

Model Program Book
**COMMUNITY
SERVICE
PROJECT**



Designed & Developed by



**ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION**

(A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH)

**SURVEY ON WATER POLLUTION USED BY PEOPLE AT NTR
COLONY AND PORT AREAS**

BY

YENNI.HARIKRISHNA

REGD.NO:: 720130805088



Estd : 1860

**PROJECT WORK SUBMITTED TO MRS. A.V.N COLLEGE,
AFFILIATED TO ANDHRA UNIVERSITY, VISAKHAPATNAM FOR
THE PARTIAL FULFILMENT OF DEGREE OF
BACHELOR OF SCIENCE**

2020 – 2023

MRS. A.V.N COLLEGE



Estd : 1860


VISAKHAPATNAM – 530001

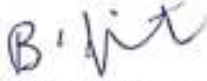
ANDHRA PRADESH

CERTIFICATE

This is to certify that project entitled as "Survey of screening report on Water pollution at Port area" is Bonfide work done by **YENNI.HARIKRISHNA**

(Regd.no::720130805088 , BSc – M.P.C student under my guidance. I certify that the project work done by him/her is original and has not been submitted to any other information.


(M. SimhadriNaidu)
PRINCIPAL
Mrs. A.V.N. COLLEGE
VISAKHAPATNAM


(B.Veenitha)

MENTOR

DECLARATION

I, **YENNI.HARIKRISHNA** Student of BSc – M.P.C, Mrs. A.V.N College, affiliated to Andhra University here by declared that this project entitled “**Survey on Screening report of WATER POLLUTION at PORT area**” is a genuine work carried out by me under the guidance of **MSS.B.VEENITHA** lecturer in Chemistry, MRs A.V.N College, Visakhapatnam, Andhra Pradesh. Furthermore, this project work was not submitted to any other institution or University for awarding any Degree.

DATE:

PLACE: Visakhapatnam

Y. Havikrishna
Name & Signature of the

student
Y. Havikrishna

PROGRAM BOOK FOR COMMUNITY SERVICE PROJECT

Name of the Student: YENNI HARIKRISHNA

Name of the College: MYS A.V.N college.

Registration Number: 720130805088

Period of CSP: From: 12-09-2021 To: 12-11-2022

Name & Address of the Community / Habitation

Andhra

University

YEAR

Instructions to Students for Community Service Project

Please read the detailed Guidelines on Community Service Project hosted on the website of AP State Council of Higher Education <https://apsche.ap.gov.in>

Link:

<https://apsche.ap.gov.in/Pdf/Guidelines%20for%20the%20OJT%20Internship%20Community%20Service%20Project.pdf>

1. It is mandatory for all the students to complete 2 months (180 hours) of Community Service Project as a part of the 10-month mandatory internship/on the job training.
2. Consider yourself a committed volunteer in the community, you work with.
3. Every student should identify the village/community/habitation for Community Service Project (CSP) in consultation with the College Principal/the authorized person nominated by the Principal.
4. Report to the community/habitation as per the schedule given by the College. You must make your own arrangements for transportation to reach the community/habitation.
5. You will be assigned a Faculty Guide from your College. He/She will be creating a WhatsApp group with your fellow volunteers. Post your daily activity done and/or any difficulty you encounter during the programme.
6. You should maintain punctuality in attending the CSP. Daily attendance is compulsory.
7. You are expected to learn about the community/habitation and their problems.
8. Know the leaders and the officials of the community/habitation.
9. While in the project, always wear your College Identity Card.
10. If your College has a prescribed dress as uniform, wear the uniform daily.
11. Identify at least five learning objectives in consultation with your Faculty Guide. These learning objectives can address:
 - Information about the community, including the realities and

problems of the society.

- Need for creating awareness on socially relevant aspects/programs.
 - Acquiring specific Life Skills.
 - Learning areas of application of knowledge and technologies related to your discipline.
 - Identifying developmental needs of the community/habitation.
12. Practice professional communication skills with team members, and with the leaders and officials of the community. This includes expressing thoughts and ideas effectively through oral, written, and non-verbal communication, and utilizing listening skills.
 13. **Be regular in filling up your Program Book. It shall be filled up in your own handwriting. Add additional sheets wherever necessary.**
 14. At the end of Community Service Project, you shall be evaluated by the person in-charge of the community/habitation to whom you report to.
 15. There shall also be an evaluation at the end of the community service by the Faculty Guide and the Principal.
 16. Do not indulge in any political activities.
 17. Ensure that you do not cause any disturbance to the inhabitants or households during your interaction or collection of data.
 18. Be cordial but not too intimate with the people you come across during your service activities.
 19. You should understand that during this activity, you are the ambassador of your College, and your behavior during the community service programme is of utmost importance.
 20. If you are involved in any discipline related issues, you will be withdrawn from the programme immediately and disciplinary action shall be initiated.
 21. Do not forget to keep up your family pride and prestige of your College.
 22. Remember that you are rendering valuable service to the society and your role in the community development will become part of the history of the community.

