

CSR IMPACT EVALUATION

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For
Azure Power India Pvt. Ltd

CONTACTS

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EXECUTIVE SUMMARY

As required by Companies Act, Azure Power has invested **INR 2,62,98150.00** towards its CSR activity. The breakup of investment is provided in Chapter 7 Budget Section. After the conclusion of financial year an independent monitoring team “Arcadis India “was appointed to undertake CSR impact evaluation. Arcadis a global consulting company listed in Euro next and is a member of the Next 150 index. Arcadis has over 350 offices, in forty countries with 27,000 employees.

The methodology of CSR impact evaluation focused on social and economic impact of the implemented CSR project under 7 points evaluation criteria as listed below.

1. Training Education
2. Community engagement
3. Employee engagement
4. Health
5. Livelihood & Skill development
6. Sustainability
7. Empowerment

The evaluation methodology consisted of undertaking desktop study of the Azure Power CSR policy, understanding the project along with implementation agency and understanding the requirement of Companies Act. An evaluation process was formulated to ascertain how each individual and group of projects will be evaluated. Stakeholder engagement plan and questioners (Appendix A) were designed at this stage. This was followed by site visit where the project being implemented were physically verified and key stakeholders consulted. The outcome of the evaluation process and findings are being reported in this report.

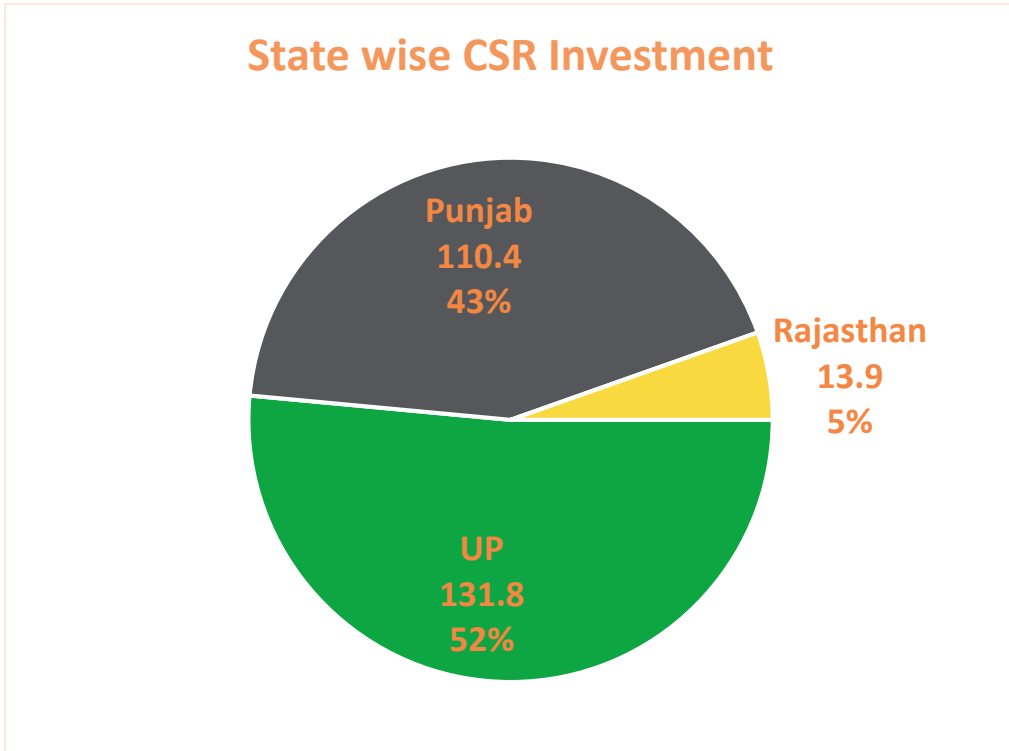
The projects as implemented by Azure Power is bundled under 4 categories as listed below

1. Energy & Education
2. Housing and sanitation
3. Drinking water

A total of INR 263 Lakh was invested by Azure. Details of investment is provided below

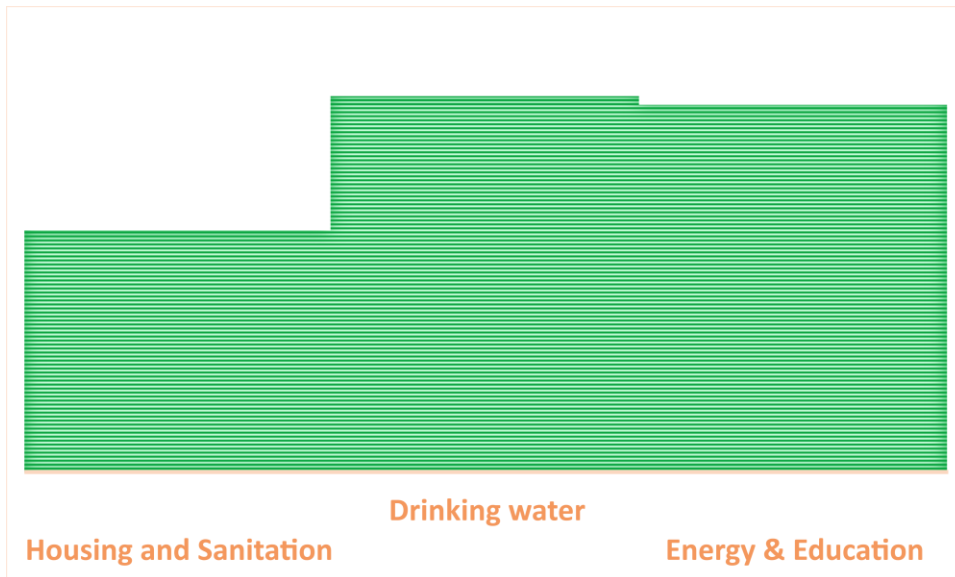
S.no	Activity	Category	INR Lakh
1	Minigrid Project	Energy & Education	131.8
2	RO	Water	94.6
3	EWS House	Housing & Sanitation	20.2
4	Toilet	Housing & Sanitation	5.9
5	Furniture in School	Energy & Education	3.6
6	CSR Capacity building		6.9
	Total		263.0

State wise summary of CSR investment is provided below



The relative performance of the project activity is elaborated in figure below:

Figure 1 : Relative Impact of project activity



The project on access to safe drinking water which involved installation of 46 RO machines in villages and schools has performed the best among all projects. The INR 94,57,016 invested under this programme accounts for more than 65 thousand direct beneficiaries, is highly sustainable and observed community engagement.

This was followed by Azure's CSR investment on electrifying two off grid villages. INR 131.8 Lakh invested by Azure achieved electrification of 2 villages in Uttar Pradesh and impacted more than 1000 beneficiaries. Though the number of beneficiaries for the mini grid project is low but the magnitude of benefit is the highest among all projects implemented this year.

A cumulative analysis of Azure's CSR portfolio is on 7 point criteria as discussed above is presented below



Through investment of INR 263 lakh, 68,104 poor and vulnerable population in an around Azure's operation across India was benefited. This comes out to be INR 386 per beneficiary. Azure's CSR investment constituted of a healthy mixture of high spread project like RO and high impact project like electrification of non electrified villages through establishment of solar mini grid. Cumulatively impact of CSR projects as implemented to by Azure Power is rated to be optimum.

Arcadis assisted Azure Power in formulating need assessment in December 2017 as below. This CSR Implementation audit was carried out to monitor the performance of the project with respect to the need assessment report and evaluation of its impact.

