

GROUND WATER WITHDRAWAL PERMISSION FROM CENTRAL GROUND WATER AUTHORITY



હીૉહમ- “બાયોમ”

“Balance the Innovative Opportunities into Heave for the Management of environment to protect the earth.”

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ABOUT BIOHM

- ▶ Biohm Consultare Private Limited (**BIOHM-बायोम™**) established in 2018 having its registered office at 705, Luxuria Business Hub, Near VR Mall, Dumas Road Surat.
- ▶ The legal entity of the company is private limited registered under Companies Act 2013.
- ▶ Biohm is a group of environmental consultants and design engineers.
- ▶ It comprises a team of highly talented professionals, who work in sync with clients ensuring that the defined assessment, survey or reporting is executed with high level of efficiency.
- ▶ Our proficient team consists of Environmentalists, Engineers, Chemists, Geologists, Industrial hygienists, Technicians, Research Associates, Sociologists, Policy makers, Economist, Legal Advisors and others with expertise in various key areas.
- ▶ The personnel with BCPL has a proven successful track record of working with industry and institutions and in executing multi-faceted projects funded by organizations like World Bank, Asian Bank, MoEFCC, SEAC/SEIAA, amongst others.



THE FIVE MANTRAS OF BIOHM

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1. Be Kind with Nature!

2. Improve the Environmental conditions!

3. Overcome the Pollution Potential!

4. Hope for the Best. Do the things Right at very first.

5. Manage the environment to protect the earth.



BIOHM VALUES

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➤ ***Safety***

- We create a working environment that promotes safe performance.

➤ ***Quality***

- We always strive for excellence in the services we provide and in the results we produce.

➤ ***Integrity***

- We are committed to the highest ethical standards.

➤ ***Creativity***

- We believe in looking at challenges and opportunities and in exercising our curiosity.

➤ ***Accountability***

- We take responsibility for all of our decisions and actions.

➤ ***Teamwork***

- We work together to succeed.



BIOHM POLICY

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➤ Biohm is dealing with Environmental Consultancy and Engineering Solutions which satisfies the statutory, regulatory, stakeholders' and others' requirement.

➤ BCPL has commitment towards quality services through systematic techniques confirming constant development through intermittent reviews of performance.



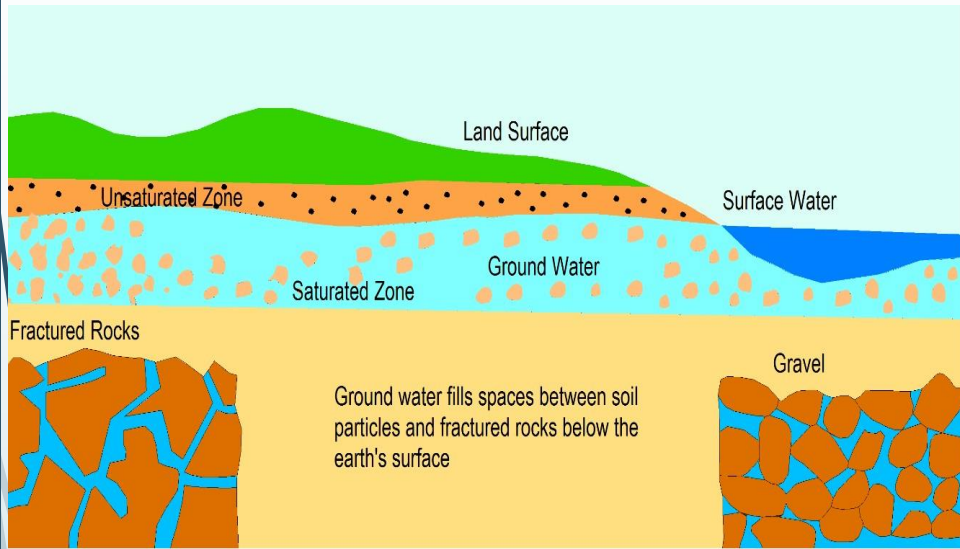
BIOHM SERVICES AT GLANCE

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- Environment Clearance (EIA)
- Forest Clearance
- Wildlife Clearance
- CRZ Clearance
- Carbon Credit Scheme
- Infrastructure Development
- CGWA Permission
- Water Audit / Budgeting
- Green Building Certification
- Consent to Establish/Consent to Operate under Air and Water Act
- Authorizations for Hazardous Substances/Bio medical waste
- No Objection Certificate - Forest Diversion / Non-Forest Land
- Wildlife Conservation Plan/Mangrove Management Plan
- No Objection Certificate - from Revenue Department /Authority
- No Objection Certificate - Storage of Diesel/Hazardous Chemical/PESO

- Half Yearly Environment Compliances
- Submission of Form V/Form IV- Environment Financial Statement
- Environmental Audits
- Safety Audit
- Risk assessment- HAZOP, Hazid, Tree Analysis etc.
- Modelling Studies
- Geospatial Studies/GIS Studies
- Geology and Hydrological Studies
- Social Studies (SIA), R&R, RAP
- Land Use /Land cover studies
- Marine Studies
- Environment Legal Advice
- Waste Water Treatment –Consultancy, Design & Management
- Design and Architect
- DPR and Feasibility Report
- Environmental Testing





Groundwater

- Ground water is water that is located below the earth's surface. Over time, water from rain and rivers migrates through the ground and is stored in porous soils and rocks.

Ground water availability in India

- As of April 2015, the water resource potential or annual water availability of the country in terms of natural runoff (flow) in water resources in India rivers is about 1,869 Billion Cubic Meter (BCM)/year. However, the usable water resources of the country have been estimated as 1,123 BCM/year. This is due to constraints of topography and uneven distribution of the resource in various river basins, which makes it difficult to extract the entire available 1,869 BCM/year.

Parameter	Unit (Billion Cubic Meter/Year)
Annual water availability	1,869
Usable water	1,123
Surface water	690
Ground water	433



Comparative Status of level of Ground Water Development in India

Level of ground water development	Explanation
0-70% (Safe)	Area which have ground water potential for development.
70-90% (Semi-critical)	Area where cautions ground water development is recommended.
90-100% (Critical)	Area which need intensive monitoring and evaluation for ground water development.
>100% (Overexploited)	Area where future ground water development is linked with water conservation measure.



Major Central level Water Institutions Responsible for Ground Water Management

Institution	Role
Central Water Commission	Initiating and coordinating schemes for the conservation and utilisation of water resources in the country in collaboration with state governments; and monitoring water quality.
Central Ground Water Board	Developing and disseminating technology related to sustainable use of ground water; monitoring and implementing policies for the sustainable management of ground water resources; estimating ground water resources.
Central Ground Water Authority	Constituted under Section 3(3) of the Environment (Protection) Act, 1986 to regulate and control development and management of ground water resources; can resort to penal actions and issue necessary regulatory directives.
Central Pollution Control Board	Implementation of the Water (Prevention and Control of Pollution) Act, 1974 which seeks to restore water quality.



Purpose of Ground Water Uses

- Industries
- Infrastructure
- Mining
- Recreation
- Drinking & Domestic
- Any other use



Procedure to obtain NOC from Central Ground Water Authority for Ground Water Withdrawal :

Applicant for NOC

All Industrial / Infrastructural / Mining Projects which are either existing, new or are under expansion and requiring to withdraw ground water have to obtain NOC from CGWA.

Site for NOC application

Project proponent has to submit the application online on the website <http://cgwa-noc.gov.in> and send hard copy of the duly signed application along with all requisite documents so as to reach the concerned Regional Director, CGWB, within seven (7) days of submitting application online.

Project site Area

Notified Area: Permission to abstract ground water through any energized means will not be accorded for any purpose other than drinking water. The permission would be granted by the Authorised Officer in consultation with the advisory committee constituted for this purpose.

Non-notified Area: NOC for ground water withdrawal will be considered for Industries / Infrastructure / Mining projects as per the criteria given below :



- Criteria for Industries/Infrastructure/Mining Projects

i) . Industries

Category	Mandatory Recycle/Reuse (for various purposes except recharge to ground water)	Withdrawal permitted (% of proposed recharge)
Safe	NOC is required for ground water withdrawal subject to adoption of artificial recharge to ground water.	NOC is required for ground water withdrawal subject to adoption of artificial recharge to ground water.
Semi-critical	Withdrawal may be permitted subject to undertaking of ground water recharge measures. The withdrawal should not exceed 200% of the recharged quantity.	Withdrawal may be permitted subject to undertaking of ground water recharge measures. The withdrawal should not exceed 200% of the recharged quantity.
Critical	Withdrawal may be permitted subject to undertaking of ground water recharge measures. The withdrawal should not exceed 100% of the recharged quantity.	Withdrawal may be permitted subject to undertaking of ground water recharge measures. The withdrawal should not exceed 100% of the recharged quantity.
Over- exploited	Withdrawal may be permitted subject to undertaking of ground water recharge measures. The withdrawal should not exceed 50% of the recharged quantity.	Withdrawal may be permitted subject to undertaking of ground water recharge measures. The withdrawal should not exceed 50% of the recharged quantity.