Community Service Project Report

Submitted in accordance with the requirement for the degree of... B.Sc...

Name of the College: Mrs A.V.N college

Department: chemistry

Name of the Faculty Guide: B. vineetha

Duration of the CSP: From 12-9-2022 To 12-11-2022

Name of the Student: YENNI . HARIKRISHNA

Programme of Study: water pollution

Year of Study: 2020-2023

Register Number: 720130805088

Date of Submission:

Student's Declaration

I, Y. Havikrishna a student of M.P.C Program,
Reg. No. 720130805088 of the Department of chemistry,
MYS AV-N college College do hereby declare that I have completed
the mandatory community service from 12-09-2022 to 12-11-2022 in
port area (Name of the Community/Habitation) under the Faculty
Guideship of B. vineetha (Name of the Faculty Guide), Department
of English in AV-N College

Y. Havikrishna
(Signature and Date)

Endorsements

B. vit
Faculty Guide

[Signature]
Head of the Department

[Signature]
Principal

PRINCIPAL
Mrs. A. S. N. COLLEGE
VISAKHAPATNAM

Certificate from Official of the Community

This is to certify that Y. Harikrishna (Name of the Community Service Volunteer) Reg. No 720130805070 of Mrs A.V.N college (Name of the College) underwent community service in part area (Name of the Community) from 12-09-2022 to 12-11-2022. The overall performance of the Community Service Volunteer during his/her community service is found to be _____ (Satisfactory/Good).

Authorized Signatory with Date and Seal

Acknowledgements

It is really a matter of pleasure for me to get an opportunity to thank all the persons who contributed directly or indirectly for the successful completion of the project report "A study on WATER POLLUTION".

Also I am thankful to my faculty guide from Mrs. A.V.N. Visakhapatnam, for being a source of support during this training period.

Sing.
Yenni. Harikrishna
(790 130 80 5088).

CHAPTER 1: EXECUTIVE SUMMARY

The community service report shall have only a one-page executive summary. It shall include a brief description of the Community and summary of all the activities done by the student in CSP and five or more learning objectives and outcomes.

The present study "water pollution in N.T.R colony about to list out the part city visakhapatnam which have several types of water pollutions are there. Industrial sites, wastes water would are major contributor to water pollution and also another causes include to water pollution.

The whole colony was divided into 10 quadrates of 700 x 400 meters - The surroundings untreated waste water directly contributes chloramphenicol typhoid, fever and rotavirus.

CHAPTER 2: OVERVIEW OF THE COMMUNITY

About the Community/Village/Habitation including historical profile of the community/habitation, community diversity, traditions, ethics and values.

Brief note on Socio-Economic conditions of the Community/Habitation.

MTR colony is located in Visakhapatnam district in the state of Andhra Pradesh, India.

Water pollution is any chemical or physical change in the quality of water that has a harmful effect on water pollution. Water pollution sources are sewage, domestic waste, mine drainage, modern washing powders and they cause chemical pollution in ground water. Nutrient pollution which includes nitrates and phosphates is a leading type of contamination in fresh water.

CHAPTER 3: COMMUNITY SERVICE PART

Description of the Activities undertaken in the Community during the Community Service Project. This part could end by reflecting on what kind of values, life skills, and technical skills the student acquired.

In this area water pollution degrades the quality of the water in the water bodies.

many disease can spread through waste water cause the disease of fea malaria water.

With increase in the amount of organic waste in water bacteria are up the available

Eigen surface water and ground water are both.







Important sources for community water supply

needs.

waste water directly contributes cholera, typhoid

fever. for water pollution causes some disease

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	visited the study area and divided into colony four divisions	learned about water pollution types.	
Day -2	Identify and tabulated the list of home members.	studied types of pollution wastages	
Day -3	Identify and tabulate the number of members the line 1 and 2	we locate the shortage of water bodies.	
Day -4	Identify and tabulate the colony in line 3 and 4	We observed note of water bodies pollution.	
Day -5	Identify and the numbers list of 5th line	studied water pollution of causes.	
Day -6	studied the abundance of water pollution in what area of intracolony	learned identification of water pollution	

WEEKLY REPORT

WEEK - 1 (From Dt. 19-09-2012 to Dt. 25-09-2012)

Objective of the Activity Done:

Detailed Report:

The waste from home holds factories in agricultural lands gets discharged into rivers and lakes. This waste can either be in the form of liquid waste, garbage and sewage. The harmful chemical coming out of this waste can damage aquatic life.

