3	5
2	Semi-critical	2	3	5	8
3	Critical	4	6	8	10

Ground Water Restoration Charges

Other Industries & Infrastructure Projects

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

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	Samaspur 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	Sasthankotta 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.

DETAILED GUIDELINES FOR ABSTRACTION OF SALINE GROUND WATER

- Water having above EC above 5000 m siemens/cm at 25°C is saline water.
- Any user desirous of utilizing saline groundwater is permitted to extract saline ground water and will be exempted from payment of ground water abstraction / restoration charges.
- However, all such users need to have proper effluent water disposal plan to avoid degrading of environment/ surroundings.
- Further, NOC shall not be granted to new major industries in over-exploited assessment units.

SPECIFIC CONDITIONS FOR GRANT OF NO OBJECTION CERTIFICATE (NOC) FOR SALINE GROUND WATER EXTRACTION

COMPLETELY SALINE ASSESSMENT UNITS

S. NO	CONDITION
1.	Piezometer shall be constructed and regular monitoring of piezometric level shall be undertaken
2.	All the users shall ensure real time monitoring of groundwater quality especially electrical conductivity
3.	All the users' need to adopt rain water harvesting as per prevailing building bye laws of state/UTs within the premises

PARTIALLY SALINE ASSESSMENT UNITS

In areas where saline water occurs in lenses or fresh, overlies/underlies saline water zones, NOC shall be granted subject to following conditions

1. The saline water withdrawal shall avoid up coming of saline water into fresh water, mixing or sea water ingress towards land
2. Piezometer shall be constructed and regular monitoring of piezometric level shall be undertaken
3. All the users shall ensure real time monitoring of groundwater quality especially electrical conductivity
4. All the users' need to adopt rain water harvesting as per prevailing building bye laws of state/UTs within the premises
5. In case well starts yielding fresh water instead of saline water, project proponent shall immediately inform the Regional Office, CGWB. The project proponent shall have to pay groundwater abstraction /restoration charges as per the guidelines notified vide S.O. 3289 dated 24.09.2020.

DOCUMENT TO BE SUBMITTED WITH THE APPLICATION

S.N	DOCUMENT
1.	An affidavit on non judicial stamp paper of Rs. 10/- regarding saline groundwater extraction and its source (as per the pro-forma available on NOCAP portal).
2.	Ground water quality data of existing well from any NABL accredited laboratory or Govt. approved laboratory.
3.	All projects extracting saline groundwater in excess of 500 m ³ /d in complete saline assessment units and 100 m ³ /d partial saline assessment units shall have to submit Impact Assessment Report along with groundwater modeling studies indicating saline - fresh water interface (in case of saline water aquifer overlies/underlies fresh water aquifers), impact of saline ground water abstraction on the ground water regime or impact of saline water pumping on saline water ingress in coastal areas .
4.	Oil and mining companies to submit approved plan by the concerned Govt. agency/department in case of abstraction/dewatering or injection.

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.
- **$EC_{GW} = \text{Ground water consumption per day} \times \text{Environmental compensation rate} \times \text{No. of days} \times \text{Deterrence factor}$**
- Where Ground water consumption in m^3/day and ECR_{GW} in Rs/Cum.

Environmental Compensation

ECRgw for Industrial Units

S.No.	Area Category	Water Consumption (m ³ /day)			
		<200	200 to <1000	1000 to <5000	5000 & above
		Environmental Compensation Rate (ECRGW) in Rs./m ³			
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 ECcw =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 on the projects for non-Compliance of NOC conditions issued by the appropriate Authority.

Penalty Provisions

Table-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)	2,00,000
	b) Defunct/Abandoned (per structure)	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

Renewal of NOC

- The applicant to apply for renewal of NOC at least 90 days prior to expiry of its validity.
- 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

- Extension of NOC to be granted for a maximum period of two years with reasons and supporting documents.
- 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.

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

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.