- Industries using ground water as raw material/water intensive industries shall not be granted NOC for ground water withdrawal in Over-Exploited areas.
- A list of different industries categorised as water intensive is given below :

List of water intensive industry
Packaged drinking water
Mineral water plant
Tannery
Distillery
Brewery
Soft drink
Paper & pulp
Fertilizer
Textile Dyeing
Textile Printing
Textile spinning
Sugar
Dairy Product
Water park & amusement center



Flow Chart – Industrial Project – Activities And Requirement Of Water at Each Stage

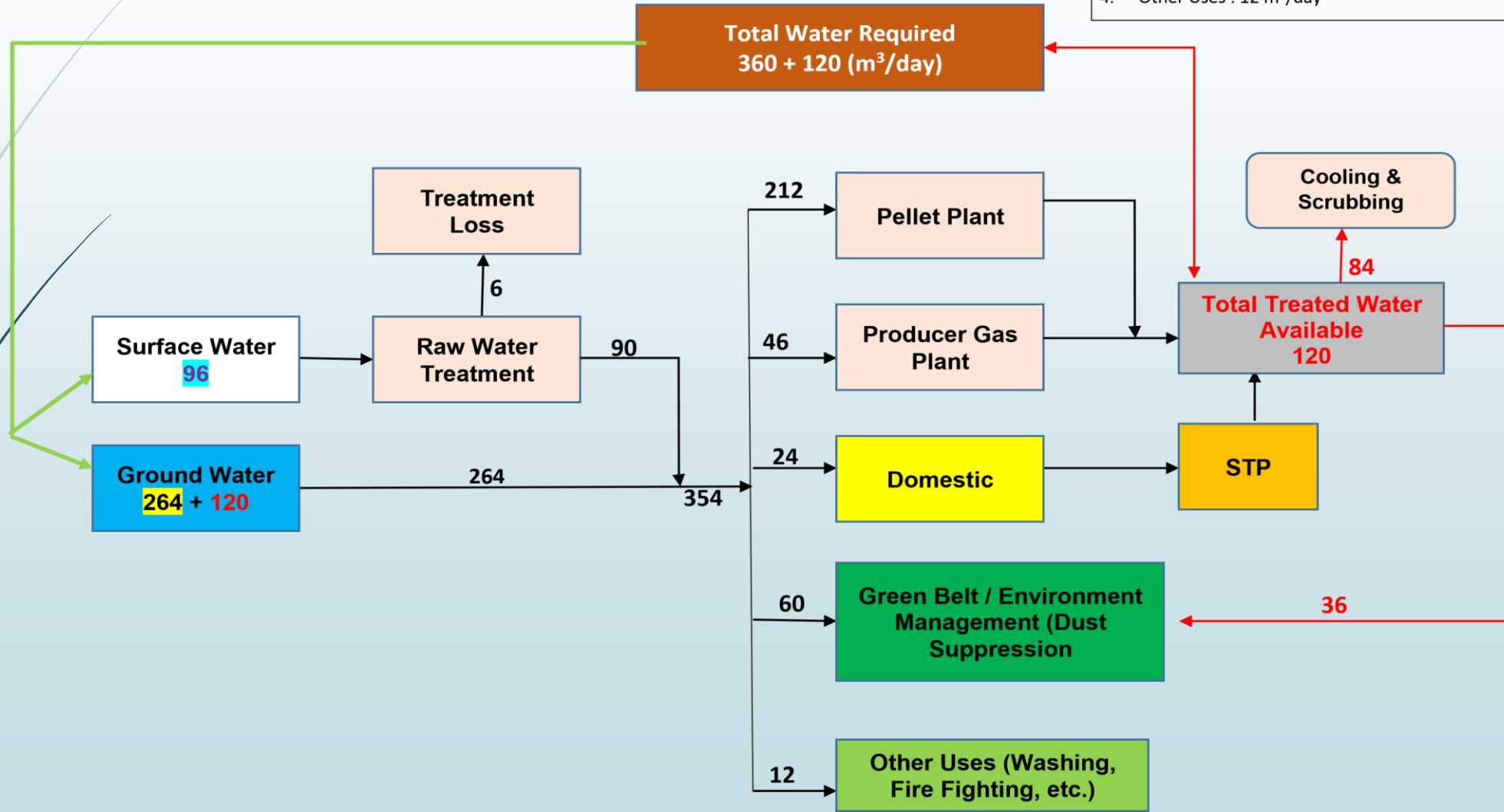
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Total Water Required : $96 + 264 + 120 = 480 \text{ m}^3/\text{day}$ #

1. Existing Surface Water Supply : $96 \text{ m}^3/\text{day}$
2. Initial Ground Water Requirement : $264 + 120 = 384 \text{ m}^3/\text{day}$
3. Recycled Water Used : $120 \text{ m}^3/\text{day}$
4. **Net Ground Water Requirement = $264 \text{ m}^3/\text{day}$ - CONSIDERED FOR NOC**

#

1. Industrial Water Requirement: Pellet Plant (212) + Producer Gas Plant (46) + Cooling & Scrubbing (84) + Treatment Loss (6) = $348 \text{ m}^3/\text{day}$.
2. Residential / Domestic: $24 \text{ m}^3/\text{day}$.
3. Green Belt etc. : $96 \text{ m}^3/\text{day}$
4. Other Uses : $12 \text{ m}^3/\text{day}$



ii) Infrastructure projects :

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The application for the infrastructure projects would be considered depending on the type of infrastructure project as per below table :

Residential apartment	SEZ (Non Industrial use)
Residential township	Banquet Hall
Business Plaza	Metro Station
Malls & Multiplex	Railway Station
Hospitals	Bus Depot
Office building	Airport
School	Seaport
College	Highway infrastructure
University	Fire station
Resort	Warehouse
Hotel	IT Complex
Holiday home/Guest house	Logistics & Cargo