Not just the aquatic life even when the humans end up drinking polluted water, they make themselves vulnerable to various life threatening illnesses like hepatitis, cholera, typhoid and many other water borne diseases.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	The data obtained in 1st week is tabulated and studied	learned about water pollution in the community area	<i>Phani</i>
Day - 2	using the data and awareness camp has been conducted in the community	learned about how to make a campaign.	<i>Arjun</i>
Day - 3	by the campaign creative awareness about the water pollution	learned about causes of water pollution in area	<i>Prasanna</i>
Day - 4	The campaign has been continued and created awareness on value of pollution	learned about various threats facing by the community in the area.	<i>Shruti</i>
Day - 5	The campaign has been continued and created awareness about the nearby water pollution in area	learned about various threats facing by pollution in community area	<i>Sudh</i>
Day - 6	The campaign has been continued and created awareness about protective measures of plant in the area	learned about protective measures to be taken to reverse the water pollution.	<i>Arjun</i>

WEEKLY REPORT

WEEK - 2 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

The pollution happens when water flowing down streams get contaminated at different points. A river may get polluted by sewage and industrial effluent wastewater goes in the oceans, rivers etc--

In the fact water especially fresh water is one of the most important elements in the world however with increasing levels of water pollution.

The oxygen level in polluted water is lower this causes the death of several organisms. Drinking water should be safe for consumption.

Water is required in the body and depends on several factors including maintaining health.

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	The data obtained 1st and 2nd weeks is Analyzed	learnt about how to prepare A data Analysis	U. B
Day - 2	The analysed data is written on The paper in required manner	learnt about methods of data presentation.	H
Day - 3	The pictures has been collected which were taken during campaign.	learnt about methods of data presentation.	V. Subini
Day - 4	pie charts and tabulated forms were prepared.	learnt about preparation of tabular forms.	T. Chinu
Day - 5	Information obtained is updated in the data report	learnt about information updated in The data request	Januel
Day - 6	The reported data self verified once Again.	learnt about how to prepare. and report data analysed.	Evans

WEEKLY REPORT

WEEK - 3 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

Water pollution is the cause of air
undisciplined action and irresponsibility we
humans are only creating problems
that can sequently water is essential
to our body.

It cause such sickness
and diseases that will body effect
our health let us not destroy it and
pollute it we need and we
should help same air our mother
nature.

The pollution happens when
water flowing down streams get
contaminated at different point water
not only our thirst but also
plays a critical role in keeping us
healthy.

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	The community project report programme book were downloaded and printout has been.	people in shined years using minerals to drink	S. Chandu
Day - 2	The data obtained and prepared literature were entered in the program book.	activities should be created.	P. Sudeep
Day - 3	The pictures taken during project were printed and fixed in the program book.	Awareness should be created in N.T.R colony	S. Seenu
Day - 4	The pictures taken during project were printed and fixed in the program book	people are in N.T.R colony are using filter.	Y. Harsh
Day - 5	The programme book papers are arranged in order and verified once again	peoples are suffering with disease due to drinking.	Hk
Day - 6	The programme book has given for binding work	people are affordable to drink municipal water.	A. K

WEEKLY REPORT

WEEK - 4 (From Dt..... to Dt.....)

Objective of the Activity Done:

Detailed Report:

ground water it is a source of a waters that is under the land surface it is accessible by wells tube wells and hand pumps surface water This type of source is found on the surface of the earth water. it is the major source of water from rain chlorine and chloramine are the major used in public water systems.

safe and readily available drinking water is key to public health community water systems and water safety plans are important ways to ensure the health of a community.

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	few people are drinking mineral water in shivalyam	peoples in N.T.R colony purifying mineral water.	HK
Day -2	Some people are receiving the munciple water	Drinking muncipal water in their area	HK
Day -3	many peoples are affoordable to drink the ground water.	they are affoordable to drink the ground water.	HK
Day -4	Some peoples are suffering with joint pain/ by drinking water	Drinking water	BA
Day -5	many peoples are facing poor water facilities in N.T.R colony	good facilities are should be created	N. B.
Day -6	many peoples are getting the water from outside due to water pollutent	Awareness should be created here N.T.R colony.	