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

Time limit for Compliance

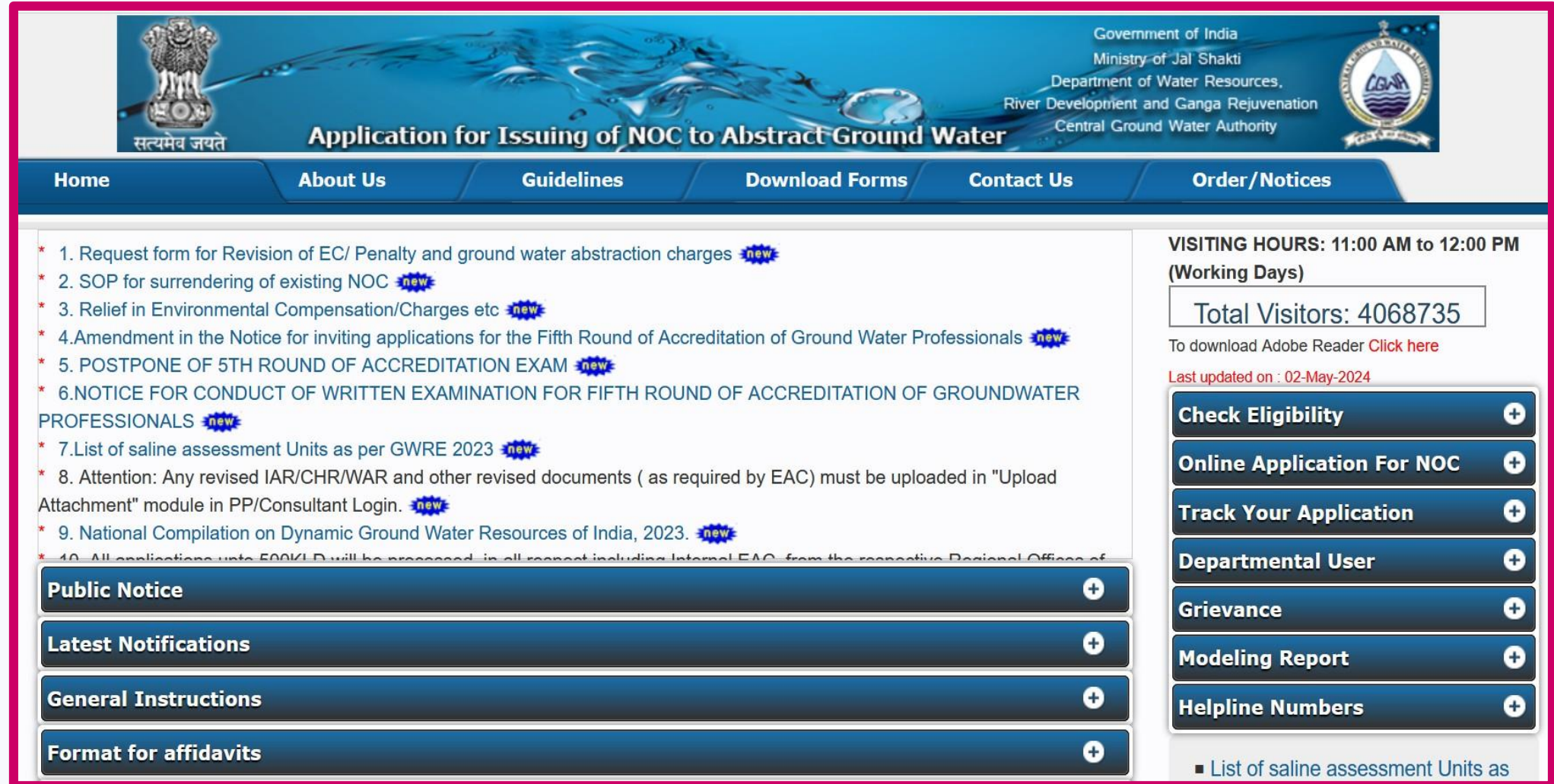
- Digital flow meter with telemetry for all users seeking/ have sought NOC for ground water abstraction irrespective of quantum of ground water withdrawal – **within 30 days.**
- Construction of piezometer and installation of AWLR with telemetry – **90 days**

NOCAP PORTAL

<https://cgwa-noc.gov.in/LandingPage/index.htm>

The MoWR, RD & GR, New Delhi has launched the portal on **01.04.2015** developed by the NIC, New Delhi.