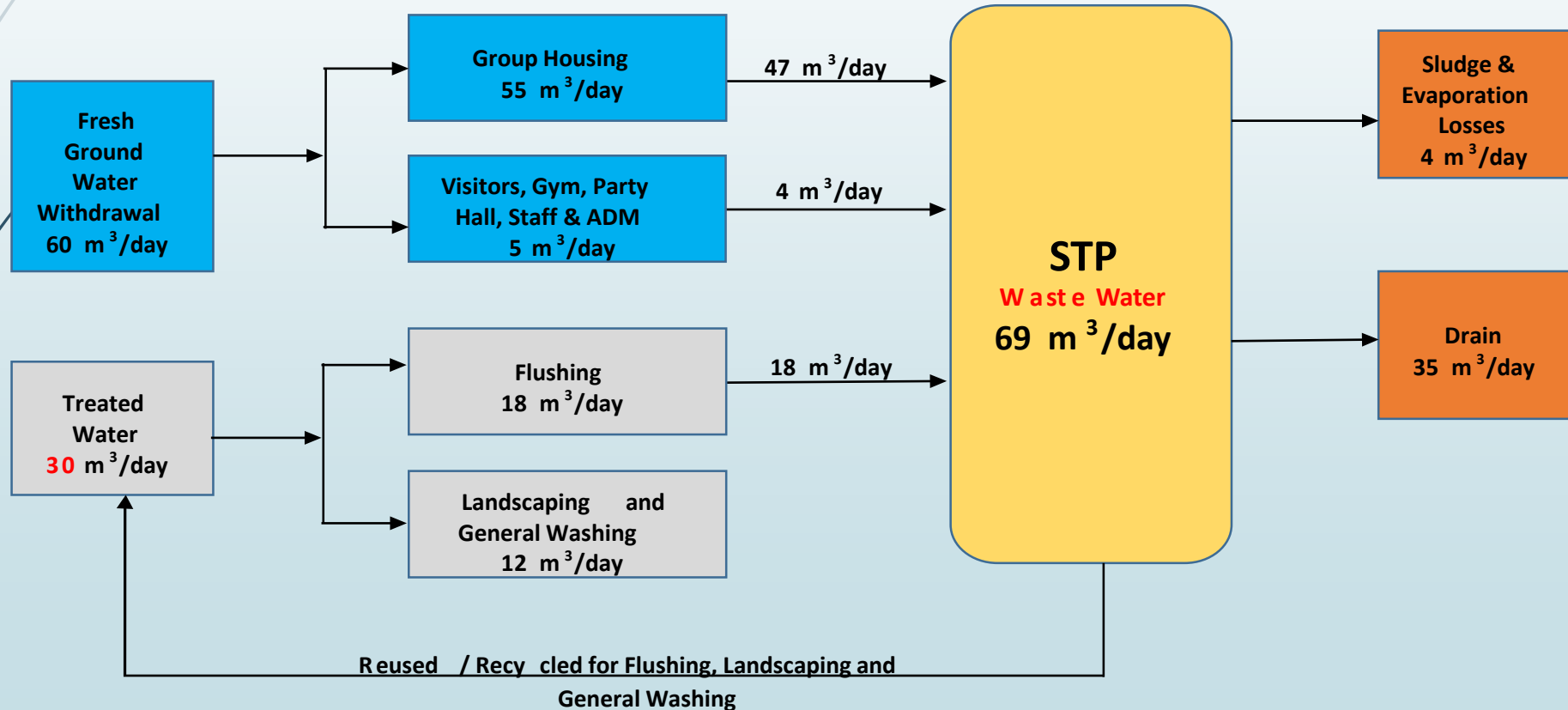


Flow Chart – Infrastructure Project – Activities and Requirement of Water at each Stage

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► **Total Water Required: $60 + 30 = 90 \text{ m}^3/\text{day}$**

1. Fresh Ground Water Withdrawal : $60 \text{ m}^3/\text{day}$
2. Fresh Surface Water Supply : Nil
3. Recycled Water Available : $30 \text{ m}^3/\text{day}$
4. Net Ground Water Requirement = $60 \text{ m}^3/\text{day}$ - CONSIDERED FOR NOC



iii) Mining :

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- Abstraction of ground water by mining industries intersecting water table for de-watering of mine pit water, and dewatering groundwater used for basement construction of buildings, etc., may be permitted subject to the following conditions.
 - a) Conditions for recharge and recycle/reuse would be similar to those given in case of industries for withdrawal of ground water. Project proponent has to submit mining plan with mine seepage computation/modelling studies carried out by them.
 - b) The de-watered quantum of water is to be put to gainful use. This may include water supply and provide to water supply agencies, agriculture, dust suppression by the industry, utilization by the mining industry, utilization for artificial recharge to ground water, etc.
 - c) Piezometers for monitoring the ground water level of de-watered aquifers are to be mandatorily installed within the premises and in peripheral areas having adequate depth range.
 - d) The record of water level data be maintained and to be provided periodically or whenever demanded by the regulating agency.
 - e) Wherever the mines/de-watering project is situated in the coastal area special care should be taken to prevent sea water ingress. This should be supported by a technical evaluation report.
 - f) In case of mining projects detailed and continuous study on the groundwater regime, including ground water modelling should be carried out and the results should be submitted to the Regional Directorate of CGWB periodically.

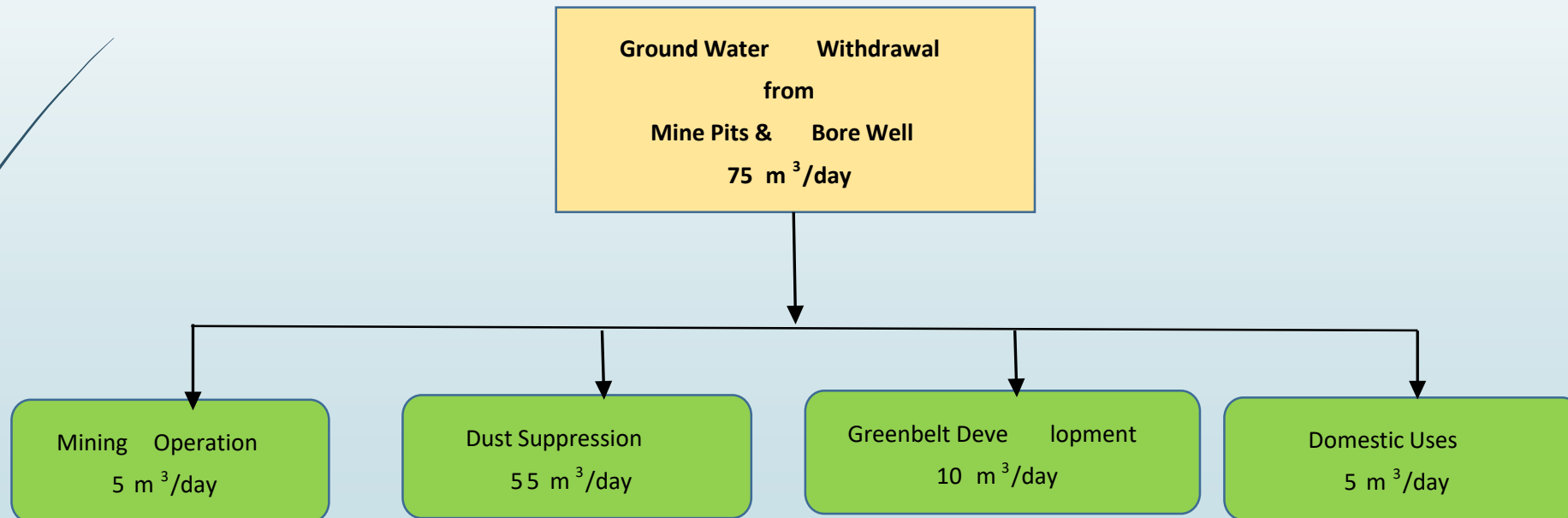


Flow Chart – Mining Project – Activities and Requirement of Water at each Stage

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- ▶ Ground Water pumped out from Mine Pits: 70 m³/day
- ▶ Ground Water Withdrawn form Bore Well: 5 m³/day
- ▶ Withdrawn Ground Water Gainfully Utilised for

1. Mining Operation : 5 m³/day
2. Dust Suppression : 55 m³/day
3. Green Belt Development : 10 m³/day
4. Domestic Use : 5 m³/day
5. Net Ground Water Withdrawn = 75 m³/day - CONSIDERED FOR NOC



Fees for the NOC Application

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- A processing fee of Rs. 1000.00 per fresh NOC and Rs.500.00 per renewal of NOC is applicable for issuance of NOC or its renewal.
- All payments are to be made online through Non –Tax Receipt Portal (<https://bharatkosh.gov.in>).

Check Eligibility for NOC

Check your project is eligible or not at <http://cgwa-noc.gov.in/Sub/CheckEligibility/CheckEligibility.aspx>

The screenshot shows the 'Check Application Eligibility' page on the CGWA website. The page header includes the Government of India logo, the CGWA logo, and the text: 'Government of India, Central Ground Water Authority (CGWA), Ministry of Water Resources, River Development and Ganga Rejuvenation, Application for Issue of NOC to Abstract Ground Water (NOCAP)'. The page is divided into a left sidebar and a main content area. The sidebar contains sections for '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: Segment-B Area Type, Regional office Location, CGWA Headquarters), 'Reports' (Applied for NOC - Online, NOC Issued-Online), and 'Contact Us'. The main content area is titled 'Check Application Eligibility' and contains several form sections: 'Application Information' with dropdowns for Application Type, Application Purpose, and Application Type Category/ Type of Application; 'Water Quality' with a dropdown for Water Quality Type; 'Ground Water Utilization' with radio buttons for New Industry, Existing Industry, and Expansion Program of Existing Industry; and 'Location Detail' with dropdowns for State, District, and Assessment unit. At the bottom of the form are 'Check Eligibility' and 'Reset' buttons.

Government of India
Central Ground Water Authority (CGWA)
Ministry of Water Resources, River Development and Ganga Rejuvenation
Application for Issue of NOC to Abstract Ground Water (NOCAP)

Check Application Eligibility

Application Information

Application Type: --Select--
Application Purpose: --Select--
Application Type Category/ Type of Application: --Select--

Water Quality

Water Quality Type : --Select--

Ground Water Utilization

Whether Ground Water Utilization for: *

New Industry
 Existing Industry
 Expansion Program of Existing Industry

Location Detail

State: * --Select--
District: * --Select--
Assessment unit: * --Select--

Check Eligibility Reset



Online Application for NOC

➤ Steps for Filling Application

A. General Information for Filling of the Application:

Read the Checklists and Documents required, before filling the application

(<http://cgwa-noc.gov.in/LandingPage/index.html>) for Industry, Infrastructure and Mining Purposes.

