

INDEPENDENT IMPACT ASSESSMENT CYIENT ENVIRONMENTAL INTERVENTIONS FY2024-25



Date: 16-04-2025

To,
CYIENT FOUNDATION,
Plot No:11, Software Units Layout,
Infocity, Hitech City, Madhapur,
Hyderabad, TS - 500081

Subject: Independent Programmatic Evaluation of Cyient Limited., funded Green Energy & Environmental Interventions

KSR EVER Renewable Energy Solutions was commissioned in the financial year 2024-25 to undertake programmatic evaluation of Cyient Limited., funded Green Energy Interventions completed in the financial year 2024-25.

A team of researchers from KSR EVER Renewable Energy Solutions has independently carried out the assessments. The aim was to measure the impact created by Green Energy and Environmental interventions. To this end, the evaluation team assessed each of the schools, community centers and villages panchayathis located across the operating areas of CSR Programs, who had undertaken projects in the areas of environmental preservation, green energy and water conservation initiatives.

The financial reports and administrative data for the evaluations were provided by the Foundation and the respective grantees.

The methodology for the assessments included 4 major components:

- Key informant interviews with relevant persons in each grantee organization
- Project site observations
- Analysis of data related to project implementation and output shared by the grantee;
- And beneficiary surveys for an understanding of end-user perspective.

The information gathered through all the above methods was collated and the findings were triangulated to assess the impact created by the project. The impact reports present key information like grant objective, the impact created, end-user satisfaction, SDG-mapping, and ESG-mapping. The programmatic evaluation of the CSR projects highlights the contributions made towards achieving their outcomes/objectives as well as identifies areas for improvement.

Best Regards,

for KSR EVER

Authorized Signatory

H.NO - 2-2-185/54/6, Somasundar Nagar, Circle 23, Hyderabad – 500013

SPONSORER: CYIENT LIMITED.,



MANGALA
GROUND WATER
CONSULTANCY



INSPECTION STATEMENT ON CSR IMPACT ASSESSMENT:

Cyient Foundation via a request letter to conduct Social Impact Assessments (SIA) of projects / programs / activities for the FY2024-25 one the Environmental Initiatives

Prepared by:

Mangala Ground Water Consultancy

GEO Technologies

KSR EVER

The Objective

Cyient to achieve long-term, holistic development of the community by working on the Environmental Development projects related to Go-Green, Green Energy and Water Conservation.

The overall objective of the study is to evaluate the impacts created by Cyient Foundation Environmental activities.

Specific Objectives:

- *To understand the benefits and challenges of the Go-Green: Plantation Drives*
- *To understand the benefits and challenges of the Water Conservation and Rain Water Harvesting in and around Cyient Schools, Skill Centers and Adopted Villages.*
- *To understand the benefits and challenges of the Green Energy usage in the Cyient Adopted Schools*
- *To identify the gaps in operationalization and implementation.*
- *To recommend corrective measures to strengthen the program and improve the program implementation*
- *Assess the social impact created and recommend for improvements if any*

Methodology:

A qualitative approach was adopted for this study to understand field issues holistically and present them comprehensively in the report. In terms of primary data collection, the team used the following tools

- Key informant interviews (KII): To access the views of the key decision makers and stake holders at the ground / local level*
- Focus Group Discussions (FGD): To understand the beneficiaries perception on the initiative, its benefits and challenges*
- Telephonic Interviews: To understand the views of participants, stakeholders, and Community Members*
- Survey Questionnaire & Written Questionnaire: Take the feedback from the beneficiaries like School Administration, Skill Centre Staff and Community.*



Limitation of the study:

The current assessment study is conducted in Cyient Adopted Schools, Cyient Skill Centers, and Cyient Adopted Villages

The main rationale for any evaluation exercise is to improve the effectiveness and impact of a program by reflecting on how the program is working or not working

vis-à-vis the policy laid down. It endeavors to measure the impact in terms of stated objectives and examines the gap between the intent and outcome of scheme or program. Effective monitoring and evaluation of the program/scheme is a powerful tool for tracking progress and demonstrating the relevance, performance and impact of a given project or a program