The Home Page



The screenshot displays the home page of the NOCAP Portal. At the top, there is a banner with the Government of India emblem on the left, the text "Application for Issuing of NOC to Abstract Ground Water" in the center, and the CGWA logo on the right. Below the banner is a navigation menu with links for Home, About Us, Guidelines, Download Forms, Contact Us, and Order/Notices. The main content area features a list of 10 items, each with a "new" tag, detailing various notices and updates. On the right side, there is a section for visiting hours (11:00 AM to 12:00 PM) and a visitor count of 4068735. Below this, there are several buttons for user actions: Check Eligibility, Online Application For NOC, Track Your Application, Departmental User, Grievance, Modeling Report, and Helpline Numbers. At the bottom right, there is a link to a list of saline assessment units.

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

Application for Issuing of NOC to Abstract Ground Water

Home About Us Guidelines Download Forms Contact Us Order/Notices

- * 1. Request form for Revision of EC/ Penalty and ground water abstraction charges **new**
- * 2. SOP for surrendering of existing NOC **new**
- * 3. Relief in Environmental Compensation/Charges etc **new**
- * 4. Amendment in the Notice for inviting applications for the Fifth Round of Accreditation of Ground Water Professionals **new**
- * 5. POSTPONE OF 5TH ROUND OF ACCREDITATION EXAM **new**
- * 6. NOTICE FOR CONDUCT OF WRITTEN EXAMINATION FOR FIFTH ROUND OF ACCREDITATION OF GROUNDWATER PROFESSIONALS **new**
- * 7. List of saline assessment Units as per GWRE 2023 **new**
- * 8. Attention: Any revised IAR/CHR/WAR and other revised documents (as required by EAC) must be uploaded in "Upload Attachment" module in PP/Consultant Login. **new**
- * 9. National Compilation on Dynamic Ground Water Resources of India, 2023. **new**
- * 10. All applications upto 500KLD will be processed, in all respect including Internal EAC, from the respective Regional Office of

Public Notice +

Latest Notifications +

General Instructions +

Format for affidavits +

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

Total Visitors: 4068735

To download Adobe Reader [Click here](#)

Last updated on : 02-May-2024

Check Eligibility +

Online Application For NOC +

Track Your Application +

Departmental User +

Grievance +

Modeling Report +

Helpline Numbers +

List of saline assessment Units as

NOC APPLICATIONS CATEGORIES

Applications can be submitted for

Existing / New /Renewal/ Expansion Projects



INDUSTRY/ PDW



**DRINKING & DOMESTIC
(GROUP HOUSING/
APARTMENTS)**



MINING



**BULK SUPPLIER/
TANKERS**



INFRASTRUCTURE



**GOVT. WATER SUPPLY
AGENCY (URBAN)**

NOCAP INTERFACE



APPLICANT USER

- For Applying for NOC/
New/Renewal/
Expansion/
Modification



DEPARTMENTAL USER

- For Processing of NOC
Applications/ Issuance of
NOC

Thank You

केन्द्रीय भूमि जल प्राधिकरण
Central Ground Water Authority

Email : cgwa@nic.in Portal: <https://cgwa-noc.gov.in>

Website: <http://cgwb.gov.in/>



GROUNDWATER ABSTRACTION (RELAXATION IN CHARGES) SCHEME

IMPOSITION OF HEFTY ENVIRONMENTAL COMPENSATION ON PROJECT TO BE REVIEWED

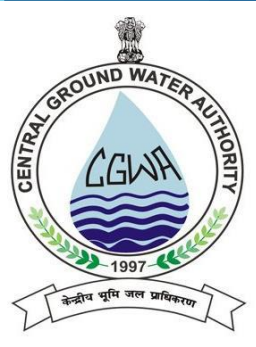


Encourage the idea of “Ease of doing business”

Encourage more and more proponent to come forward to obtain NOC

Environmental concern related to Over-exploitation

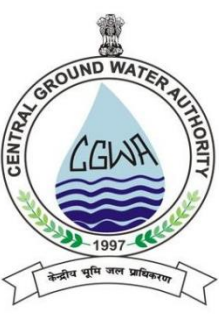
Relaxation of imposition of EC for specific time period may encourage more and more project to come under the ambit of CGWA



Scheme Content

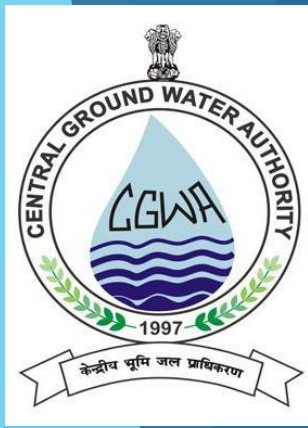
1. Relief in Environmental Compensation for MSME Projects
2. Relief in Environmental Compensation to projects towards Saline Groundwater Extraction
3. Relief in Charges for Change in Log-in ID for Logging into NOCAP Portal/ Any other Item/ Correction