1.1. Rajasthan

Activity	Units	Location
RO	2	Barnel & Kathoti villages, Jayal Tehsil, Nagaur District
Boundary Wall	1	Govt. Secondary High School Kathoti (New Premise)
Toilet	2	One (1) toilet at Govt. Secondary High School, Barnel & one (1) toilet at Govt. Secondary High School at Kathoti in Jayal Tehsil, Nagaur District
New Classroom	3	Two (2) classrooms at Govt. Secondary High School, Barnel & one (1) classrom at Govt. Secondary High School, Kathoti in Jayal Tehsil, Nagaur District

1.2. Uttar Pradesh

Activity	Units	Location
Solar Power Mini Grid	2	Madhav ganj, Kashipura Gram Panchayat, Tehsil -Kul pahad , Mahoba district Karpahariya, Kashipura Gram Panchayat, Tehsil -Kul pahad, Mahoba district

1.3. Punjab

- **Dasgrain village, Sri Anandpur Sahib Block, Amritsar district**

Activity	Units	Location
Housing for vulnerable community residing at flood risk area	12	<ul style="list-style-type: none"> • Dasgrain village, Sri Anandpur Sahib Block, Rupnagar district

- **Sixteen study area villages in Patiala district**

Activity	Units	Location
RO	16	Sixteen study area villages in Patiala district

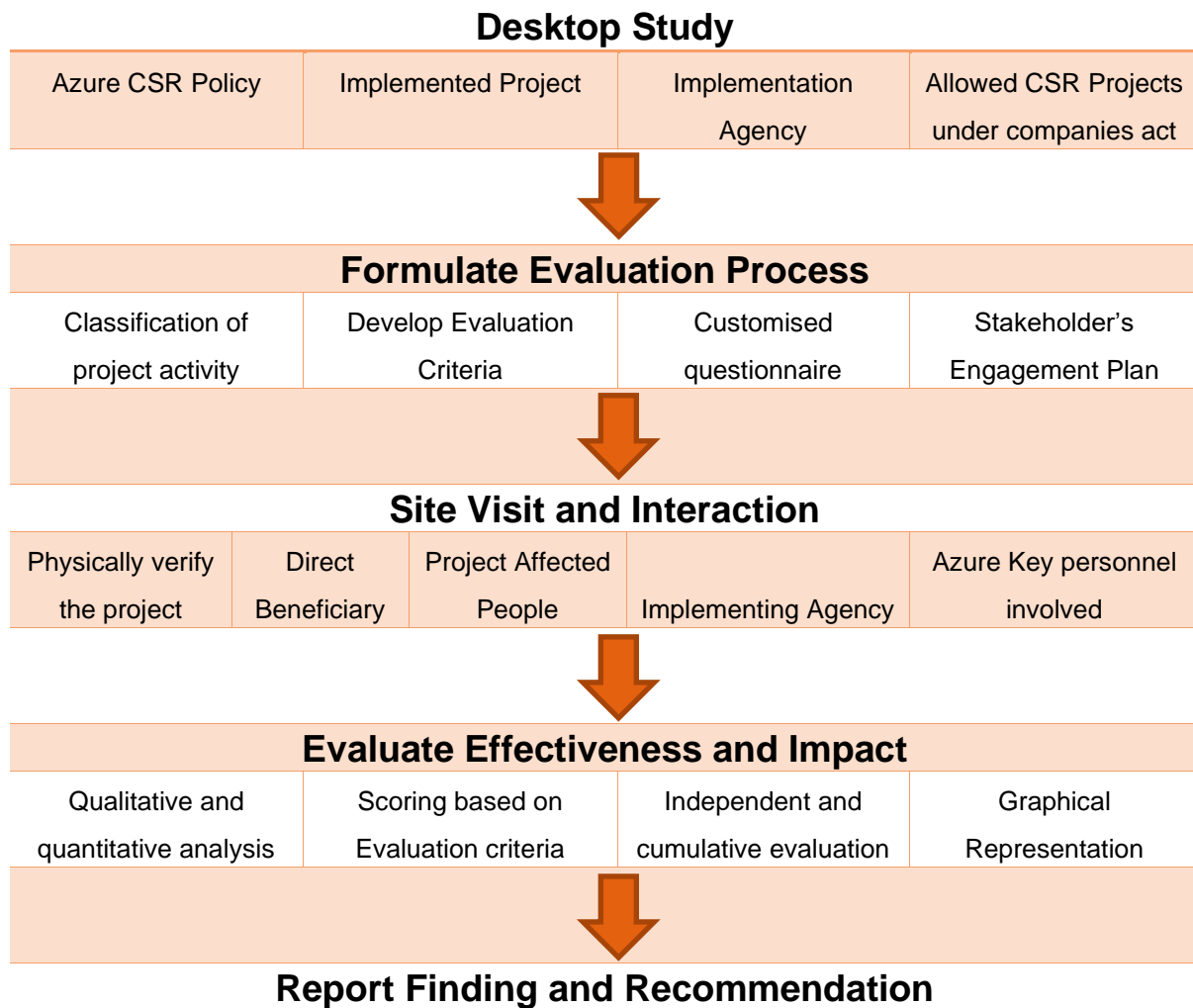
- **Nag Kalan village in Amritsar district**

Activity	Units	Location
RO	2	Two schools at Nag Kalan village, Majitha block, Amritsar district
Boundary Wall	1	Govt. Primary School (Boys), Nag Kalan village, Majitha block, Amritsar district

RO water system	2 RO in other villages	One (1) toilet at Govt. Senior Secondary School, Barnel & one (1) at Govt. Primary School (Girls) at Nag Kalan village, Majitha block , Amritsar district
Sitting arrangements	160	Sixty (60) at Govt. Senior Secondary School, Barnel & fifty (50) units of sitting arrangements each at both the Govt. Primary School for Girls & Boys at Nag Kalan village, Majitha block , Amritsar district
Black/ White Boards	2	Govt. Primary School (Boys), Nag Kalan village, Majitha block, Amritsar district
Solar Street Lights	20	At needed areas of Nag Kalan village, Majitha block , Amritsar district

2. METHODOLOGY

The CSR impact evaluation followed the methodology as described below



Desktop Study

At the inception of evaluation, a desktop study was initiated. Azure CSR policy was studied to understand the focus area in terms of thematic area and geographic area. A list of projects implemented under the CSR activity was studied with special focus on the objective, what the projects intended to achieve, the geographical spread, the stakeholders targeted and the thematic area covered. Financial aspect of the projects were also studied in terms of how much funds were deployed and under what mechanism. From the study of the projects a list of implementation agency who were involved were identified. The organizational structure of implementation agency, registration details, affiliation, manpower, past experience, track record, certification, balance sheet were analysed. Finally, the CSR Act was studied carefully to analyse whether the projects and implementation agencies are eligible under the Act with the view that ineligible projects would be disallowed from claiming credit under the CSR spent.

Formulation of Evaluation Process

The evaluation process was customized to evaluate the eligible CSR projects as implemented by Azure. More focus was given on sociological impact of the project than financial impact of the project activities. Based on Azure Power CSR policy, a social expert along with Azure Power CSR personnel agreed upon the following 7 points evaluation criteria applicable to each of the projects.

1. Training & Education
2. Community engagement
3. Employee engagement
4. Health
5. Livelihood & Skill development
6. Sustainability
7. Empowerment

It was agreed that each project would be evaluated on the above-mentioned criteria and be given points based on their ability to meet and extent of fulfilment of the criteria.