Project:

Community Development & Environment

Ensuring Environmental sustainability, ecological balance

Conservation of natural resources and maintaining quality of soil, air & Water

Promoting Sanitation

Project Need:

Environmental Initiatives: Impact of using Solar Power for Cyient Schools: As a renewable source of power, solar energy has a key role in reducing greenhouse gas emissions and mitigating climate change, which is critical to protecting humans, wildlife, and ecosystems. Solar energy can also improve air quality and reduce water use from energy production.

Impact of planting Trees: Tree plantation is very necessary because trees provide oxygen to the environment and make the air quality better. If more trees are planted, then the world's environment will become a safer place to live in. Tree plantation also reduces pollution, thus making the life of future generations secure.

Importance of the Rain Water Harvesting: It provides water when a drought occurs, can help mitigate flooding of low-lying areas, and reduces demand on wells which may enable groundwater levels to be sustained. Rainwater harvesting increases the availability of water during dry seasons by increasing the levels of dried borewells and wells.

48,564 Square Meters of Urban Land developed with Green Cover

In 15 schools developed rain water conservation from schools, community, centers roof top.

Last 5 years over 15,031 KG's of paper waste collected – Wellness out of waste initiative.

Over 15,316 students from Adopted Schools participated in paper waste donation

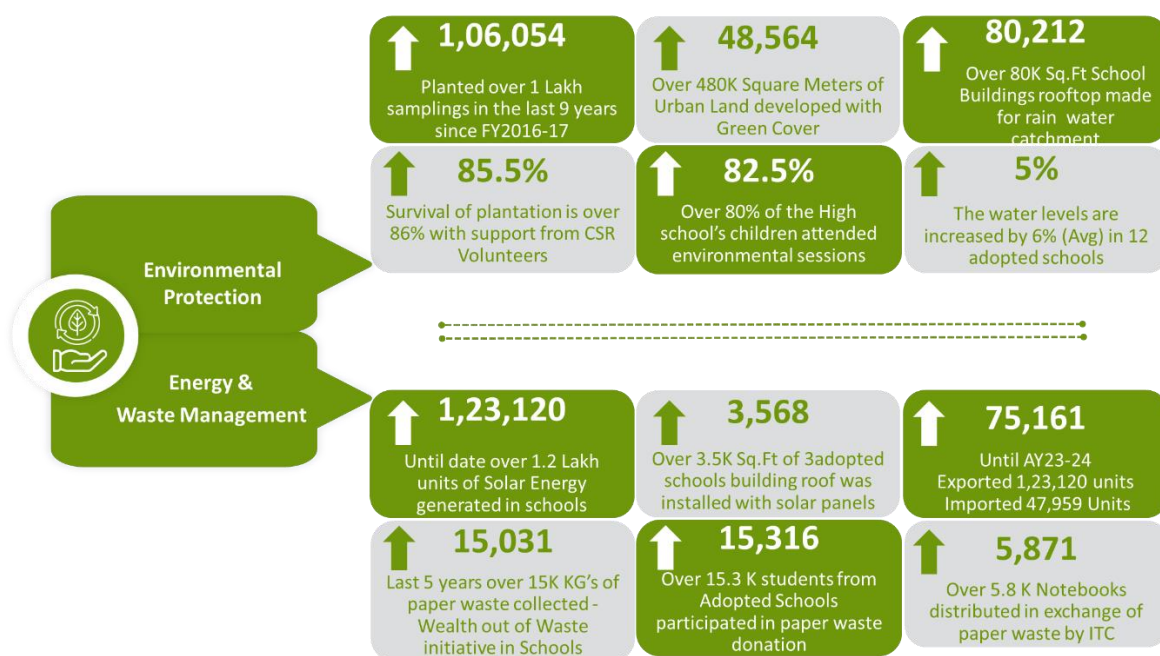
Until AY23-24 Exported 1,23,120 units Imported 47,959 Units and 75,161 potentially saved.