CHAPTER 5: OUTCOMES DESCRIPTION

Details of the Socio-Economic Survey of the Village/Habitation Attach the questionnaire prepared for the survey.

Oxygen - depletion pollution.

Another consequence of algal blooms is their consumption of oxygen supplies. This means that those species which depend upon oxygen to survive are killed off while anaerobic ones thrive. Some anaerobic microorganisms are capable of producing ammonia, sulphides and other harmful toxins, which can make the water even more dangerous to animals and humans too.

Surface water pollution.

Referring to all water sources above ground, such as rivers, lakes, seas and oceans surface water pollution can occur both naturally, accidental and intentionally.

Describe the problems you have identified in the community

- ⇒ N.T.R colony is rich in water resources have several benefits. Values most of the people in the area don't know their values:
- ⇒ Due to this they are refusing to protect them
- ⇒ The people in this study area losing several valuable resources.
- ⇒ Due to insufficient knowledge the people in the area are refusing to conserve the plants and forested air pure water sources.
- ⇒ In the area of n.t.r colony people's doesn't know the value of water.

Short-term and long-term action plan for possible solutions for the problems identified and that could be recommended to the concerned authorities for implementation.

- Since the water pollution in the studied area are high level and their quantity is being shortage there is a necessity to conserve those types of concerning the water sources.
- ⇒ pick up litter and throw it away in garbage can.
 - ⇒ blow or sweep fertilizer back onto the grass. If it gets onto paved areas, don't put fertilizer on the grass right before a rain. The chemicals will wash into storm drains and water ways.
 - ⇒ mulch or compost grass or yard waste.

Description of the Community awareness programme/s conducted w.r.t the problems and their outcomes.

The whole colony was facing the problem of water pollution. Those people effected of these pollution side effects like malaria and vomiting, typhoid, etc-- some of the people facing calcium deficiency and iron deficiency problem, children's and adults are also facing health issues for water pollution of drinking water.

The solution of these problem are and only awareness about water importance and how to pollution avoid resources, and how to save our water bodies.

Report of the mini-project work done in the related subject w.r.t the habitation/village.

A mini-project work in the related subject w.r.t the habitation/village. (For ex., a student of Botany may do a project on Organic Farming or Horticulture or usage of biofertilizers or biopesticides or effect of the inorganic pesticides, etc. A student of Zoology may do a project on Aquaculture practices or animal husbandry or poultry or health and hygiene or Blood group analysis or survey on the Hypertension or survey on the prevalence of diabetes, etc.

The Report shall be limited to 8-10 pages.

Water pollution:

Water pollution is the contamination of water in water bodies such as rivers, ocean, lakes and swamps, this means that one or more substance have built up in water to extent of causing problems to people, animals and plants.

So whether or not water is considered to be polluted will depend on what that water was going to be used for.

Causes of water pollution :-

There are numerous causes of water pollution. The main ones are listed below. Types of sources.

1. Point source :-

It is directly to be to influence here pollutant travels directly from source to water.

→ Point source are easy to regulate.
→ The main source of water pollution are as follows.

→ Community waste water include discharges from houses, commercial and industrial establishments connects to public sewerage system.

2) Industrial waste :- The industries discharge several inorganic and organic pollution which may have highly toxic to the living beings

3) Agricultural sources :-

→ Fertilizers contain major plant nutrients such as nitrogen, phosphorus and potassium

→ excess fertilizers so many reach the ground water by leaching or may be mixed with surface water of rivers, lakes and ponds by runoff and drainage

→ pesticides include insecticides, fungicides, herbicides, nematocides, rodenticides and soil fumigants they contain a wide range of chemicals such as chlorinated hydrocarbons

4. Underground water pollution :-

⇒ In India at many places, The ground water is threatened with contamination due to seepage from industrial and municipal waste to and effluents, sewage channels and agricultural run off

5) Marine pollution :-

⇒ oceans are the ultimate sink of all natural and manmade pollutants.

⇒ Rivers discharge their pollutants into the sea. The sewerage and garbage of coastal cities are also dumped into the sea.

⑥ wrabbage :- plastics are non-biodegradable
mass plastic clog water bodies and
contaminate water.

7) urbanization :- urbanization is a key factor
in increasing the amounts of water
pollutions.

8) pumping solid waste :- humans after carelessly
dump their trash in the sand near rivers

9) oil spills :- Accidental oil spills have
devastating effect on sea.