If the project has no impact on the criteria, the project will be allocated no point. In the event of minimum impact “10” points would be awarded, for average impact “20” point and for high impact “30” point. During evaluation if the evaluator comes across a project activity having maximum impact on a criteria it was agreed that the criteria be awarded “40” points. The process of awarding point is based on expert opinion and is qualitative in nature however once the points are awarded, the evaluation becomes quantitative, thereby enabling the impact evaluation outcome to become objective.

All the CSR activities as implemented by Azure Power was grouped together and classified under 4 categories as listed below. These categories are in concurrence with the CSR policy of Azure Power.

1. Promoting healthcare including Promotion of sanitation (Companies Act, Schedule VII category i, “Sanitation”)
2. Promoting healthcare including Promotion of drinking water (Companies Act, Schedule VII category i, “Safe Drinking Water”)
3. Ensuring Environmental Sustainability (Companies Act, Schedule VII category iv, Environment protection)
4. Community engagement

The relative performance of the project activity is elaborated in figure below

Since each category of CSR project was distinctively different from the other, for each type of projects customized questionnaire were developed. The questionnaire used for evaluating each project type is presented in **Annexure A**.

A stakeholder’s engagement plan was prepared to identify the type, category and number of stakeholder to be interacted with. Methods of engagement like questionnaire survey, focused group interaction and one to one meeting was also decided. Whenever required prior appointment were sought from the stakeholders.

Site visit and Interaction

A site visit was conducted in August 2018 to physically verify the projects and infrastructure. During the site visit around 100 stakeholders were interacted with. This helped the evaluation team to form professional opinion on the CSR projects and helped them evaluate the project on 7-point evaluation criteria as discussed above. Detailed list of stakeholders interacted with is provided in **Annexure B**. While the focus of interaction with the Project Affected People was on evaluation of the long term sustainable benefit accrued out of the project activity, interaction with implementation agency revealed the process adopted and if any further investment is required. The Azure Power CSR personnel involved in implementation of the project activity were also interviewed to understand the involvement of Azure Power staff and capacity build.

Evaluate Effectiveness and Impact

The effectiveness and impact of CSR activity was evaluated on both qualitative as well as quantitative terms. In quantitative terms amount of funds spend, number of facilities covered and number of direct beneficiary were evaluated while in qualitative terms, the sustainability of the project activity, extent of employee involvement, empowerment of weaker sections, community engagement etc. was evaluated. The qualitative evaluation of the impact depended predominantly on the professional judgment of the sociologists undertaking the evaluation. Surface charts were used to evaluate effectiveness and impact

for each of project activity. The surface charts were constructed based on the 7 point evaluation criteria as elaborated on section 2.2. A higher surface area represents higher impact.

Findings and Recommendation

The findings and recommendation summarize the study and gives direction to Azure Power to further improve and rationalize its CSR expenditure in the coming years.

3. GUIDING PRINCIPLES FOR SELECTION OF IMPLEMENTATION PARTNERS AND FORMULATION OF CONTRACTUAL OBLIGATION

The project partners were selected based on the following criteria:

- Expertise in the selected focus area for invention.
- Prior work experience of the geographical area or within the state.
- Agency/NGO/CBO should not be blacklisted by any Government Department, PSU and industries for failure to complete work, etc. and should not have any criminal cases registered against it.
- Should be a registered organization with not less than three years of experience in carrying out development related works/activities, social work, community development works, grassroots level work at individuals and community level, and any other criteria specifically mentioned by the CSR Committee.
- Payment terms will be based on the Terms of Reference and Memorandum of Understanding between Azure Power and Project Partners.
- For Asset creation and work undertaken at the village/community level/school will be through the NGOs. For any such work undertaken for the entire village, Sarpanch will be required to get written approval from Gram Sabha and give necessary application/letter/NOC etc. required to the company. The modalities for the execution of the work, selection of contractors, payment terms etc. will be worked out on the basis of extent of work. Final Payment shall be made only after inspection by Azure Power and GP and approval by the GP through Sarpanch.
- Before execution of any work under CSR, Azure Power will register the contractor/agency/etc. as their vendor. All internal requirements for vendors of Azure Power will be fulfilled by the selected contractor/agency/etc. before awarding of the CSR related works.
- For similar activities and output, Azure Power will examine both the outcome and costs and whether the activity has been implemented by the agency for other industries.

4. GAP IDENTIFICATION

During this CSR implementation audit it was observed that there is a difference between the list of villages identified in the need Assessment for CSR 2017-2018 and the actual implementation of CSR activities in Patiala, Amritsar, Rupaanagar District of Punjab.

During implementation phase of Wash activity, it was noted that the villages earlier identified in need assessment has been taken over by World Bank for CSR activity. So on request of other village panchayat members, and rapid needs assessment study, CSR activities were re planned and implemented by Azure.

The gap Identification is listed in the table below. As the Sample size was large in Patiala and Amritsar, district audit was carried out based on 25 % sampling.

State	District	Villages Identified as per Need Assessment Report	Villages of Implementation of CSR activity	Villages for Implementation Audit (25 % sampling for Punjab State)		
Rajasthan	Nagaur	Barnel	Barnel	NA		
		Kathoti	Kathoti			
Uttar Pradesh	Mahoba	Madhavganj	Madhavganj			
		Kulpahar	Kulpahar			
Punjab	Rupnagar (formerly Ropar)	Dasgrain	Mahain	Mahain		
		Jalalpur	Ahrukalan	--		
		Chappar	Hadana	--		
		Lachhru Kalan	Hassanpur kamboan	--		
		Lachhru Khurd	Tasalpur	--		
		Pipal Mangholi	Tiwana	--		
		Ballopur	Mehtabgarh	--		
		Ulane	Marru	--		
		Sanaulian	Mohalgarh	--		
		Mandauli	Mehmudpur Jatan	--		
		Nardu	Bhattian	--		
		Patiala	Harpalpur	Bhattian	--	
			Kami Kalan	Hira Garh	--	
			Bhogla	Panjeta	--	
			Nilpur	Bhedpura	Bhedpura	
			Sihri	Dhakrabba	Dhakrabba	
			Aluan	Kathmathi		
				Paharpur		Paharpur
				Rajgarh		Rajgarh
Passianan				Passianan		
Rawas Brahmna				--		
	Shermajpura		Shermajpura			

		Badshapur kaleke	Badshapur kaleke
		Badshapur	--
		Bahamana	Bahamana
		Dwarakapur	--
		Fateh Majri	Fateh Majri
		khanpur Godian	--
		Rampur Pratan	--
		Ugoke	--
	Nag Kalan	Nag Kalan	Nag Kalan
		Majitha	Majitha
		Majitha	Majitha
		Majitha	--
		Bhangwan	--
		Kotla Sultan Singh	--
		Kathu Nagal	Kathu Nagal
Amritsar	Majitha Block	Chawinda Devi(Gurudwara)	Chawinda Devi(Gurudwara)
		Chawinda Devi(Mandir)	Chawinda Devi(Mandir)
		Thali Sahib	Thali Sahib
		Ram Diwali Mosalmana	--
		Purana Tanel	--
		Chattiwind Lehal	--
		Udoke	Udoke
		Chuarpur Haryana	--

5. KEY PROGRAMS CARRIED OUT AND LOCATIONS

Following key programs for the CSR activities have been proposed by Azure :

Key Programs Proposed (Rajasthan)

Activity	Units	Location	Number of Beneficiaries
RO	2	Barnel & Kathoti villages, Jayal Tehsil, Nagaur District	1725
Toilet	2	One (1) toilet at Govt. Secondary High School, Barnel & one (1) toilet at Govt. Secondary High School at Kathoti in Jayal Tehsil, Nagaur District	625
Sitting arrangements	200	Hundred (100) at Govt. Secondary High School, Barnel & Hundred (100) at Govt. Secondary High School at Kathoti.	200