Relief for Existing MSME Projects(PART-A)



- ❖ **Relief in Environmental Compensation for Existing Projects(MSME) without Proper NOC on Late/ Delayed Submission of Application (Fresh/ Renewal).**
- ❖ **Eligibility: Existing MSME projects** extracting groundwater **up to 100 KLD** are eligible for relief under the scheme, including those whose previous applications were rejected.
- **Applicable Period:** The scheme is applicable only to projects existing prior to the announcement of the scheme and will remain in force for **one year from the date of announcement(12/03/2024).**
- **Relief Slabs:** Relief from Environmental Compensation (EC) will be provided in **4 slabs** based on the timing of the NOC application submission after the announcement of the scheme.

Relief for Existing MSME Projects(PART-A)



- **Beneficiaries:**
 - **MSMEs extracting groundwater up to 100 KLD including those applications that were rejected.**
- **Fresh, as well as renewal applications shall be covered.**
- **Scheme is applicable only to the projects existing prior to announcement of scheme.**
- **Projects commencing after the announcement of scheme, but applying late for NOC not under the ambit of scheme.**

The Proposed Scheme – Part A

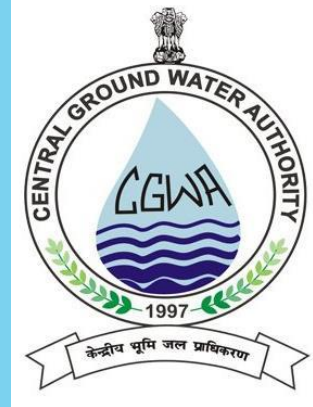


- **Relaxation** from EC will be provided in **4 slabs based on how early the NOC application** is filed after the announcement.
- PPs interested in availing the benefit of the Scheme, shall file their application for NOC on the NOCAP portal of CGWA with all necessary documents and details as required in regular course.
- **Relief from EC:**
 - (a) **80% relief:** if applications submitted within 3 months (falling within 1st trimester – **till 11.06.2024**) from the date of announcement scheme.
 - If normal EC is calculated as Rs 1 Lakh, relief will be to the tune of 80% in EC and the amount of EC to be paid will be Rs 20,000/- only.
 - (b) **60% relief:** applications submitted after 3 months but within 6 months (**12.06.2024-11.09.2024**)
 - (c) **40% relief:** applications submitted after 6 months but within 9 months (**12.09.2024-11.12.2024**)
 - (d) **20% relief:** applications submitted after 9 months but within 12 months (**12.12.2024-11.03.2025**)



Relief for Existing MSME Projects

- ❖ Applications of eligible beneficiary category, i.e. existing MSMEs extracting groundwater up to 100 KLD, pending with CGWA at the time of announcement of scheme and where EC is applicable, shall also be eligible for relief in EC
- ❖ If the **PP fails to pay the amount within 30 days** of approval of NOC and/or communication of charges, then it will forfeit the benefit of relief/ it will not be eligible to avail the benefit of relief
- ❖ Benefit of scheme **shall not be available** to those projects which have case(s) of illegal extraction of ground water pending against them before any **Court/ Tribunal/ Authority**



Document required for availing benefit under Part A(**Fresh Applications**)

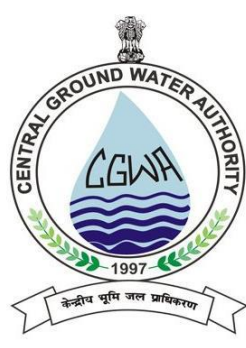
- ▶ CTO/ CCA
- ▶ MSME Certificate
- ▶ Non-Availability of Water (NAW) Certificate or NAW Affidavit on Rs 50/- Non-judicial Stamp Paper
- ▶ Affidavit regarding Drinking/ Domestic requirement on Rs 100/- non-judicial stamp paper

Document required for availing benefit under Part A(For Renewal applications)