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

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

Home Guidelines Download Forms Contact Us

Home WELCOME

*** Rs. 1000/- Procees

Central Ground Water Authority (CGWA) has been constituted under Section 3 (3) of the Environment (Protection) Act, 1986 to regulate and control development and management of ground water resources in the country. ...more

NOC Issued-Online

Directory	User Assistance	
CGWA Headquarters	Guidelines	States Not Regulated By CGWA
Regional Offices Of Central Ground Water Board	Area (Notified / Non-Notified)	Categorization Of Assessment Units
	Documents Required	FAQs
	Steps For Filling Application Online	Sample Filled In Application
	Steps For Filling Self Compliance Online	Processing Fee
	Steps For Applying Renewal Of NOC new	Steps For Processing Fee On Bharatkosh

Latest Update...more

■ Notice: NOCs put on hold nursuant to order of Hon'ble

Total Visitors: 993251

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Last updated on : 07-Feb-2019



1. Documents Required for Industrial Project

Documents Required for Industrial Project				
S.No.	Documents	Withdrawal upto 10 KLD	Withdrawal more than 10 KLD	Withdrawal more than 500 KLD
1	Consent to operate/establish/approval letter from statutory bodies viz Ministry of Environment & Forest (MoEF) or State Pollution Control Board (SPCB) or State Level Expert Appraisal Committee (SEAC) or State Level Environment Impact Assessment Authority (SLEIAA)/. {As per Application form Sl. No. 6}	Yes	Yes	Yes
2	Site Plan with location map. {As per Application form Sl. No. 1(ii)}.	Yes	Yes	Yes
3	Flow Chart showing details of water requirement and recycled water use at each stage only for ground water withdrawal. {As per Application form Sl. No. 2(ii), (iii)} {Sample flow chart is attached}.	No	Details to be submitted in Tabular format	Yes
4	Certificate of water availability/non availability from government water supplying agency. {As per Application form Sl. No. 1(vii)}	NO (only self declaration to be given)	Yes	Yes
5	Proposal for rainwater harvesting / artificial recharge as per the "Guidelines / Criteria for Evaluation of Proposals / Requests for Ground Water Abstraction (with effect from 16.11.2015)" . In case, the water harvesting / artificial recharge structure is proposed to be constructed outside the area of the industry, NOC is required from that agency/ authority where the structure is proposed. Dimension of pond should mention in NOC. {As per Application form Sl. No. 5}.	NO (only Roof top rainwater harvesting Design is required)	Yes	Yes
6	Computation of water requirement as per CPHEEO norms and taking into account of recycle / reuse of treated water as per Annexure. {As per Application form Sl. No.2}	Yes	Yes	Yes
7	Comprehensive report on groundwater conditions in and around 5 km of the areas required if the industry extracts groundwater 500 m ³ /day or more. {As per Application form Sl. No.4}.	No	No	Yes
8	Ground water quality report of all existing tube wells may be done through government approved lab.. {As per Application form Sl. No. 3(a)}	Yes	Yes	Yes
9	Authorisation letter from firm.	Yes	Yes	Yes



2. Document Required for Infrastructure Project

Documents Required for Infrastructure Project

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Documents Required for Infrastructure Project				
S.No.	Documents	Withdrawal upto 10 KLD	Withdrawal more than 10 KLD	Withdrawal more than 500 KLD
1	Consent to operate/establish/Approval letter from statutory bodies viz Ministry of Environment & Forest (MoE F) or State Pollution Control Board (SPCB) or State Level Expert Appraisal Committee (SEAC) or State Level Environment Impact Assessment Authority (SLEIAA) or Urban/Rural Development Authority where MoEF/ SPCB/SEAC/SLEIAA does not issue referral letter.{As per Application form Sl. No. 9}.	Yes	Yes	Yes
2	Site Plan and location map.{As per Application form Sl. No. 1(ii)}	Yes	Yes	Yes
3	Flow Chart showing details of water requirement and recycled water use at each stage only for ground water withdrawal.{As per Application form Sl. No. 3(ii), (iii)}(Sample flow chart is attached).	No	Details to be submitted in Tabular format	Yes
4	Certificate of water availability/non availability from government water supplying agency.{As per Application form Sl. No. 1(vi)}	NO (only self declaration to be given)	Yes	Yes
5	Proposal for rainwater harvesting / artificial recharge as per the "Guidelines / Criteria for Evaluation of Proposals / Requests for Ground Water Abstraction (with effect from 16.11.2015)".{As per Application form Sl. No. 8}.	NO (only Roof top rainwater harvesting Design is required)	Yes	Yes
6	Computation of water requirement as per CPHEEO norms and taking into account of recycle / reuse of treated water as per Annexure.{As per Application form Sl. No.2}	Yes	Yes	Yes
7	Comprehensive report on groundwater conditions in and around 5 km of the areas required if the industry extracts groundwater 500 m3/day or more.{As per Application form Sl. No.7}.	NO	No	Yes
8	Ground water quality report of all existing tube wells may be done through government approved lab.{As per Application form Sl. No.6(a)}	Yes	Yes	Yes
9	Authorisation letter from firm.	Yes	Yes	Yes



3. Document Required for Mining Project

Documents Required for Mining Project

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Documents Required for Mining Project									
S.No.	Documents	Withdrawal upto 10 KLD	Withdrawal more than 10 KLD						
1	TOR/EC/Approval letter from statutory bodies viz Ministry of Environment & Forest (MoEF) or State Pollution Control Board (SPCB) or State Level Expert Appraisal Committee (SEAC) or State Level Environment Impact Assessment Authority (SLEIAA).{As per Application form Sl. No.21}.	Yes	Yes						
2	Approved Mine Plan as per approving authority.{As per Application form Sl. No.3}.	Yes	Yes						
3	Ground water quality report of all existing tube wells may be done through government approved lab.{As per Application form Sl. No.17(e)}.	Yes	Yes						
4	Authorization letter from firm	Yes	Yes						
5	Comprehensive report on groundwater conditions in and around 5 km of the area {As per Application form Sl. No.19} The report should include - <table border="1" data-bbox="479 1075 1913 1400"> <tbody> <tr> <td>a).</td> <td>Map showing location of groundwater regime monitoring wells.{As per Application form Sl. No.17}</td> </tr> <tr> <td>b).</td> <td>Flow Chart showing details of water requirement and recycled water use at each stage. {As per Application form Sl. No.14} (Sample flow chart is attached).</td> </tr> <tr> <td>c).</td> <td>Proposal for rainwater harvesting / artificial recharge. {As per Application form Sl. No.20}</td> </tr> </tbody> </table>	a).	Map showing location of groundwater regime monitoring wells.{As per Application form Sl. No.17}	b).	Flow Chart showing details of water requirement and recycled water use at each stage. {As per Application form Sl. No.14} (Sample flow chart is attached).	c).	Proposal for rainwater harvesting / artificial recharge. {As per Application form Sl. No.20}	No	Yes
a).	Map showing location of groundwater regime monitoring wells.{As per Application form Sl. No.17}								
b).	Flow Chart showing details of water requirement and recycled water use at each stage. {As per Application form Sl. No.14} (Sample flow chart is attached).								
c).	Proposal for rainwater harvesting / artificial recharge. {As per Application form Sl. No.20}								



4. Check List for Site Inspection of Compliance for Renewal Of NOC

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Check List for Site Inspection of Compliance Conditions for Renewal of NOC

1. Name of the Firm and its activity:
2. Village/ Block/ District:
3. NOC accorded by CGWA (date):

Sl. No.	Compliance Conditions as per NOC	Compliance Status observed at site
1.	Quantum of GW withdrawal as per NOC	Quantum withdrawn by the firm (Check log book)
2.	No. of TWs/ BWs as per NOC	No. of TWs/ BWs constructed (Attach photographs)
3.	Wells fitted with meter	Check at site (Attach photographs)
4.	No. Piezometers as per NOC	No. of Piezometers constructed and check the monthly water level data. (Attach photographs)
5.	Piezometers fitted with AWLRs with telemetry as per NOC	Check at site and ensure for monthly data transferred to NDC.
6.	GW quality monitoring	Check the quality data both for pre-monsoon and post-monsoon periods as per report provided by firm.
7.	Wells monitored around the plant premises	Check the water level data monitored by the firm.
8.	RWH and AR structures implemented	Check the structures at site and attach photographs.
9.	Maintenance of recharge structures	Check the status of maintenance and give appropriate advice.
10.	Recharge through ponds	Check at site and condition of maintenance. (Attach photographs)
11.	Water Security Plan of villages	Ensure that WSP are taken up by the firm and report is submitted to Region.
12.	Recycle and reuse of water	Check at site the STP/ ETP installed. (Attach photographs)
13.	Water conservation measures	Initiatives taken by the firm in this respect. (Attach photographs, if any)
14.	Submission of Compliance report to the Region	Ensure timely submission of report by the firm to Region with all details of compliance conditions of NOC with photographs (2 copies)

Name with signature of
Project Proponent/ Representative

Name with signature of
Officer of CGWB



5. Outline of Preparation of Compliance Report

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Outline of Preparation of Compliance Report

Compliance report to be submitted within one year/ during renewal after receipt of NOC from CGWA should include:

1. Brief about the proposed project with photographs if any.
2. Location details, coordinates, google/ toposheet maps, etc. demarcating the project area.
3. Compliance conditions as per the NOC. (copy of NOC as Annexure)
4. Details of the tubewells/ borewells constructed as per the NOC issued by the CGWA. This includes the drilling depth, diameter, lithological log, details of pump lowered, H.P. of pump, discharge of tubewells/ borewells, etc. Locations to be marked on the site plan/ map. Photographs of the existing/ constructed tubewells/ borewells.