Key Programs Proposed (Uttar Pradesh)

Activity	Units	Location	Number of Beneficiaries
Solar Power Mini Grid	2	Madhoganj, Kashipura Gram Panchayat, Kulpahar Tehsil, Mahoba district	510
		Karpahariya, Kashipura Gram Panchayat, Kulpahar Tehsil, Mahoba district	495

Key Programs Proposed (Punjab)

- **Mahain Village, Sri Anandpur Sahib Block, Amritsar district**

Activity	Units	Location	Number of Beneficiaries
Housing for vulnerable community residing at flood risk area	12	Mahain village, Sri Anandpur Sahib Block, Rupnagar district	60

- **29 Villages in Patiala district**

Activity	Units	Location (Villages)	Number of Beneficiaries
RO	29	1. AHRUKALAN	1305
		2. BADSHAPUR	1524
		3. BADSHAPUR KALEKE	430
		4. BAHMANA	2500
		5. BHATTIAN	951
		6. BHEDPURA	1138
		7. DANDOA	1076
		8. DHAKRABBA	969
		9. DWARKAPUR	548
		10. FATEH MAJRI	1770

11. HADANA	700
12. HASSANPUR KAMBOAN	1184
13. HIRA GARH	716
14. KATHMATHI	1155
15. KHANPUR GODIAN	643
16. MARRU	1671
17. MEHMUDPUR JATAN	429
18. MEHTABGARH	846
19. MOHALGARH	847
20. PAHARPUR	1342
21. PANJETA	1207
22. PASSIANA	2998
23. RAJGARH	891
24. RAMPUR PARTAN	644
25. RAWAS BRAHMNA	1196
26. SHERMAJRA	1858
27. TASALPUR	381
28. TIWANA	746
29. UGOKE	1782

• **15 RO in 11 villages in Amritsar district & 1 village in Haryana**

Activity	Units	Location	Number of Beneficiaries
RO	1	1. Chuarpur Haryana	1250
		2. NAG KALAN	2500
		3. MAJITHA	7000
		4. BHANGWAN	2103
		5. KOTLA SULTAN SINGH	1200
		6. KATHU NAGAL	2500
RO	14 in other villages	7. CHAWINDA DEVI	4500
		8. TAHLI SAHIB	1504
		9. RAM DIWALI MOSALMANA	2231
		10. PURANA TANEL	1844
		11. CHATTIWIND LEHAL	1910
		12. UDOKE	2500

6. IMPACT EVALUATION

Housing and Sanitation

Introduction

In order to improve housing and sanitation facility in the region, Azure Power has constructed low cost housing and installed toilet facilities. In Punjab, a number of poor vulnerable members of community were having no access to permanent house. In Rajasthan there was poor toilet facility prior to Azure Power's intervention and students were forced to relieve themselves in open. Azure has appointed different vendors as the implementation agency of the CSR initiative. Azure Power has spent around INR 5,90,000 for installation of the sanitation facilities which resulted in over more than 200 direct beneficiaries.

Training and Education

The project activity created general awareness about cleanliness, health and hygiene, however there was no major training.

Community Engagement

The communities were directly engaged for the project activity. While infrastructure was funded by Azure Power, land, water maintenance of the facility was on community. The Panchayat Head and members, villagers were directly consulted and their consent was achieved by the implementation agency prior to initiation of implementation. Investment in infrastructure was initiated only in the event O&M was assured by the community post investment. Based on this, the community engagement aspect of the project activity is ascertained to be high.

Employee Engagement

Azure's employees identified the need of the project activity and proposed the project to Azure's CSR committee. The project was selected post needs assessment by Arcadis. Azure Power employee played active role in Identification and selection of contractors, identification of land, interacting with community and visited the site during construction and inauguration. Majority of work as carried out by contractors, identified and hired by Azure was under direct supervision of Azure's staff who ensured technical and quality of the civil construction. Hence employee engagement for the project is rated as high.

Health and safety

The sanitation project directly impacts health and hygiene of the community due to improvement in sanitation facility. In absence of good toilet facility in the schools, students were used to relieve themselves in open and thus face associated health and hygiene issue. Access to toilet has been identified as a national priority in India and agencies at all level are working in tandem to improve access to toilet. The Azure Power initiative is rated to have major impact in improving health of the society. The housing project address the safety aspect of the community by way of providing permanent structures as housing unit.

Livelihood and Skill Development

Certain amount of employment was generated during construction and some employment is expected during operation of the project activity. No major livelihood or skill development is expected due to implementation of the project activity. Hence the project activity is rated to have low beneficial impact on this aspect.

Sustainability

Post investment no further investment is required from any agency for continued usage of the facility. The Panchayat office premises where the facilities have been installed have assured cleanliness, supply of water and electricity to ensure smooth functioning of this facility since the cost of achieving the same is negligible. Regular maintenance of structure would be required by the users Thus the project scores moderate on sustainability aspect.

Empowerment

The project has been installed in institution which caters to weaker section of the society. It is doubtful whether the direct beneficiary has any access to proper sanitation facility even at home. However the project does not result in any direct financial empowerment. Thus, the project has been rated to have moderate beneficial impact on this aspect.

Conclusion

The project activity covers an average surface area and hence the effectiveness of the project activity is rated as average. More surface area is recommended by imparting associated training and education with related to benefits and proper use of sanitation facility.

Figure 6.1 Surface chart of the project activity



Drinking water

Introduction

Unrestricted use of pesticides and other chemical ingredients contaminates ground water in Punjab. Azure noticed high concentration of florides among other contaminants in ground water in and around the areas it operates the solar plant.

Untreated consumption of ground water results in a number of health hazard including but not limited to cancer, joint pain, yellowing of teeth, osteoporosis and harm to kidney, bones, reproductive organs, nerve and muscle etc. This was identified during needs assessment report has been appointed as the implementation agency for the CSR initiative.

Azure Power has invested around INR 94,57,016 for installation of 46 RO systems in villages and schools in Punjab and Rajasthan. The direct beneficiary in village is observed to be much higher. Qualitatively the R.O. system in villages would cater to more vulnerable community.

Training and Education

The project activity created general awareness about clean drinking water and associated health benefit. The villagers and school authorities were trained on how to ensure seamless functioning of the R.O. system. However, no major training which is replicable in nature can be attributed to project activity. The impact on training and education due to this project activity is ascertained to be average.

Community Engagement

The communities were directly engaged for the project activity. While infrastructure was funded by Azure Power, land, water maintenance of the facility was on community. The school authority, village head and other relevant stakeholders were directly consulted and their consent was achieved by the implementation agency prior to initiation of implementation. Investment in infrastructure was initiated only in the event O&M was assured by the community post investment. The direct beneficiaries were also consulted and they took initiative to ensure the project functions in a sustainable manner. Associated civil infrastructure were created by the community at their own cost. Based on this community engagement aspect of the project activity is ascertained to be maximum.

Employee Engagement

Azure's employees identified the need of the project activity and proposed the project to Azure's CSR committee. The project was selected post needs assessment by Arcadis. Azure Power employee played active role in Identification and selection of contractors, identification of land, interacting with community and visited the site during construction and inauguration. The RO machines were supplied by an agency which was selected by Azure. This agency worked under direct supervision of Azure's staff who ensured proper placement of RO with community consultation. Hence employee engagement for the project is rated as high.

