



Maratha Vidya Prasarak Samaj's,
Arts, Science & Commerce College, Ozar (MIG)
Tal. Niphad, Dist. Nashik - 422206

A Course in Environmental Awareness
Project Work- 2017-18

CERTIFICATE

This is to certify that Miss./Mr. Yawalkar komal Rajesh of
S.Y.B.A/ B.Com./ B.Sc. class Roll No. 96 has completed field
work & Project report under '*A Course in Environmental Awareness*'
during the academic year 2017-18.

Date: 24-02-2018

Place: Ozar (MIG)

A.M.B.
Prof. A.M.Bhagare
Guide Teacher



S.V.P.
Dr. S. V. Patil
Principal

Arts Science and Commerce College
Ozar(Mig), Dist. Nashik-422 206

MARATHA VIDYA PRASARAK SAMAJ'S
ARTS, SCIENCE & COMMERCE
COLLEGE OZAR (MIG).

Tal :- Niphad Dist :- Nashik.

PROJECT NAME :- Environmental Study
OF Agriculture of my Village,
OZAR (MIG).

Name - Yawalkar Komol Rajesh .

class - S.Y. Bsc .

Roll No - 100



Subject - Environmental Study of Agriculture of my Village Ozar (MIG).

- Points -
- a) Geographical location and History of the Village
 - b) Total population of village.
Male %.
Female %.
children %.
 - c) Occupations in the village:
 - d) Transportation system in the village:
 - e) Total area of Village:
 - f) i) Total area of land able for cultivation.
ii) Barren Land:
 - g) Water irrigation facilities in the village.
 - h) Crops in Village.
i) Irrigated crops.
ii) Non-irrigated Crops.
 - i) Types and percentage of horticulture.
 - j) Types of pesticides and chemical fertilizers used in crops:
 - k) Observed side effects of pesticides and chemical fertilizers on agriculture ecosystem and human health.
 - l) Agriculture food processing business (industry) if any and its effect on environment.
 - m) possible measures against environmental hazards.



Basic information of Ozar (Mig).

Locality Name	Ozar Mig
Taluka	Niphad
District	Nashik
State	Maharashtra
Region	Khandesh, Northern Maharashtra
Division	Nashik
Language	Marathi, Hindi, Abirani
Std No.	02550
PIN Code	422206



A] Geographical Location And History OF the Village.

Ozar is a village on the Bombay - Agra national highway some 18 km east of Nashik city. Around 1961, when the government of India set up air force station and the MIG aircraft factory at ozar and this small village, started developing.

proximity to Nashik city is another salient feature of this village, ozar itself is a market place for small villages nearby. Nashik district as a whole and ozar in particular is known all over the state and the country as a centre for onion and grape cultivation and marketing. The predominant castes are the Marathas and Malis, other castes in the village include Brahmins, Muslims, scheduled castes and scheduled tribes. The Banganga river flows near the village. An earthen dam on the Banganga river was constructed by late Ahilyabai Holkar, the Marata ruler of Indore some two hundred years ago. The dam is useful even today for storage of water which is mostly used for drinking purposes and some for irrigation.

Small Village near to the ozar (Mig).

Tanori 4 km, Dixi 5 km, Sakhare 6 km, Mohadi 7 km

polities in ozar - BJP, NCP, SHS, are the major.

Colleges: HAL Highschool, M.V.P. School, Z.P. prschool.

Art's, science and commerce College, and HAL College, Vishwastya College are in ozar (Mig).



Bus stop .- Ozar Gaon bus station . or All colonies bus stops are available . Near the Road ,

ATM - SBI , ICICI Bank , Bank of Maharashtra .
cinema theatres - Prabhakar theater .

Temple - Khendero Mandir , Durga devi Temple .

Hospital - R.K. Memorial Hospital .

Shree Sai Hospital .

petrol pump - National Highway Gas station .

Reliance petrol pump .

are all facilities available in the ozar (mig village) .

Ozar Airport :- Ozar airport is located at ozar ,

15 kilometres northeast of the city

of Nashik , Maharashtra India . It is owned by

Hindustan Aeronautics Limited which uses the airport primarily to develop , test and build aircraft for the Indian Armed forces . It is home to a maintenance station of the Indian Air force and also supports wide body commercial cargo services .

