

CENTRAL GROUND WATER AUTHORITY
(Constituted under section 3 (3) of the Environment (Protection) Act, 1986)

APPLICATION FOR PERMISSION TO DEWATER GROUNDWATER FOR MINING INDUSTRY

1	General Information	Open cast Limestone mine with production capacity of 0.15 MTPA
2	Name of the Mine/project:	M/s XYZ Ltd.,
3	Location details: (attach site plan, approved mining plan, toposketch of the surroundings 10 km radius out side)	Attached, Annexure-1
	Village/Town	Ramgarh
	Block/Mandal:	Rampur Baghelan
	Tehsil/Taluka:	Kotar
	District:	Satna
	State:	Madhya Pradesh
4	Communication address: i. Complete Postal Address ii. Phone / Mobile No. III. E-mail address: iv. Fax No	Flat No. 123, Industrial Area, Bhopal, Madhya Pradesh 9911111111 xyz@gmail.com
5	Salient features of the activity:	Mining of 0.15 MTPA per annum of limestone
6	Land use details of the surroundings (km 10 radius –outside)	Out of the total land in study area the percentage of irrigated land is 30% unirrigated land is 50%, wasteland is 15% forest land is 10% and land not fit for cultivation is 5%
7	Land use details of the project area	
	Total land area: (sq m)	260000
	Rooftop area of buildings/sheds: (sq m)	2280
	Road/paved area: (sq m)	500
	Green belt area: (sq m)	1500
	Open land: (sq m)	50000
	Ownership of the land: (Enclose documents of ownership/lease)	M/s XYZ Ltd.,
8	Topography of the area:	
	(a) Regional	Topography is generally flat and elevation of ground varies from 219 m above msl near Chorhata to 174 m above msl near Pipracha. The slope of ground is towards north and north-west
	(b) Project area	Topography is generally flat and elevation of ground varies from 229 m above msl near Chorhata to 194 m above msl near Pipracha. The slope of ground

		is towards north and north-west
9	Drainage in the area (River/ nala, etc):	
	(a) Regional	There is well defined drainage system having dendritic drainage pattern. Some seasonal nallas forming dendritic pattern are present which drain the rain water in north direction
	(b) Project area	Within the project area only few streams of first order and second order originate.
10	Source of availability of surface water- furnish details	Sai River- 1.5 Km – SW Tripti River – 2.5 Km NW
11	Average Annual rainfall in the area: mm	800
12	Townships/villages within 10 km radius of the project:	Location plan enclosed

13	Whether the groundwater table will be intersected by the activity-if so	
	(a) At what depth (m bgl)	Pre-monsoon Post-monsoon
	Minimum	15.00 10.00
	Maximum	20.00 15.00
	(b) Maximum depth proposed to dewater (m bgl)	55
	(c) Groundwater flow direction (attach map)	Ground water flow direction is from south-east to north-west
	(d) Any Other information	
14	Total Water Requirement for various purpose to be mentioned – use -wise	Drinking – 6 m³/day, Dust Suppression- 60 m³/day, Mine operation- 10 m³/day, Green Belt- 10 m³/day, Total- 86 m³/day
15	Quantum of groundwater proposed to be pumped out from mine	M³/day 90 M³/year 27000
	a. Type of structure (TW/BW/DW/DCB/etc.)	Open cast pits
	b. Dimension of Structure	
	c. Number of pumps proposed to installed	2
	d. HP of the pumps	50
	e. Operational hours/day	5
	f. Operational days/year	300
16	Proposed utilization of pumped water (please attach details)	Details enclosed Annexure-2
	a. Water Supply	
	b. Agriculture	✓
	c. Green belt development	✓
	d. Suppression of dust	✓
	e. Recharge	
	f. Any other item	
	1.	
	2.	
	3.	
17	Monitoring of groundwater regime (attach	Attached

map and details)	
a. Location details of the wells /Piezometers (Latitude, Longitude, Reduced Level)	Details given in Hydrogeological report Annexure-3
b. Number of wells/ Piezometers monitored at present	Details given in Hydrogeological report Annexure-3
c. Attach details of GW level of Observation wells/ Piezometers (at least for One Year)	Details given in Hydrogeological report Annexure-3
d. Number of wells/ Piezometers proposed to monitor	10-15 piezometers
e. Number of Piezometers proposed to construct in the surroundings	3
f. General Quality of GW in the area & surroundings (attach reports)	Potable
g. Any other item	

18. Whether it is proposed to pump/ pumping groundwater outside the mine pit for domestic or other uses (if so; give details)

Details of existing and/or proposed groundwater abstraction structures:

Particulars	Existing structure	Proposed structure
Number of structure	Nil	01
Type of structure (dug well, tube well, bore well, dug cum bore well)		Borewell
Year of construction		2015
Depth (meter)		60
Diameter (mm)		150
Depth to water level (meters below ground level)		22-32
Discharge (m ³ /hour)		6
Operational hours/day		5
Operational days/year		300
Mode of lift and Horse Power of pump		5
Whether fitted with water meter or not		Will be fitted after getting approval
Whether permission/ registered with CGWA, if so details thereof		

19. Groundwater availability report (please enclose a comprehensive report/note on groundwater condition and groundwater quality in and around 5 km of the area) **Annexure -3**

20. Details of rainwater harvesting and artificial recharge measures for groundwater recharge in the area. If the firm has proposed to take up rainwater harvesting and recharge outside the premises, then provide NOC from the concern authority/agency where the harvesting measures are proposed, if already implemented, details may be furnished. (Attach report on comprehensive & feasible Rainwater harvesting/recharge proposal). **Annexure-4**

21. Attach copy of referral letter seeking NOC from CGWA from authorized Central /State agencies. **Annexure-5**

22. Have you applied earlier for the same purpose with CGWA/SGWA, if so, give details thereof with status: **No**

Undertaking

It is to certify that the details and information furnished above are true to the best of my knowledge and belief and I am aware that if any part of the data/information submitted is found to be false or misleading at any stage the application will be rejected out rightly.

Name & Signature of the applicant*
(With official seal)

Date: **1.1.2015**

Place: **Bhopal, Madhya Pradesh**

* In case signed by any authorized signatory, the details of the signatory with the authorization shall be enclosed.

- *Application Proforma is subject to modification from time to time.*
- *Application in duplicate should be submitted either to the **Member Secretary, Central Ground Water Authority, West Block 2, Wing 3, R K Puram, Sector 1, New Delhi 110066** or to the **Regional Director, Central Ground Water Board of concerned State.***
 - ***Incomplete/ partially filled applications would be rejected summarily.***