Health and Safety

The project directly impacts health of the community due to improvement in drinking water quality. During needs assessment study, access to clean drinking water was identified as one of the major need of the community. The CSR initiative contributes to substantial reduction in water borne disease and associated health cost. The Azure Power initiative is rated to have major impact in improving health of the society.

Livelihood and skill Development

Certain amount of employment was generated during construction and some employment is expected during operation of the project activity. No major livelihood or skill development is expected due to implementation of the project activity. Prevention of water borne diseases through access to clean drinking water will have positive contribution towards livelihood. Hence the project activity is rated to have average impact on this aspect.

Sustainability

Post implementation no further investment is required from any agency for continued usage of the facility. The community has provided written undertaking that they will contribute to negligible operating cost associated with the facility. Substantial wellbeing in terms of improved health and reduction of water born disease is envisaged. Thus, the project scores high on sustainability aspect.

Empowerment

The project has been installed in areas which houses weaker section of the society. Needs assessment study revealed that access to clean drinking water is a major challenge to this section of the society. However, the project does to result in any direct financial empowerment. Thus the project has been rated to have average impact on this aspect.

Conclusion

The project activity covers a high surface area since the project has performed well in almost all of the evaluation parameters and hence the effectiveness of the project activity is rated as high.

Figure 6.2 Surface chart of the project activity



Energy and Education

Introduction

Azure power is in business of producing affordable solar power. Majority of Azure's project are Grid connected Megawatt scale solar power project. Azure has above 100 MW solar power projects in operation in Uttar Pradesh. However, Azure's employees noticed few non electrified villages around it's operation in U.P. Azure Power, as part of its CSR activity, has installed a Solar Power Mini Grid of capacity 15.72kW on 29th March 2018 to provide electricity to the villagers in Mahoba district, Uttar Pradesh. The company tried to improve the quality of life through modern and sustainable methods. The project was implemented in two villages (Madhavganj, Karpahariya) of Kashipura Gram Panchayat, Kulpahad Tehsil, Mahoba district Uttar Pradesh. As per Census 2011, no of Households (HH) in Madhavganj and Karpahariya village are 223 and 400 respectively. The company has set up 50 solar modules and one 7.5kW inverter to generate the same power. A six (6) ampere MCB was also installed for every household. The company had hired one NGO , M/s Haritika to conduct a social survey for the village to quantify the number of households requiring electricity. The villagers were responsible in providing necessary documents to Azure representatives to be the beneficiary for electricity. The space and the land for installation of MiniGrid plant was provided by the village Panchayat which was then bought by the company. The implementation agency M/s Hygrid Solar was then hired to install the minigrid project in selected villages. In addition to providing electricity, Azure has also provided two (2)

LED bulbs each, mobile charging point, bulb holders and necessary internal wiring to every household in the two villages. The NGO collaborated with the village Panchayat and formed a Village Energy Committee (VEC). It was a 14 member committee (5 females, 9 males) constituted for the maintenance of the solar plant. The company also planned to involve at least one member from different caste groups present in the villages. The company recommended various sustainable models to the village Panchayat which will help the villagers to use the services for a longer period. The bank accounts for each member of the committee were opened for the maintenance and security of the plant. INR 100 per month is being collected from every household in the village to cater for these maintenance and security costs. The members of the (Operation and Maintenance) department of the company also participate in the monthly meetings to inspect and supervise the plant. Inauguration of the project activity done by MLA Brijhushan Rajput has received wide attention. The project is a perfect example of economically viable and environment friendly solution to the problem of people living without electricity in remote areas of UP. During needs assessment study, it was observed that the village infrastructure like electricity supply, sustainable drinking water system needs to be improved. Azure Power's CSR project has improved quality of life through modern and sustainable methods. The measures were implemented in entire villages and water shortage areas. Hygrid Solar has been appointed as the implementation agency of the CSR initiative. Azure Power has invested around INR 1,31,83,106 Lakhs for installation of solar mini grid in two villages of Uttar Pradesh. Also Azure supplied 200 desks to schools in Rajasthan.

Training and Education

The project activity created general awareness about rural electrification. Training was provided to local villagers on Operating and maintaining the minigrid to ensure sustainability of the project activity. The donation of desk to educational institute had direct impact on education. Hence impact on training and education is ascertained to be moderate.

Community Engagement

The communities were directly engaged for the project activity. While infrastructure was funded by Azure Power, land, water maintenance of the facility was on community. The school authority, village head and other relevant stakeholders were directly consulted and their consent was achieved by the implementation agency prior to initiation of implementation. Investment in infrastructure was initiated only in the event O&M was assured by the community post investment. The direct beneficiary were also consulted and they took initiative to ensure the project functions in a sustainable manner. Associated civil infrastructure were created by the community at their own cost. Based on this community, engagement aspect of the project activity is ascertained to be maximum.

Employee Engagement

Azure's employees specialises in designing and implementation of solar power project. Different line departments of Azure got involved in identification, designing, procurement and installation of the project activity. Azure's technical expert trained the nominated community members on operation, maintenance and basic trouble shooting of the minigrid. Hence employee engagement for the project is rated as high.

Health & Safety

The project directly impacts safety of the community due to provision of lights at night. Further better living conditions due to availability of electricity ensured better health indirectly. However the project does not have direct health / safety benefit hence is rated low in this aspect.

Livelihood and skill Development

Availability of electricity has direct link to livelihood activity. More and diverse kind of livelihood activity can be perused. Limited skill development on use of electricity for functions like tv / mobile and other

electricity equipment repair is expected. Maintenance and operation of grid also require technical skill which was developed by Azure's staff. Hence the impact of the project activity is ascertained to be medium .

Sustainability

Post implementation no further investment is required from any agency for continued usage of the facility. The community has provided written undertaking that they will contribute to negligible operating cost associated with the facility. A Village Energy Committee was constituted for the maintenance and security of the plant. The committee can charge a minimal fee of INR 100 to raise funds for maintenance. Thus, the project scores high on sustainability aspect.

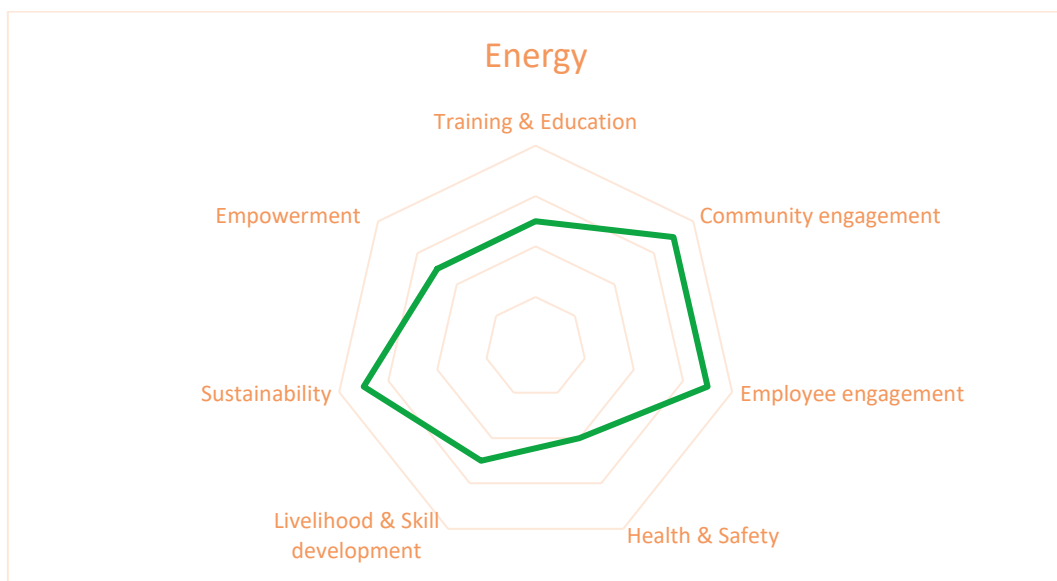
Empowerment

Lighting up the houses in remote areas literally lights up the lives of the people who live there. The project results in direct empowerment through use of electricity. The project has been rated to have average impact on this aspect.