Over 80,212 Sq.Ft School Buildings rooftop made for rain water catchment

PROJECT DESCRIPTION

Cyient is working on the Environmental protection initiatives by planting trees every year since 2016 in and around the Cyient Adopted Schools, Community Centers, Skill Centers and in Urban Forestry Lands.

Cyient Foundation is being responsible to the Environmental Protection by participating in Rainwater Harvesting and Water Conservation initiatives in the communities where it operates. Cyient is developing Rainwater Harvesting Pits and harvesting the rainwater for recharging the ground water levels. The Adopted Schools roof tops are scientifically used to tap the rainwater take it to the ground through pipes and recharge the borewell pits and water harvesting pits.



Energy interventions

Cyient Foundation installed solar panels in three of the school building roofs and started generating Green Energy and the school's energy consumption is green energy and the excess energy generated is distributed to the community needs by putting on to the state government power stations.

School Name	Location	Panels Capacity	Export Units / FY2024-25	Import Units / FY2024-25	Units Saved
MPP & ZPH Schools	Raj Bhavan, Hyderabad	25 KW – 30 KW	11216	5469	5747
MPP & ZPH Schools	Gachibowli, Ranga Reddy	25 KW – 30 KW	32417	10103	22314
MPP & ZPH Schools	Khajaguda, Serilingampally	4 KW – 6 KW	4653	3002	1651
Total			48286	18574	29712

While the government is taking measures to overcome the water crisis, hundreds of citizens and communities across the country are doing their bit by practicing Rainwater Harvesting (RWH).

On average, every school uses around 500-600 liters of water every day for the usage.

Considering annual rainfall is 500 mm:

Type of Buildings	No Of Rooms – Terrace	Classroom size
School Building	50	25 ft X 25 ft & 28 ft X 30 ft
Community Halls	5	82 ft X 90 ft & 50 ft X 60 ft
Panchayathi Office	2	30 ft X 30 ft
Skill Centers	8	109 ft X 102 ft
Total	65	

Environmental Initiatives FY24-25

Water Conservation	- Developed 65 Rainwater Harvesting pits in Adopted Schools – Tapping the rainwater. 80,212 Sq.Ft School Buildings rooftop made for rain water catchment
Go-Green Initiatives	- Until date Planted 106,054 plants with 85.5% survival - This year planted over 15041 plant samplings. 48,564 Square Meters of Urban Land developed with Green Cover
Impact Created	Ground water levels increased by 2 to 3 Feet – Mangala Ground Water Consultancy

Overall Impact Summary

- Energy savings through solar energy
- Rain water harvesting helping the ground water recharge
- Plantation promotes green cover and helps the plant earth in fighting against the GHG

CONCLUSION

Seen year on year progress and suggestions and observations were implemented.

ON SITE VISUALS:



MANGALA GROUND WATER CONSULTANCY

4-19-86, Giri nagar, opp IDPL colony, Hyderabad-500037

Cont no:9849130986

Date : 05-04-2025

To
Cyient Foundation
Plot no.11, Infocity
Madhapur, Hyderabad.

Sub : Water Percentage Developed After Making Harvesting Pits In 2023 In School Premises.