S.No.	Activity	Details of existing/ constructed structures
1	Drilling depth(m)	Includes the type of rig deployed
2	Diameter (mm)	Details of pipe lowered, etc.
3	Lithological log	Tabular form/ diagram of the formation encountered along with aquifers encountered
4	Details of pump lowered	Type of pump and HP, lowered at what depth
5	Discharge of tube wells / bore wells etc. (m ³ /hour)	Yield of the well
6	Operational time (hrs./ day)	Average pumping hours per day
7	Location of wells	Coordinates (to be marked on site map)
8	Photographs	Photographs of the existing/ constructed tubewells/ borewells

5. Installation of water meters (with photographs) on the constructed wells by the firm. Monthly data indicating the quantum of ground water withdrawal.

S.No.	Month	Meter reading on 1 st day of the month	Meter reading on last day of the month	Water consumption during the month (m ³ / month)	Average water consumption per day (m ³ / day)

- Photographs showing water meter installed on each constructed/ existing tubewell/ borewell.



6. Ground water quality both for pre-monsoon & post monsoon period for the tubewells/ borewells and piezometers constructed within the project area.

- Water quality analysis of water samples collected during April/ May and November from Accredited Laboratory.

7. Water level data for the tubewells/ borewells existing/ constructed within the project area.

S.No	Type of well	Location	Depth(meters below ground level)			
			Year			
			January	April/ May	August	November

8. Details of artificial recharge & rainwater harvesting measures implemented by the firm with details indicating designs, type & number of recharge structures/ shafts; quantum of water recharged/ proposed to be recharged per annum; impact of recharge; photographs of the constructed recharge structures, etc.

- Details of recharge computations for roof top; paved/ roads; open; green belt.
- Designs of the implemented recharge structures (both plan and section view).
- Location of the recharge structures implemented within the project premises (on layout plan).
- Photograph of the implemented recharge structures.
- Computation of runoff from the catchments intended to divert to the pond/ ponds (if any).
- Location of constructed pond/ ponds (on layout plan).
- Design of recharge shaft/ shafts constructed within the pond/ ponds.
- Photographs of the recharge structures along with pond/ ponds.
- Computation of recharge quantum along with photographs implemented outside the project area (viz. ponds with recharge shafts; check dams/ nala bunds/ cement plugs; gabion structures; contour trenches; sub-surface dykes, etc. (if any)).
- Details/ measures taken for maintenance activities carried out (photographs, if any) for the implemented recharge structures for ensuring effective recharge.
- Location on map constructed recharge structures for rain water conservation and recharge.

9. Measures adopted for water conservation which includes recycle; reuse; treatment; etc. This includes the water balance chart being adopted by the firm along with details of water conservation methods adopted by the firm including photographs of the same.

- Brief write up along with capacity and flow chart of STP/ ETP/ CEPT existing within the project.
- Details of water conservation measures adopted to reduce/ save the ground water.
- Total water balance chart showing the usage of water for various processes.
- Photographs of the STP/ ETP implemented along with its optimal utilization.



10. Installation of piezometers (with photographs) with details indicating design, depth diameter, lithology, etc. along with monitoring schedule.

S.No.	Details	PZ-1	PZ-2	PZ-3
1	Location	Coordinates with layout plan showing the locations		
2	Depth (m)			
3	Diameter			
4	lithology	Tabular form/ diagram of the formation encountered along with aquifers encountered		
5	Monitoring schedule	Monthly	Monthly	Monthly
6	Photographs	Photographs showing measurement of water levels		

11. Water Security Plan of villages (a separate report to be submitted)
12. Plantation of trees for enhancing infiltration of water to underground.
13. Copy of NOC from CGWA, SPCB, MOEF, etc. as Annexures.
14. Any other details pertaining to compliance of NOC.

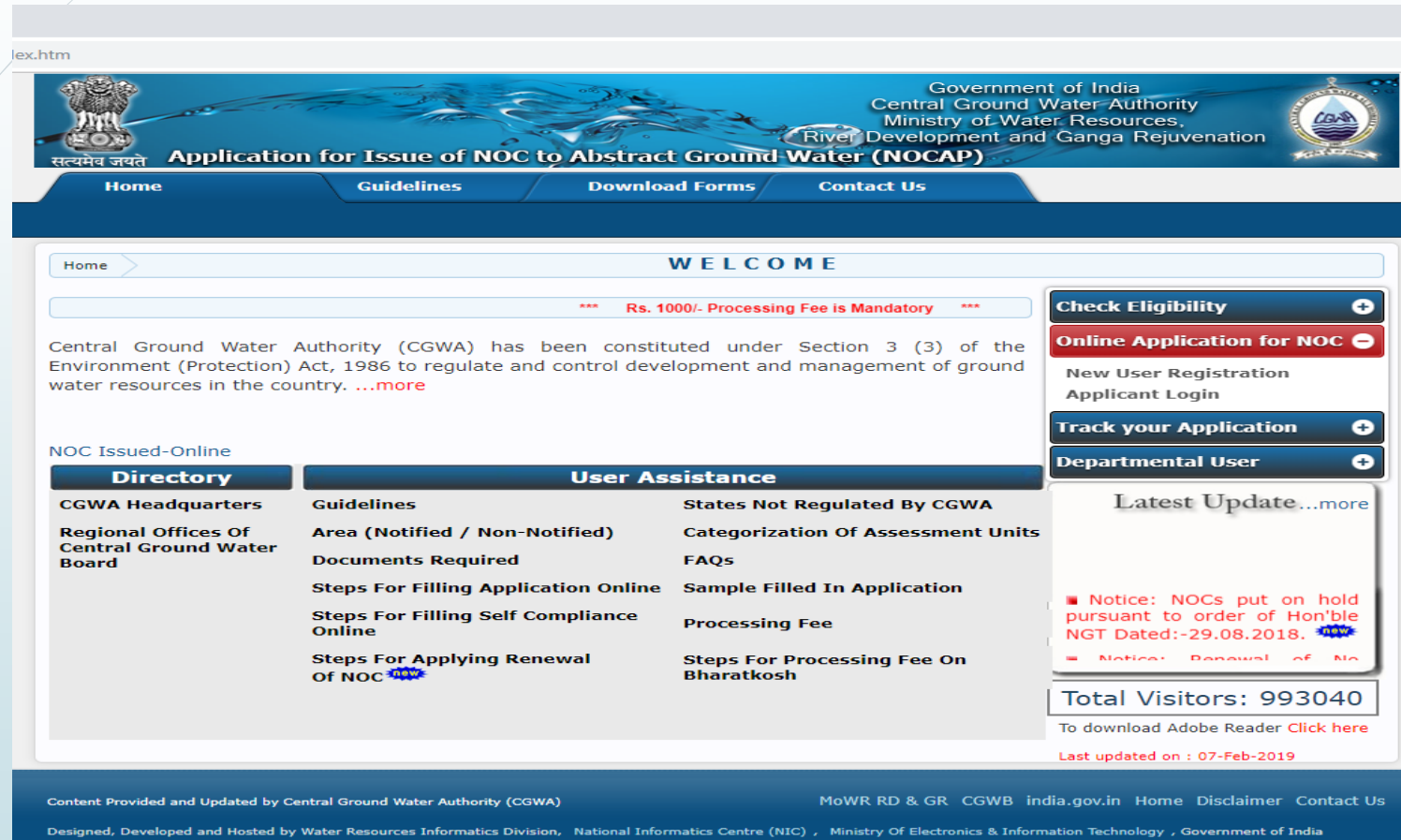


B. Steps for Online filling of the Application for Industry, Infrastructure and Mining Purposes

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1. Applicant Registration

a. Select the link Online Application for NOC



The screenshot displays the official website of the Central Ground Water Authority (CGWA). The header features the Government of India emblem and the CGWA logo, with the text: "Government of India, Central Ground Water Authority, Ministry of Water Resources, River Development and Ganga Rejuvenation". The main navigation bar includes "Home", "Guidelines", "Download Forms", and "Contact Us". A "WELCOME" banner is present, along with a mandatory fee notice: "*** Rs. 1000/- Processing Fee is Mandatory ***". The central content area provides information about the CGWA's role and lists various services under "NOC Issued-Online". A sidebar on the right contains several key links: "Check Eligibility", "Online Application for NOC" (highlighted in red), "New User Registration", "Applicant Login", "Track your Application", and "Departmental User". A "Latest Update" section at the bottom right contains a notice regarding NOCs put on hold by the NGT on 29.08.2018. The footer includes contact information and a disclaimer.