Conclusion

The project activity covers a high surface area since the project has performed well in almost all of the evaluation parameters and hence the effectiveness of the project activity is rated as high.

Figure 6.3 Surface chart of the project activity



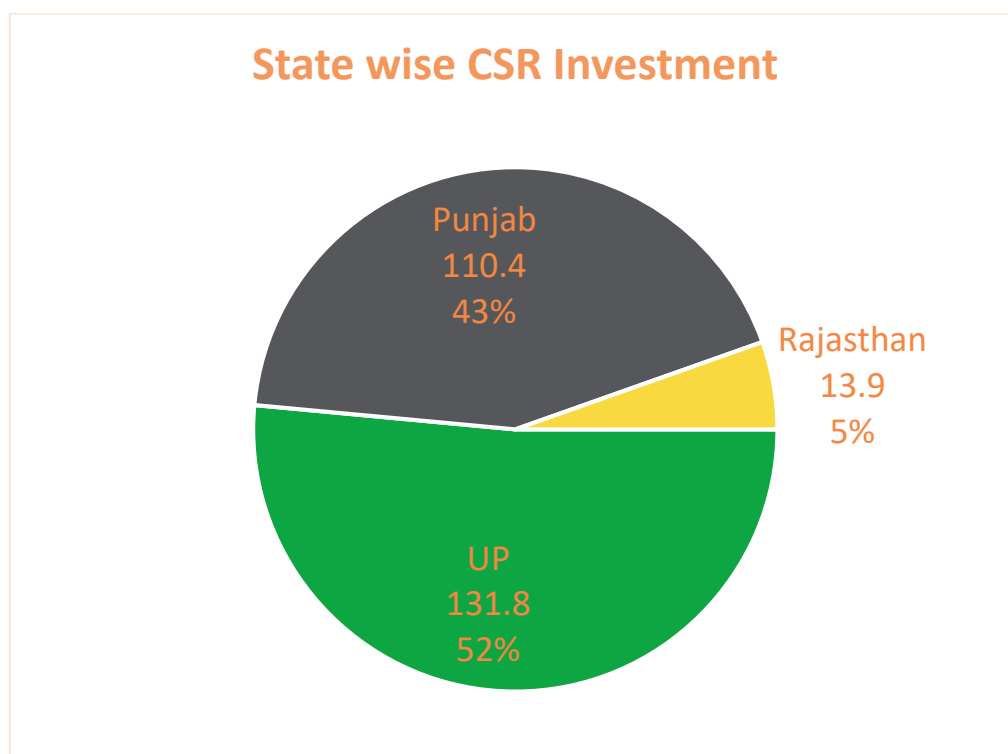
7. LIST OF IMPLEMENTING AGENCIES

S. No	Name
RO Plant	
1	M/s Paul Water Treatment Services Plot no 234-B, Industrial Area Ph-I, Panchkula 134113 (Hry) Ph: 09316131212, 09357131212, 09569710314
Solar Mini Grid	
2	M/s Hygrid Solar 312, Pearls Best Heights 1, Netaji Subhash Place, Delhi-110034
Toilet	
3	Mahadev construction Bamboo construction
Sitting arrangements	
4	M/s Mahadev Agriculture

8. BUDGET

The total budget of CSR implementation is 2.68 crores. The budget utilisation for each state is described below. The Maximum Budget of 52% was spent in the state of Uttar Pradesh on solar grid project, 43% of budget in Punjab State for installation of RO for providing good drinking water facilities to the villagers, 5 % in Rajasthan State for sanitation facilities & basic amenities for school children.

Figure:8.1: Statewise Budget Distribution



Budget allocation for CSR at Punjab:

S. no	Type of Project	Actual Cost per unit in Lakh	Number of Units	Total Cost
1	RO Plant in 29 villages in Patiala district	205089.90	29	90,23,956
2	RO plant in 15 villages in Amritsar district		15	
3	EWS House	167936	12	20,15,232
Total				1,10,39,188.00

**There was a gap identified in the villages list of Need Assessment for CSR and implementation of CSR in Patiala, Amritsar, Roopnagar District.

Budget allocation for CSR at Rajasthan:

S. no	Type of Project	Actual Cost per unit in Lakh, INR	Number of Units	Total Cost
1	RO plant in Barnel & Kathoti villages, Jayal Tehsil, Nagaur District	216530	2	4,33,060

2	Toilet: One (1) toilet at Govt. Secondary High School, Barnel & one (1) toilet at Govt. Secondary High School at Kathoi in Jayal Tehsil, Nagaur District	295000	2	5,90,000
3	Sitting arrangements: Hundread (100) at Govt. Secondary High School, Barnel & Hundread (100) at Govt. Secondary High School at Kathoti.	1812.48	200	3,62,496
Total				13,85,556

Budget allocation for CSR at Uttar Pradesh:

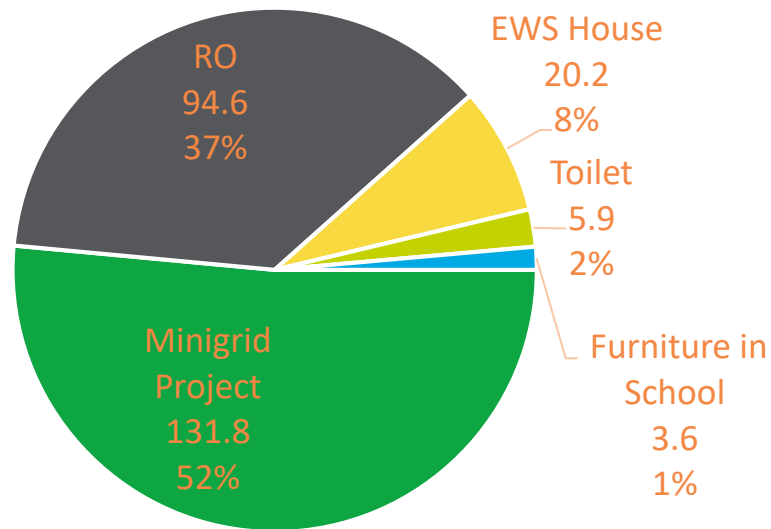
S. no	Type of Project	Number of Units	Total Cost
1	Solar Power Mini Grid in 02 Villages	2	1,31,83,106
Total			1,31,83,106

Total budget allocation for CSR:

S. No	CSR Project Location	Total Actual Cost in lakhs
1	Punjab	1,10,39,188
2	Rajasthan	13,85,556
4	Uttar Pradesh	1,31,83,106
CSR Consultation Fees		6,90,300
Grand Total		2,62,98,150.00
Contingency Budget (Surplus at Present)		501,850.00
Grand Total		2,68,00,000.00

Activity wise CSR investment is provided below

CSR Investment - Type of activity



**** N.B: Around 98 % of CSR budget was spent on various activities. Considering the quantum of shortfall is minimal as compared CSR Budget, such shortfall is acceptable. It clarified that the unspent amount is to be carried forward to the next year, and the same shall be over and above the next year's CSR allocation equivalent to at least 2% of average net profits of the company. Any shortfall in spending in CSR shall be explained in the director's report and the Board of Directors shall state the amount unspent and reasons for not spending that amount. (Requirement of Companies Act).**

9. MINUTES OF STAKEHOLDERS CONSULTATION TEAM

Rajasthan

Stakeholders Consultation:

Consultation with different level Stakeholders in the Barnel and Kathoti Village is given as below

List of Stakeholders

Stakeholder type/ Village	Name & Designation	Date of Interaction
School Community (Barnel)	Mulchand Raigar (Principle)	30.7.2018
School Community (Kathoti)	Upendra Singh (Senior Teacher) Ganganishan Sharma (Senior Teacher) Sunita Kumari (Teacher) Murud Diwakar (12 th Science) Mamta Kauwar (12 th Science)	30.7.2018

A brief of the stakeholders' consultation is given in **Table No. 12.2**.