S.No	SCHOOL & ADDRESS	Year 2023 Water Table Percentage Down By	Present Day March 2025 Water Table Percentage Increased To	Ratio Of Percentage of Water Develop After Recharging
01	ZILLA PARISHAD HIGH SCHOOL, NEAR RLY STATION, SERILINGAMPALLY, SERILINGAMPALLY MANDAL, R.R DIST, HYDERBAD	2%	3.5%	1.5%
02	ZILLA PARISHAD HIGH SCHOOL, KHAJAGUDA, SERILINGAMPALLY MANDAL, R.R DIST, HYDERBAD	2%	3%	1%
03	UPPER PRIMARY SCHOOL, KHAJAGUDA, SERILINGAMPALLY MANDAL, R.R DIST, HYDERBAD	2%	4.5%	2.5%
04	UPPER PRIMARY SCHOOL, SHAMSHIGUDA, BALANAGAR MANDAL, MEDCHAL DIST, HYDERABAD	3%	3.5%	0.5%
05	ZILLA PARISHAD HIGH SCHOOL, GACHIBOWLI, SERILINGAMPALLY MANDAL, R.R DIST, HYDERBAD	2.5%	5%	2.5%
06	UPPER PRIMARY SCHOOL, NANAKRAMGUDA, SERILINGAMPALLY MANDAL, R.R DIST, HYDERBAD	1.5%	4%	2.5%
07	ZILLA PARSHAD HIGH SCHOOL, OLD POST OFFICE ROAD, GAFOOR NAGAR, VITAL RAO NAGAR, HI-TECH CITY MADHAPUR, HYDERABD	2%	5%	3%
08	PRIMARY SCHOOL, OLD POST OFFICE ROAD, GAFOOR NAGAR, VITAL RAO NAGAR, HI-TECH CITY MADHAPUR, HYDERABD	5%	6.5%	1.5%
09	ZILLA PARISHAD HIGH SCHOOL, NEAR E-SEVA,MIYAPUR, SERILINGAMPALLY MANDAL, R.R DIST, HYDERBAD	6%	8.5%	2.5%
10	PRIMARY SCHOOL, NEAR E-SEVA,MIYAPUR, SERILINGAMPALLY MANDAL, R.R DIST, HYDERBAD	3%	8%	5%

MANGALA GROUND WATER CONSULTANCY

4-19-86, Giri nagar, opp IDPL colony, Hyderabad-500037

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Date : 05-04-2025

11	ZILLA PARSHID HIGH SCHOOL, SHAMSHIGUDA, BALANAGAR MANDAL, MEDCHAL DIST, HYDERABAD	2%	7%	5%
12	UPPER PRIMARY SCHOOL, GACHIBOWLI, SERILINGAMPALLY MANDAL, R.R DIST, HYDERBAD	4%	9%	5%
13	PRIMARY SCHOOL, RAJBHAVAN SOMAJIGUDA, HYDERABAD	6%	10%	4%
14	GOVT HIGH SCHOOL, RAJBHAVAN SOMAJIGUDA, HYDERABAD	2%	6%	4%
15	ZILLA PARSHID SCHOOL, R.P COLONY, KUKTAPALLY, BALANAGAR MANDAL, MEDCHAL DIST	3.5%	6%	2.5%
16	ZILLA PARSHID SCHOOL, KUKTAPALLY, NEAR BJP OFFICE BALANAGAR MANDAL, MEDCHAL DIST	5%	8%	3%
17	PRIMARY SCHOOL, KUKTAPALLY, NEAR BJP OFFICE BALANAGAR MANDAL, MEDCHAL DIST	2%	5%	3%
18	ZILLA PARSHID HIGH SCHOOL, RAYADURG DARGA, RANGA REDDY DIST, TELANGANA	10%	12.5%	2.5%
19	UPPER PRIMARY SCHOOL, RAYADURG DARGA, RANGA REDDY DIST, TELANGANA	10 %	12.5%	2.5%
20	PRIMARY SCHOOL & BN TGSP KONDAPUR SERIKINGAMPALLY MANDAL, R.R DIST, HYDERABAD	2%	3%	1%

NOTE :This Information Of Percentage Of Water Recharge In The Particular Area Or Premises Is Given On The Average Droughtness Or Rainfall Before Making Harvesting Pits And Water Rainfall After Making Harvesting Pits And The Soil Found Below And The Fractures In Hard Soil And Stone.

THANKS AND REGARDS


MANGALA GROUND WATER CONSULTANCY