10) Dissolved solid wastes :- Human polluting
gases in the air can dissolve into salt
and freshwater and pollute it

Control measures:-

⇒ Riparian purifiers

⇒ Recycle

→ Treatment of sewage water and the industrial effluents should be done before releasing it in water bodies

⇒ Hot water should be cooled before release from the power plants.

⇒ Domestic cleaning in tanks, streams and rivers which supply drinking water should be prohibited.

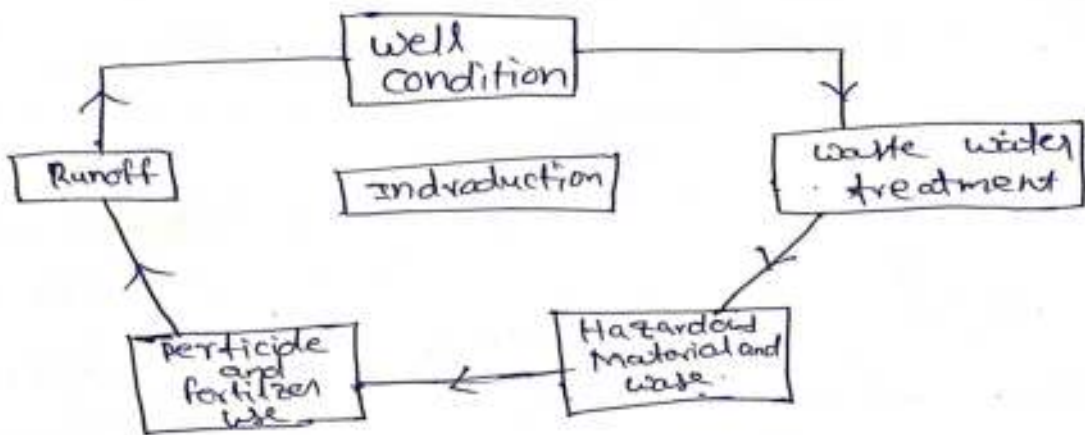
Ground water pollution:-

⇒ Any addition of undesirable substance to groundwater caused by human activities is considered to be contamination it has

after been assumed that contaminants left on a
under the ground will stay here

source of ground water pollution:

- most concern over ground water contamination has centered on pollution associated with human activities.
- Human ground water disposal system land disposal of solid.
- municipal waste water, waste water impoundment, land spreading of sludge brine disposed from the petroleum industry
- mine waste deep-cell herbicides and animal waste are agricultural source of ground.



Student Self-Evaluation for the Community Service Project

Student Name: Yenni Harikrishna

Registration No: 720130805088

Period of CSP: From: To:

Date of Evaluation:

Please rate your performance in the following areas:

Rating Scale: Letter grade of CGPA calculation to be provided

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Date:

Y. Harikrishna
Signature of the Student

Evaluation by the Person in-charge in the Community/Habitation

Student Name: Y. Havikrishna

Registration No: 720130805088

Period of CSP: From: To:

Date of Evaluation:

Name of the Person in-charge:

Address with mobile number: 6302479246 (Manipalam)

Please rate the student's performance in the following areas:

Please note that your evaluation shall be done independent of the Student's self-evaluation

Rating Scale: 1 is lowest and 5 is highest rank

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Date:

Signature of the Supervisor



GPS Map Camera

Visakhapatnam, Andhra Pradesh, India
 Doctor NTR Beach Road Coastal Battery Rd, beside Naval,
 Krishna Nagar, Maharanai Peta, Visakhapatnam, Andhra
 Pradesh 530002, India
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 Long: 83.30548
 09/09/22 04:21 PM GMT+05:30

Temple
 Naval

Google



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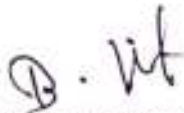
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INTERNAL ASSESSMENT STATEMENT

Name Of the Student: YENNI HARIKRISHNA
Programme of Study: water pollution
Year of Study: 2023
Group: BSc (mpc)
Register No/H.T. No: 720130805088
Name of the College: Mrs. A.V.N. college.
University:

Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	20	
2.	Community Service Project Implementation	30	
3.	Mini Project Work	25	
4.	Oral Presentation	25	
	GRAND TOTAL	100	

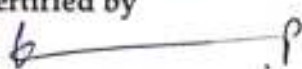
Date:


Signature of the Faculty Guide

Certified by

Date:

Seal:


Signature of the Head of the Department/Principal


PRINCIPAL
Mrs. A.V.N. COLLEGE
VISA KHAPATNAM



ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION

(A Statutory Body of the Government of Andhra Pradesh)

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www.apsche.ap.gov.in