Brief of Stakeholders' Consultation

Stakeholder Group	Consultation brief
Principle and Teachers (Barnel & Kathoti)	<ul style="list-style-type: none"> RO water treatment plant, Toilets for boys, and sitting arrangements (100 Table+stools) were installed by Azure Power in the month of April 2017. The ground water extracted by the borewell is filtered through RO is being used as drinking water by the students RO is functioning properly since installation. Students from opposite girl high school also use the water for drinking in Kathoti village. However, in Barnel village due to electricity issues RO plant is working intermittently. School authorities were of opinion that just 2 km away from the school new GSS station is proposed and electricity issue will be resolved. RO plant is maintained by School management. Sitting arrangement in school has benefited the students .
Community (Students) (Barnel & Kathoti)	<ul style="list-style-type: none"> Consultation with students confirms that they feel water quality has improved after installation of RO plant in kathoti village. It is also observed that water supply connections to the toilet is in progress. Maintenance and cleanness of the toilet which will be primarily the responsibility of the School authority.

Source: Primary consultation

Impact of CSR Activity

RO

ARCADIS has recommended installing RO water purification system at village level for treated drinking water supply to every household. This program was organized through Azure's local contractor, with collaborate with village Panchayat. It will ensure that every household in the village has treated drinking water. It will create awareness about importance of drinking treated water.

Toilet

ARCADIS has recommended construction of low cost toilet at Schools for overall improvement in the general quality of life in the rural areas. The toilets were constructed through Azure's local contractor by in collaborate with village Panchayat, School Authorities since the implementation requires land/space. It is also observed that toilets are not in use since water supply connections to the toilet not completed.

Sitting arrangements

Arcadis has recommended provision of school Infrastructure in need assessment. Sitting arrangements (200 Table + stools) were installed by Azure Power in the month of February 2018. As per the teacher's opinion, behavioural changes are observed amongst students, they work more productively and a positive classroom environment has been created.

Conclusion

RO water treatment plant, Toilets for boys, and sitting arrangements (200 Table + stools) were installed by Azure Power in the month of February 2018. Thus, through their CSR initiatives, Azure power has benefited the students in providing good quality of water and sanitation facility.

Uttar Pradesh

Stakeholders Consultation:

Details of consultation with different level Stakeholders is as below;

Table 12.3: List of Stakeholders -Uttar Pradesh

Stakeholder type/ Village	Name & Designation	Date of Interaction
Village Karpahariya	Mr. Brajesh Rajput	2.08.2018
	Mr. Rajesh Gupta	2.08.2018
	Mr. Jagdish Rajput	2.08.2018
Village Madavganj	Mr. Ravi Yadav	2.08.2018
	Mr. Rajesh Gupta	2.08.2018
	Mr. Kalpana Yadav	2.08.2018

A brief of the stakeholders' consultation is given as below;

Brief of Stakeholders' Consultation

Stakeholder Group	Consultation brief
Community Villagers and panchayat members Karpahariya	<ul style="list-style-type: none"> Azure Power as part of its CSR activity has installed a Solar Power Mini Grid of capacity 15.72kW on 29th March 2018 to provide free electricity to the villagers. They have set up 50 solar modules and one 7.5kW inverter to generate the same power. A six (6) ampere MCB is also installed for every household. As per Census 2011, field visit observations and consultations with the community reveals that average HH size of the Karpahariya village is 223. Azure had undertaken a social survey for the village to quantify the number the households requiring electricity. The villagers were responsible in providing necessary documents to Azure representatives to be the beneficiary for the electricity. In addition to providing electricity, Azure has also provided two (2) LED bulbs each to every village households as per their survey. Mr. Brajesh Rajput is the security in charge of the Azure Solar Power Mini Grid in the village. There is a 15 member committee (4 females, 11 males) constituted for the maintenance of the solar plant. Mr. Rajesh Gupta is the bank signatory along with two (2) other members of the village for the joint bank a/c maintained for the maintenance and security of the plant. INR 100 per month is being collected from every household in the village to cater for these maintenance and security costs in the name of monthly bills. Mr. Jagdish Rajput is the President (Sacheev) of the committee. In case of new connections, INR 1,000 is being charged per household. The villagers complained that the electricity was not enough to meet their purpose. There had been power cuts. The electricity has not reached in about 2-3 households.
Community Villagers and panchayat members Madavganj	<ul style="list-style-type: none"> Azure Power as part of its CSR activity has installed a Solar Power Mini Grid of capacity 15.72kW on 29th March 2018 to provide free electricity to the villagers. They have set up 50 solar modules to generate the same power. A six (6) ampere MCB is also installed for every household. As per Census 2011, field visit observations and consultations with the community reveals that average HH size of the Madhavganj village is 400 . Azure had undertaken a social survey for the village to quantify the number the households requiring electricity. The villagers were responsible in providing necessary documents to Azure representatives to be the beneficiary for the electricity. In addition to providing electricity,

	<p>Azure has also provided two (2) LED bulbs each to every village households as per their survey.</p> <ul style="list-style-type: none"> • Mr. Ravi Yadav is the security in charge of the Azure Solar Power Mini Grid in the village. There is a 14-member committee (5 females, 9 males) constituted for the maintenance of the solar plant. Mr. Rajesh Gupta is the bank signatory along with two (2) other members of the village for the joint bank a/c maintained for the maintenance and security of the plant. INR 100 per month is being collected from every household in the village to cater for these maintenance and security costs. Mr. Kalpana Yadav is the President (Sacheev) of the committee. In case of new connections, INR 1,000 is being charged per household. • It was observed that the charge controller of the inverter was damaged. It was reported by Mr. Arjun Verma that as the charge controller are within their warranty periods and so the replacement would be made as soon as possible. • However, it was reported by Mr. Ravi Yadav that the villagers were not giving the same amount every month as they had complaints that the power supply was not adequate to run their households. • The villagers complained of power cuts . • The electricity has not reached in about 5-10 households.
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Impact of CSR Activity

Solar Power Mini Grid

During need assessment study it was observed that both the study area villages are located without electricity. This has adverse impacts on standard of living, safety concerns of people to move in the night and irrigation of the study area. This program was organized through Azure's local contractor, with collaborate with village Panchayat. The villagers complained that the electricity was not enough to meet their purpose. There had been power cuts in each village.

In addition to providing electricity, Azure has also provided two (2) LED bulbs each to every village households as per their survey.

Conclusion

Absence of electricity was the gravest problem in both the study area villages. It was adversely affecting the irrigation, safety and other areas of livelihood in both the study area villages. Installation of Solar Mini Grid had created a safe and comfortable ambience in the village. It has ensured availability of electricity facility within the study area villages.