lex.htm

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

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

Home Guidelines Download Forms Contact Us

Home > WELCOME

*** Rs. 1000/- Processing Fee is Mandatory ***

Central Ground Water Authority (CGWA) has been constituted under Section 3 (3) of the Environment (Protection) Act, 1986 to regulate and control development and management of ground water resources in the country. ...more

NOC Issued-Online

Directory	User Assistance	
CGWA Headquarters	Guidelines	States Not Regulated By CGWA
Regional Offices Of Central Ground Water Board	Area (Notified / Non-Notified)	Categorization Of Assessment Units
	Documents Required	FAQs
	Steps For Filling Application Online	Sample Filled In Application
	Steps For Filling Self Compliance Online	Processing Fee
	Steps For Applying Renewal Of NOC	Steps For Processing Fee On Bharatkosh

Check Eligibility +

Online Application for NOC -

New User Registration
Applicant Login

Track your Application +

Departmental User +

Latest Update...more

■ Notice: NOCs put on hold pursuant to order of Hon'ble NGT Dated:-29.08.2018.

■ Notice: Renewal of No

Total Visitors: 993040

To download Adobe Reader [Click here](#)

Last updated on : 07-Feb-2019

Content Provided and Updated by Central Ground Water Authority (CGWA)

MoWR RD & GR CGWB india.gov.in Home Disclaimer Contact Us

Designed, Developed and Hosted by Water Resources Informatics Division, National Informatics Centre (NIC), Ministry Of Electronics & Information Technology, Government of India

b. Select New User Registration for registration.





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

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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
- Segment-B Area Type
- Regional office Location
- CGWA Headquarters

Reports

- Applied for NOC - Online
- NOC Issued-Online

Contact Us

- Contact

User Registration

Fields marked with asterisk (*) are Compulsory
Attachment size should be less than or equal 300KB

Title:*	--Select--
First Name:*	<input type="text"/>
Last Name:	<input type="text"/>
User Name:*	<input type="text"/> Check Availability
Email Address:*	<input type="text"/>
Confirm Email:*	<input type="text"/>
Alternate Email:	<input type="text"/>
Phone Number:(with STD code)	+ <input type="text"/> (ISD) <input type="text"/> (STD) <input type="text"/>
Mobile Number:*	+91 (ISD) <input type="text"/>
Address Line 1:*	<input type="text"/>
Address Line 2:	<input type="text"/>
Address Line 3:	<input type="text"/>
State:*	--Select--
District:*	<input type="text"/>
Sub-District	<input type="text"/>
Pin Code:*	<input type="text"/>
Date Of Birth:*(dd/mm/yyyy)	<input type="text"/>
Gender:*	--Select--
UID:	<input type="text"/>
ID Proof Type:*	--Select--
ID Proof Unique No.:*	<input type="text"/>
Attach ID Proof *	<input type="button" value="Choose file"/> No file chosen (only .jpg/.pdf files allowed.)



C. Fill the User Registration Form.

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d. Username and password will be sent through Email Alert / SMS (One Time Password (OTP)) for verification. Keep it safely.

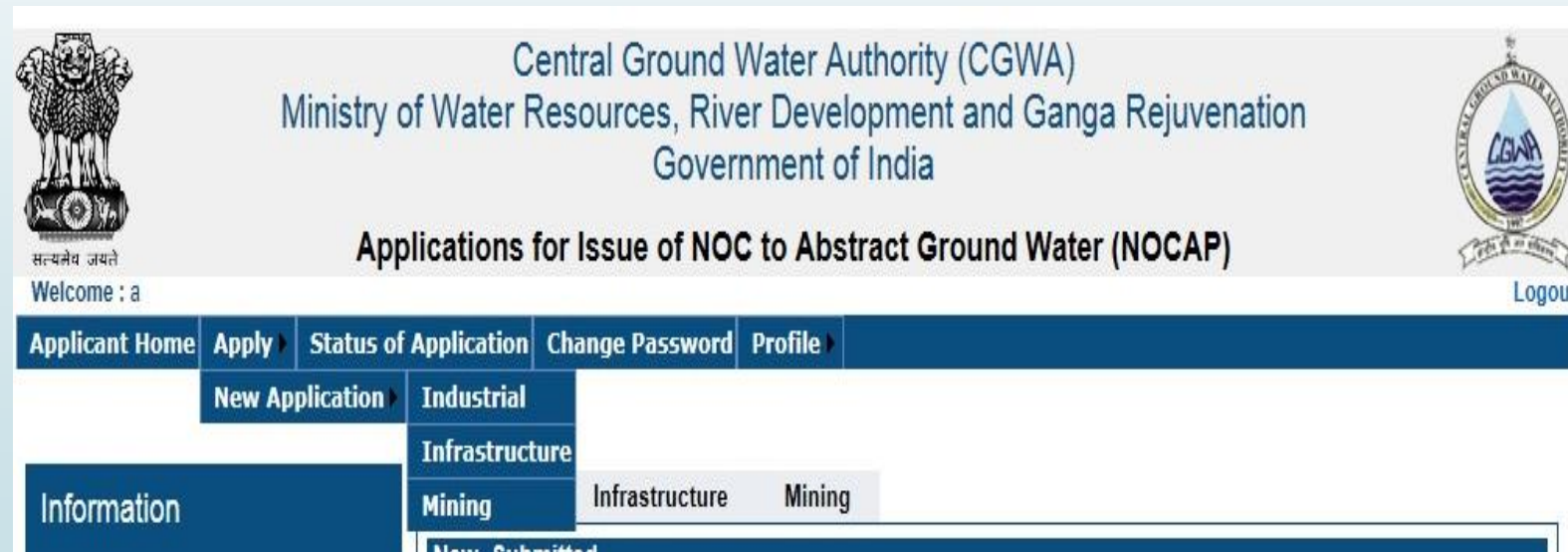
2. Applicant Login

a. Select link **Applicant Login**.

b. Enter Login and password.

c. Forgot Password.

3. Online Filling of Application



The screenshot displays the official website of the Central Ground Water Authority (CGWA). At the top, the text reads "Central Ground Water Authority (CGWA) Ministry of Water Resources, River Development and Ganga Rejuvenation Government of India". The central heading is "Applications for Issue of NOC to Abstract Ground Water (NOCAP)". On the left, there is the State Emblem of India with the motto "सत्यमेव जयते" and the text "Welcome : a". On the right, there is the CGWA logo and the text "Logou". Below the header, there is a navigation menu with the following items: "Applicant Home", "Apply", "Status of Application", "Change Password", and "Profile". Under the "Apply" menu, there are three sub-menus: "New Application", "Industrial", and "Infrastructure". Under the "New Application" menu, there are three sub-menus: "Mining", "Infrastructure", and "Mining".

a. Select **Apply** and one of the New Application Industrial/ Infrastructure/ Mining application.



Location Details	INDUSTRIAL USE: 1. General Information- Location Details	
Communication Address	(*)- Mandatory Fields, (\$) - Upload Attachments in Attachment Section	
Land Use Details	1. General Information:	
Water Requirement Details	Application Type Category/ Type of Application: *	--Select-- ▾
Recycled Water Usage	Ground Water Requirement (m3/Day):*	<input type="text"/>
Groundwater Abstraction Structure- Existing	(i) Name of Industry: *	<input type="text"/>
Groundwater Abstraction Structure- Proposed	(ii) Location Details of the Industrial Unit- (attach site plan and certified revenue sketch)	
Other Details	(S) * Address Line 1: *	<input type="text"/>
Self Declaration	Address Line 2:	<input type="text"/>
Attachment	Address Line 3:	<input type="text"/>
	State: *	--Select-- ▾
	District: *	<input type="text"/> ▾
	Sub-District: *	<input type="text"/> ▾
	Village/Town: *	<input type="text"/> ▾
	<input type="button" value="Save as Draft"/> <input type="button" value="Next >>"/>	

b. Fill all sections and select **Save as Draft** for each section of the form.