Airport type

Public / Military

Owner

Hindustan Aeronautics Limited

Serves

Nashik , Maharashtra , India

Location

Ozar

Elevation AMSL

579m / 1,900ft

Coordinates

20° 07' 10" N 73° 54' 49" E .



B] Total population of Village :-

① Total population	45,770
② Total Male	24,140
③ Total female	21,630
④ Total population (0-6 Age Group)	5,181
⑤ Total male (0-6 Age group)	2,794
⑥ Total female (0-6 Age Group)	2,387
⑦ Total Literates	45,770
⑧ Total Male literates	24,140
⑨ Total female Literates	21,630

C] Occupations in the Village :-

① Assistant Manager

iRecon software and services - Nashik Maharashtra
5+ years of experience.



② Jr. Education Counselor BA, B.com, Bsc.
client of impact HRnKM Solutions Nashik
Maharashtra.

D] Transportation System in the Village -

City Bus transportation - In ozar the bus service started in 1979 with 25 buses,

<u>Sr. No</u>	<u>Made of transport</u>	<u>% share Passengers</u>
1.	City Bus	20.08
2.	Auto Rickshaw	28.90
3.	Pedestrians	09.60
4.	Bicycles	05.90
5.	Two wheelers	25.09
6.	four wheelers	09.60

Nashik - ozar - Mumbai - This is 188 km and very famous road to transporatations.

E] Total area of Village :-



Ozar is a village on the Bombay Agra national highway some 18 km east of Nashik city. the government of india set up air force station & the mig aircraft factory at ozar. ozar has got all morden infrastructural facilities.

F] 1) Total area of land able for cultivation :-

The area under the cultivation of table grapes for export has increased by 5.92% to 13,900 hectares for the grape export season January - April, from last year. The agriculture department is eyeing exports of 50,000 metric tonnes of grapes during the upcoming grape season. Last season 48,465 metric tonnes of grapes were exported from Nashik district.



Grapes :- Transport to Nashik to ozar and other cities

Other crop is onion :- Niphad Co-operative Sugar factory onions consist of a major crop in ozar it is widely grown in the Niphad Taluka



G] Water irrigation facilities in the Village.

Water Quota (as Per the Agreement).

Society's name	Area cca ha.	Kharif (Water in thousand cubic metre)	Rabi (Water in thousand cubic metre)	Total Water (Water in thousand cubic metre)
① Banganga	216	424	538	982
② Mhatma Phule	340	440	1016	1456
Total	556	864	1544	2438

H] Crops in Village.

i) Irrigated crops :- Except ozar and some other towns agriculture had been the main business of the ozar mig. with the growing irrigated facilities and projects and the economy ozar was getting groomed on agriculture base. Many cash crop like sugarcane, grapes, wheat, vegetables and ~~other~~ crops planted on large scale.

Irrigation is the application of controlled amount of water to plants at needed intervals. Irrigation helps grow agricultural crops maintain lands capes and ~~re~~vegetate disturbed soils in dry during periods of inadequate rainfall irrigation also has other uses of crop production.



I) Types and percentage of Horticulture:-

By tradition, horticulture deals with gardens crops such as fruits, nuts, vegetables, culinary herbs and species beverage crops and medicinal or ornamental plants.

When was grown on 1.31 lakh has of 2013 accounting 14.1% of gross cropped area, Nashik an ~~ozar~~ has a traditional onion producer and trading market.



J) Types of pesticides and chemical fertilizers used in crops:-

Fertilizers are compounds that are added to plant to promote growth, there are two types of fertilizers, organic and inorganic. Organic fertilizers are carbon based and are composed of organic matter



like leaves, cow dung and parts of plants inorganic fertilizers contains, simple inorganic chemicals. Some of the common nutrients present in fertilizers are nitrogen (N) phosphorus (P) and potassium (K) (NPK). Basically a pesticide is a substance or mixture of substance designed for preventing, repelling or lessening the damage of a pest.

k] Observed side effects of pesticides and chemical fertilizers on agriculture ecosystem and human health.