- ▶ MSME Certificate
- ▶ **Self-compliance report to be uploaded on NOCAP** (in case of difficulty in uploading on NOCAP, PDF version may be attached as Additional Document with the application)
- ▶ Compliance documents with geotagged photographs (telemetry included)
- ▶ Self-compliance Affidavit on Rs100/- non-judicial Stamp Paper.
- ▶ **Self-inspection report to be uploaded on NOCAP** (in case of difficulty in uploading on NOCAP, PDF version may be attached as Additional Document with the application)
- ▶ **Quality Report of Groundwater from borewells in the premises.** Undertaking/ Affidavit on Rs50/- non-judicial Stamp Paper to the effect that quality report pertains to groundwater from borewells in the premises of project
- ▶ Justification for increase in quantum, if any, from the previous NOC (including denial of water supply by other agencies providing water earlier). If the PP has already extracted quantum beyond permitted quantum in previous NOC, justification for same may be provided.

THE PROPOSED SCHEME – PART B



- ❖ **Relief in Environmental Compensation towards Saline Groundwater Extraction**
 - Benefit of relief shall be extended to all existing MSME projects extracting saline groundwater.
 - Existing applications shall also get benefit of the scheme

Document required for availing benefit of part-B FOR FRESH APPLICATIONS



- ▶ CTO/ CCA
- ▶ MSME Certification.
- ▶ Non-Availability of Water (NAW) Certificate or NAW Affidavit on Rs 50/- Non-judicial Stamp Paper
- ▶ Quality Report of Groundwater from borewells in the premises
- ▶ Undertaking/ Affidavit on Rs50/- non-judicial Stamp Paper to the effect that quality report pertains to groundwater from borewells in the premises of project.
- ▶ Affidavit regarding Drinking/ Domestic requirement on Rs 100/- non-judicial stamp paper

Document required for availing benefit of part-B **FOR RENEWAL APPLICATIONS:**



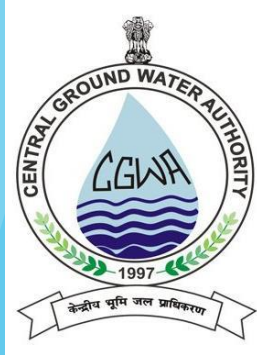
- ▶ MSME Certificate
- ▶ **Self-compliance report to be uploaded on NOCAP** (in case of difficulty in uploading on NOCAP, PDF version may be attached as Additional Document with the application)
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- ▶ **Undertaking/ Affidavit** on Rs50/- non-judicial Stamp Paper to the effect that quality report pertains to groundwater from borewells in the premises
- ▶ Justification for increase in quantum, if any, from the previous NOC (including denial of water supply by other agencies providing water earlier). If the PP has already extracted quantum beyond permitted quantum in previous NOC, justification for same may be provided.



❖ The Proposed Scheme – Part C Relief in Charges for Change of Log-Id for Logging in into NOCAP Portal

- Rs 1000/- will be charged for change in Log-in Id for one year from the date of announcement of this scheme.
- Rs 500/- will be charged for any other item/ correction for one year from the date of announcement of this scheme.
- This relief is being extended across all categories.

Miscellaneous Provisions



I. Document Submission: All necessary documents must be submitted with the application. If deficiencies are found, a Deficiency Memo will be issued, and the applicant (PP) has 30 days to rectify them; otherwise, the application will be rejected.

II. Limit on Groundwater Extraction: The quantum of groundwater extraction cannot be increased later without valid reason.

III. Penalties for False Information: If false information is provided regarding MSME status, extraction quantity, or quality reports, the PP will face penalties under existing rules and must repay the full Environmental Compensation.

Miscellaneous Provisions...



IV. Handling Technical Glitches: If technical issues in the NOCAP Portal delay application submission into the next trimester, the PP can file a grievance with screenshots. The Implementation Committee (IC) will review and decide on the issue.

V. EC Payment Issues: The procedure mentioned above shall be applicable *mutatis mutandis* for handling technical glitches also applies if a PP faces issues paying EC charges due to portal errors.

VI. Grievance Redressal: PPs can register other grievances with the CGWA, which will be reviewed by the IC. The IC's decision is final and binding.

Thank You

केन्द्रीय भूमि जल प्राधिकरण
Central Ground Water Authority

Email : cgwa@nic.in Portal: <https://cgwa-noc.gov.in>

Website: <http://cgwb.gov.in/>