- Location Details
- Communication Address
- Land Use Details
- Water Requirement Details
- Recycled Water Usage
- Groundwater Abstraction Structure- Existing
- Groundwater Abstraction Structure- Proposed
- Other Details
- Self Declaration
- Attachment**
- Final Submit

INDUSTRIAL USE- Attachment

- *Site Plan (0)
- Certified Revenue Sketch (0)
- Documents of Ownership (0)
- Source of Availability of Surface Water (0)
- Water Requirement (0)
- Groundwater Availability (0)
- *Rainwater Harvesting (0)
- Authorization (0)
- *Referral Letter (0)
- Extra Attachment (0)

(*)- Mandatory Fields, (\$) - Upload Attachments in Attachment Section
 Maximum Number of Attachment Allowed- 5
 Maximum Size of each Attachment Allowed- 5mb
 Allowed file type for Attachment- txt, doc, docx, jpg, jpeg, pdf

1. Site Plan: Attachment Name:
 (Refer: 1 (ii))

Sr.No.	Attachment Name	File Name	View File	Delete
No Records exist in Industrial New Application Attachment				

c. Select **Browse** and Upload to attach Documents.



<input checked="" type="checkbox"/> Location Details
<input checked="" type="checkbox"/> Communication Address
<input checked="" type="checkbox"/> Land Use Details
<input checked="" type="checkbox"/> Water Requirement Details
<input checked="" type="checkbox"/> Recycled Water Usage
<input checked="" type="checkbox"/> Groundwater Abstraction Structure- Existing
<input checked="" type="checkbox"/> Groundwater Abstraction Structure- Proposed
<input checked="" type="checkbox"/> Other Details
<input checked="" type="checkbox"/> Self Declaration
<input checked="" type="checkbox"/> Attachment
Final Submit

INDUSTRIAL USE: Final Submit**1. Final Details of application**

(i) Net Ground Water Requirement

117.00

(ii) Name of Industry

bbbbbb

(iii) State

MAHARASHTRA

(iv) District

OSMANABAD

(v)Sub District

LOHARA

(vi)Village/Town

Kanegaon

(vii)Area Type

Non-Notified

(vii)Area Type category

Safe

<< Prev

Submit

d. Select Submit for final Submission of Form. Note that till the application is successfully submitted, the application will not be considered Final



<input checked="" type="checkbox"/> Location Details	INDUSTRIAL USE : SUCCESSFUL SUBMISSION	
<input checked="" type="checkbox"/> Communication Address		
<input checked="" type="checkbox"/> Land Use Details		
<input checked="" type="checkbox"/> Water Requirement Details		
<input checked="" type="checkbox"/> Recycled Water Usage		
<input checked="" type="checkbox"/> Groundwater Abstraction Structure- Existing		
<input checked="" type="checkbox"/> Groundwater Abstraction Structure- Proposed		
<input checked="" type="checkbox"/> Other Details		
<input checked="" type="checkbox"/> Self Declaration		
<input checked="" type="checkbox"/> Attachment		
<input checked="" type="checkbox"/> Final Submit		
		Print Application
		Your Application Submitted Successfully.Your Application Detail are :
		Application Number : 21-4/301/MH/IND/2015 Name of Industry : bbbbbb Submitted Date : 23/04/2015 Net Ground Water Requirement : 117.00
	Please note your application number for future reference.	
	<u>This e-application will be processed only after receipt of printed form duly signed by the applicant along with all relevant enclosures at the Regional Director within seven (7) days of uploading completed application online. Please send your applicaiton to given address below.</u>	
	Central Ground Water Board Central Region N.S. Building Civil Lines NAGPUR MAHARASHTRA PinCode : 440001	

e. Application number will be generated after the successful submission of the Application form.



- f. Applicant can view the submitted Application Form.
- g. Applicant can take printout of the submitted Application Form.
- h. Application once submitted cannot be edited.
- i. After taking printout of the submitted application, applicant has to fill the following information about processing charge payment.

Demand Draft Details:

D.D. No. :

Dated:

Bank Name:

Amount (Rs.)

j. Printout of the application needs to be duly attested/ signed by the applicant / authorized representative. This application along with the Application Number, Original copy of the all the attachments and Demand Draft for processing fee should be submitted to the concerned Regional Director of CGWB as per the address given in the print out of the online submitted application immediately, but not later than 7 days. Submission of printout within 7 days of uploading of the application is mandatory for processing of application.



Tracking of Status of the Application submitted Online.

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The screenshot displays the CGWA website's header with the Government of India emblem and the text: "Government of India, Central Ground Water Authority, Ministry of Water Resources, River Development and Ganga Rejuvenation". The main heading is "Application for Issue of NOC to Abstract Ground Water". A navigation bar includes "Home", "Guidelines", "Download Forms", and "Contact Us". The main content area features a "WELCOME (Beta Version)*" message and a warning: "*** CHECK ELIGIBILITY BEFORE PROCEEDING ***". A paragraph explains that CGWA was constituted under the Environment (Protection) Act, 1986. A sidebar on the right contains buttons for "Check Eligibility", "Online Application for NOC", "Track your Application" (highlighted in red), "Online Tracking", and "Departmental User". Below the main text are two columns: "Directories" (CGWA Headquarter, Regional Offices of Central Ground Water Board) and "User Assistance" (Guidelines, States not Regulated by CGWA, Categorization of Assessment Units, Exemption from NOC to Abstract, Check List & Document Required).

- Select the Link Track your Application.
- Applicant has to login first.
- Select Applicant Home link



Information

Guidelines
Steps for Filling Online Application

Documents Required

Documents Required for Online Application

- ▶ Industrial
- ▶ Infrastructure
- ▶ Mining

Track Status

Industrial Infrastructure Mining

New- Submitted

Application Code	Name Of Industry	Application Number	Status	Letter	Scan Letter
1	aaaaaaa	21-4/300/MH/IND/2015	View Print		

New- Save As Draft

d. Select the link **view** in the Status Column for the required application number.



Information

[Guidelines](#)
[Steps for Filling Online Application](#)

Documents Required

[Documents Required for Online Application](#)

- [▶ Industrial](#)
- [▶ Infrastructure](#)
- [▶ Mining](#)

Application Status

Application No : 21-4/300/MH/IND/2015
Name of Industry : aaaaaaa
Current Stage : Verification Stage
Current Status : In Progress
Receive Date : 23/04/2015

Address :
Central Ground Water Board Central Region
N.S. Building Civil Lines
NAGPUR
MAHARASHTRA

Refer Back 0 - Present

e. View the Status of the Submitted Application.

4. Applicant Logout

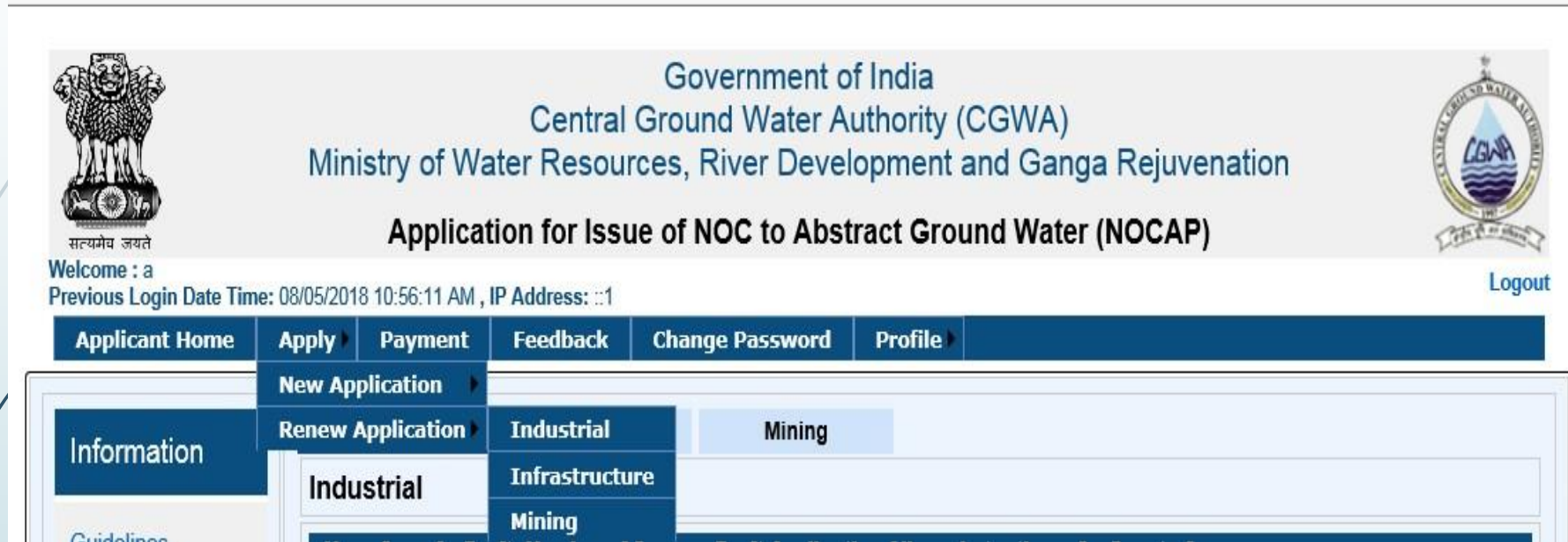
a. Select logout.