The benefits of using fertilizers and pesticides to keep crops healthy are the driving force behind the widespread use of these treatments curtailing blights, disease, insects and malnourishment. Fertilizers and pesticides help maximize the food stocks gain from each acre of field agriculture. Those who use fertilizers and pesticides are at increased risk of direct exposure to harmful chemicals and vapors.



L) Agriculture food processing business (industry) if any and its effect on environment.

Food processing is the transformation of cooked ingredients by physical or chemical means into food or of food into other forms. Food processing combines raw food ingredients to produce ~~envir~~ marketable food products that can be easily prepared and served by the consumer. Food processing dates back to the prehistoric ages when crude processing incorporated fermenting, sun drying (preserving with salt and various types of cooking such basic food processing involved chemical enzymatic changes to the basic structure of food in its natural form as well served to build a barrier against surface microbial activity that caused rapid decay.

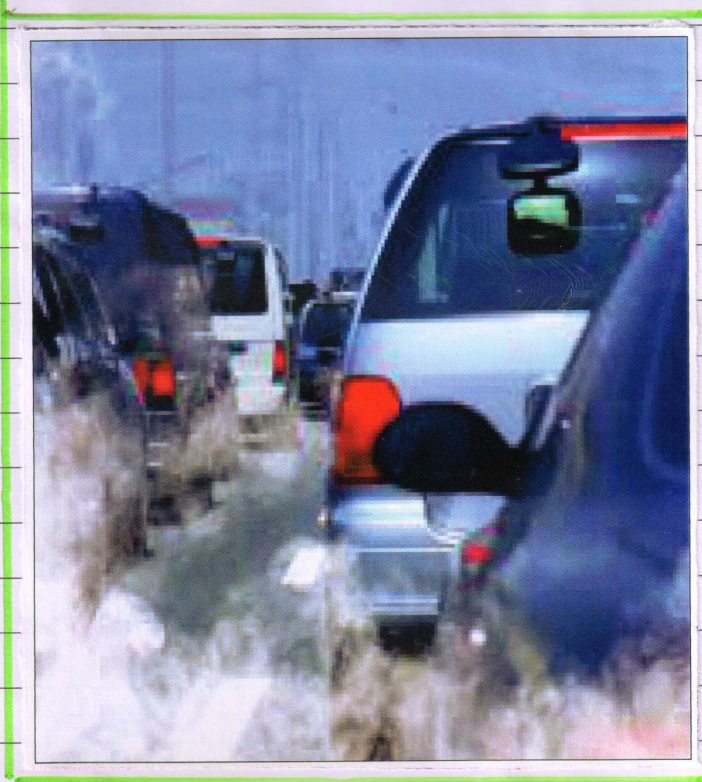
M) Possible measures against environmental hazards.

Pollution in ozar :

Air pollution	38.39
Drinking water pollution & Inaccessibility	42.31
Dissatisfaction with Garbage Disposal	64.00
Dirty & untidy.	61.00
Noise, and untidy.	60.87
Noise and light pollution	58.60
Water pollution	68.75



Air pollutions :-



The pollution of our environment is one of the biggest hazards that humanity faces today. Air pollution has worsened the health in the village of both developed and developing countries. The health impacts in developing world have driven by population growth industrialization and increased vehicle use. The combustion of fossil fuel and their products are responsible for a sizeable amount of anthropogenic air pollution and this problems is particularly acute in the village area. According to World Health Organization (WHO) "air pollution is defined as limited to situation in which the outdoor ambient atmosphere contains materials

in concentration which are harmful to man and his surrounding environment.

Water System :-

Item	Design Period in Years
storage by dams	50
Infiltration Works	30
i) Pump house (civil works)	30
ii) Electric motors and pumps	15
Water Treatment units.	15
Raw water & Clear water	30
Clear water reservoirs ESR & GSR	15
Distribution system.	30

Sound pollution :- Noise by definition is unwanted sound

Noise pollution can be defined as unwanted sounds that unreasonably intrude into our daily activities sound which pleases the ears, is music and that which cause pain and annoyance is noise.

The major adverse effects of noise on human beings and environment is a physiological features like breathing amplitude, blood pressure, Heartbeat rate, pulse rate & blood cholesterol amplitude are affected. Noise emitted of our modern way every source in the environment is an undesirable by product of our modern way of life.

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