C. Steps for Applying Renewal of NOC

This is applicable to those, who have got NOC from CGWA and their renewal is due. They can apply for renewal of NOC in 90 days advance till the expiration of NOC. After expiry of NOC no one can apply for renewal. In that case the applicant will apply for fresh (new) NOC.

1. Go to Apply -> Renew Application and select Industry / Infrastructure / Mining.



The screenshot displays the official website of the Central Ground Water Authority (CGWA), Government of India. The page title is 'Application for Issue of NOC to Abstract Ground Water (NOCAP)'. The navigation menu includes 'Applicant Home', 'Apply', 'Payment', 'Feedback', 'Change Password', and 'Profile'. The 'Apply' menu is expanded, showing 'New Application' and 'Renew Application'. Under 'Renew Application', there are three sub-menus: 'Industrial', 'Infrastructure', and 'Mining', with 'Mining' currently selected.

2. A list will be displayed for which NOC is due for Renewal.





सत्यमेव जयते

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



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

Welcome : a

Previous Login Date Time: 06/09/2017 08:59:06 AM , IP Address: 10.1.14.131

Logout

[Applicant Home](#)

[Apply](#)

[Feedback](#)

[Change Password](#)

[Profile](#)

Industrial Renew- List of Application Eligible for Renew

On Click Apply it will get saved in Renew Save As Draft in "Applicant Home"

Sr. No.	Name of Industry	Application Number	NOC-Number	Renew
1	TEJINDER1	21-4/50/SK/IND/2017	CGWA/NOC/IND/ORIG /2017/2109 (21/09/2015 - 20/09/2017)	Apply

3. Click **Apply** link button under Renew Column. A Screen given below will appear



Location Details	
Communication Address	
Existing NOC Details	
Water Requirement Details	
Recycled Water Usage	
Groundwater Abstraction Structure- Existing	
Groundwater Abstraction Structure- Additional	
Compliance Conditions in the NOC	
Compliance Conditions in the NOC - Other	
Other Details	
Self Declaration	
Attachment	
Final Submit	

RENEW - INDUSTRIAL USE: 1. General Information- Location Details	
(**)- Mandatory Fields, (\$) - Upload Attachments in Attachment Section	
(1). General Information:	
Water Quality Type : *	Fresh Water
Application Type Category / Type of Application: *	Agro Base Food Products
(i) Name of Industry Existing:	TEJINDER1
(ii) Location Details of the Industrial Unit	
Address Line 1: *	SD
Address Line 2:	
Address Line 3:	
State: *	SIKKIM
District: *	EAST DISTRICT
Sub-District: *	PAKYONG
Village / Town: *	Village
Village:*	Pacheykhani (Dikling)
Town: *	
Purpose of Renewal: *	<input type="radio"/> Existing Ground Water <input type="radio"/> Existing with Additional Ground Water Requirement
<input type="button" value="Save as Draft"/> <input type="button" value="Next >>"/>	

4. One may complete all steps and submit the form, but If one do not Complete all forms in one attempt and exit, It will be available in **Renew – Save as Draft** Panel on Applicant home.

Save As Draft feature is available just like applying for new NOC.





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

Welcome : a

Previous Login Date Time: 06/09/2017 11:16:54 AM , IP Address: 10.1.14.131

[Logout](#)

[Applicant Home](#)

[Apply](#)

[Feedback](#)

[Change Password](#)

[Profile](#)

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](#)

Industrial

Infrastructure

Mining

Industrial

**New- Save As Draft (Number of Save as Draft Application Allowed at a time : 3)
(Validity of Save as Draft Application : 2 Month(s))**

Sr. No.	Name of Industry	Created Date
There is No Save As Draft Application.		

Renew- Save As Draft

Sr. No.	Name of Industry	Application Number	Existing NOC	Renewal	Created Date	
1	ANIL PROJECT	21-4/27/SK/IND/2015	CGWA/NOC/IND/ORIG/2016/2100 (26/10/2016 - 25/10/2018)	1st	28 Oct 2016	Edit
2	AJA1	21-4/27/SK/IND/2015	CGWA/NOC/IND/ORIG/2016/2100 (26/10/2016 - 25/10/2018)	1st	28 Oct 2016	Edit
3	TEST	21-4/112/UP/IND/2015	CGWA/NOC/IND/ORIG/2015/1991 (01/10/2015 - 02/10/2015)	1st	01 Sep 2017	Edit

Submitted : (Count : 73)

Sr. No.	Name of Industry	Application Number	Status		Digital Signed Letter	Scan Letter	NOC-Number	Apply Type	Renewal
1	CEMENTINDUSTRY	21-4/1 /SK/IND/2015	View	Print	Regret Letter	Scan Letter		Online	

5. After final submission of application form for Renewal of NOC, **Detail** link will be available under **Renewal** column in Submitted Application list.



Sr. No.	Name of Industry	Application Number	Status		Digital Signed Letter	Scan Letter	NOC-Number	Apply Type	Renewal
1	CEMENTINDUSTRY	21-4/1/SK/IND/2015	View	Print	Regret Letter	Scan Letter		Online	
2	CEMENTINDUSTRYTEST	21-4/2/SK/IND/2015	View	Print				Online	
3	CEMENTINDUSTRYEXEM	21-4/3/SK/IND/2015		Print				Online	
4	CEMENTINDUSTRYEXEM	21-4/4/SK/IND/2015	View	Print				Online	
57	AA	21-4/26/SK/IND/2015		Print				Online	
58	Anil Project	21-4/27/SK/IND/2015	(Approved) View	Print			CGWA/NOC/IND/ORIG/2016/2100	Online	Detail
59	SDFG	21-4/28/SK/IND/2015	(In Process) View	Print				Online	
60	AAAA-ANIL	21-4/31/SK/IND/2015	(In Process) View	Print				Online	
61	TESTING	21-4/32/SK/IND/2015	(In Process)	Print			CGWA/NOC/IND/ORIG/2015/1990	Archival	
62	NAME OF IND	21-4/32/SK/IND/2015	(Exempted)	Print				Online	
63	TEST	21-4/112/UP/IND/2015	(Approved)	Print			CGWA/NOC/IND/ORIG/2015/1991	Archival	

6. For seeing the details of Renewal, Click on **Detail** link button under **Renewal** Column. A screen will appear as given below.





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

Welcome : a

Previous Login Date Time: 13/09/2017 11:44:59 AM , IP Address: 10.1.14.131

[Logout](#)

[Applicant Home](#)

[Apply](#)

[Feedback](#)

[Change Password](#)

[Profile](#)

Information

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Documents Required

[Documents Required for Online Application](#)

- [▶ Industrial](#)
- [▶ Infrastructure](#)
- [▶ Mining](#)

Track Status

[Application Status](#)

- [▶ Online](#)

Location

[Area Type](#)

Application Detail

Application No : 21-4/36/SK/IND/2017

Name of Industry : SUMMER

Renew 1st - Present

Existing NOC	Status		Digital Signed Letter	Scan Letter	Issued NOC	Submitted Date
CGWA/NOC/IND/ORIG/2017/2103 (03/10/2015 - 02/10/2017)	Approved View	Print			CGWA/NOC/IND/REN/1/2017/55556	13 Sep 2017

[Go Back](#)

7. One can see **Status** and download NOC for their Application for renewal of NOC.





Thanking You