Punjab

Amritsar

Consultation with different level Stakeholders in the village have been provided below;

List of Stakeholders -Amritsar

Stakeholder type/ Village	Name & Designation	Date of Interaction
Community (School Teachers) (Nag Kalan)	School Teachers (Girls High School)	1.08.2018
Community (Villagers) Majitha Block No.18	Satnam Rai Swarn Kaur Manjit Kaur	1.08.2018
Community (Kathu Nagal): Gurudwara committee	Harminder Singh	1.08.2018
Chiwinda Devi (Gurudwara)	Swaroop Singh Bachattar Singh	1.08.2018
Chiwinda Devi (Mandir)	Darshan Kumar (Secretary Mandir Trust)	1.08.2018
Tehsil Sahib (Gurudwara Area)	Bhupendra Singh	1.08.2018
Opoke (Hospital)	Rajvinder Singh	1.08.2018
Majitha Ward No.8	Raman Kumar Gurumukh Singh (head Granthi-Gurudwara)	1.08.2018
Majitha Ward No.11(Kabir Mandir)	Desraj MCA Kulwant (Resident)	1.08.2018

Brief of Stakeholders' Consultation

Stakeholder Group	Consultation brief
Community (School Teachers) (Nag Kalan)	<ul style="list-style-type: none">• RO water treatment plant was installed by Azure Power in the month of March 2018 for Sarkar elementary Girls school.• Arrangement of reject water is yet to be done by school management.• As informed by the teachers, RO is maintained by School Management• Consultation with Teachers reveals that RO reject water is the major issue to use the RO.
Community (Villagers) Majitha Block No.18	<ul style="list-style-type: none">• RO water treatment plant was installed by Azure Power in the month of March 2018 for Majitha (Block No.18).

	<ul style="list-style-type: none"> • Consultation with villagers and panchayat members reveals that water quality has been improved after installation of RO. • Villagers below poverty line are the major users of this RO system. • RO is maintained by Panchayat committee. Panchayat has also nominated RO plant operator.
Community Villagers and panchayat Members (Kathu Nagal): Gurudwara	<ul style="list-style-type: none"> • RO water treatment plant was installed by Azure Power in the month of March 2018 for Kathu Nagal village at gurudwara premises. • Consultation with villagers and panchayat members reveal that Hard water issue is resolved and water quality has been improved after installation of RO. • Consultation with Panchayat members reveals that they have not faced any issue with respect to functioning of RO plant since installation. • Villagers below poverty line are the major users of this RO system. • Daily more than 2500 people are using the water of RO. • RO is maintained by Gurudwara committee. RO plant operation is the responsibility of Gurudwara committee.
Community Villagers and Gurudwara Members Chiwinda Devi (Gurudwara)	<ul style="list-style-type: none"> • RO water treatment plant was installed by Azure Power in the month of March 2018 for Chiwinda Devi (Gurudwara). • Consultation with villagers and Gurudwara members reveals that they haven't observed improved water quality after installation of RO. • Due to shortage of electricity supply RO is in use intermittently. • Villagers below poverty line are the major users of this RO system. • RO plant operation is the responsibility of Gurudwara committee.
Community Villagers and panchayat members Chiwinda Devi (Mandir)	<ul style="list-style-type: none"> • RO water treatment plant was installed by Azure Power in the month of March 2018 for Chiwinda Devi (Mandir) village. • Consultation with panchayat members and Mandir authorities reveals that water quality has been improved after installation of RO. • Consultation with Panchayat members and mandir authorities reveals that they have not faced any issue with respect to functioning of RO plant since installation. • Daily more than 2000 people are using the water of RO. • RO is maintained by Panchayat. RO plant operation is the responsibility of panchayat.
Community Villagers and panchayat members Tehsil Sahib (Gurudwara Area)	<ul style="list-style-type: none"> • RO water treatment plant was installed by Azure Power in the month of March 2018 for Chiwinda Devi (Mandir) village. • Consultation with panchayat members and Mandir authorities reveals that water quality has been improved after installation of RO. • Consultation with Panchayat members and mandir authorities reveals that they have not faced any issue with respect to functioning of RO plant since installation. • Daily more than 2000 people are using the water of RO. • RO is maintained by Panchayat. RO plant operation is the responsibility of panchayat.
Community Villagers and Hospital staff Opoke (Hospital)	<ul style="list-style-type: none"> • RO water treatment plant was installed by Azure Power in the month of March 2018 for Gurudwara Nagiana saheb Charitable Hospital. • It is 40 bed hospital and daily around 1500-2000 people are using the RO. • Earlier Small RO system was installed by Hospital which is now replaced by new RO to cater the need of the hospital.

	<ul style="list-style-type: none"> • Consultation with Hospital authorities reveals that water quality has been improved after installation of RO. • Consultation with Hospital members reveals that they have not faced any issue with respect to functioning of RO plant since installation. • On Sunday around 5000 litre water consumption is observed by hospital authorities. • RO is maintained by Panchayat. RO plant operation is the responsibility of Hospital committee.
Community Villagers and panchayat members Majitha Ward No.8	<ul style="list-style-type: none"> • RO water treatment plant was installed by Azure Power in the month of March 2018 for Majitha Block No.8. • Consultation with villagers and panchayat members reveals that Hard water issue is resolved and water quality has been improved after installation of RO. • Consultation with Panchayat members reveals that they have not faced any issue with respect to functioning of RO plant since installation. • Daily more than 500 people are using the water of RO. • There was some leakage issue observed in the RO which was resolved by Azure. • RO is maintained by Gurudwara committee. RO plant operation is the responsibility of Gurudwara committee.
Community Villagers and panchayat members Majitha Ward No.11(Kabir Mandir)	<ul style="list-style-type: none"> • RO water treatment plant was installed by Azure Power in the month of March 2018 for Majitha Block No.11. • Consultation with Panchyat members reveals that they have not faced any issue with respect to functioning of RO plant since installation. • Daily more than 2500 people are using the water of RO. • RO is maintained by Panchyat. RO plant operation is the responsibility of panchayat.

List of Stakeholders -Patiala

Stakeholder type/ Village	Name & Designation	Date of Interaction
Bhedpura	Inderpal Singh	2.08.2018
Dhakrabba	Manjeet Singh	2.08.2018
Paharpur	Gurpiyar	2.08.2018
Rajgarh	Jaswinder Singh Devsingh (Sarpanch)	2.08.2018
Passianan	Krishan Singh (Sarpanch) Balvir Singh (Panchayat Member)	2.08.2018
Shermajpura	Laprit	2.08.2018
Badshapur kaleke	Manjeet Singh	3.08.2018
Bahamana	Mangat Singh (2 nd Principle) Kuldeep Singh(9 th Std student) Daminder Singh (9 th Std student)	3.08.2018
Fateh Majri	Veer Singh Parpur Singh	3.08.2018

A brief of the stakeholders' consultation is given as below;

Brief of Stakeholders' Consultation

Stakeholder Group	Consultation brief
Community Villagers and panchayat members Bhedpura	<ul style="list-style-type: none"> • RO water treatment plant was installed by Azure Power in the month of March 2018 for Bhedpura village. • Consultation with villagers and panchayat members reveals that RO is in use since installation however there are no nominated person appointed by gram panchayat for operating RO regularly.
Community Villagers and panchayat members Dhakrabba	<ul style="list-style-type: none"> • RO water treatment plant was installed by Azure Power in the month of March 2018 for Dhakrabba village. • Consultation with villagers and panchayat members reveals that water quality has been improved after installation of RO. • Villagers below poverty line are the major users of this RO system. • Daily approximately 1000 litres of water is being used by villagers. • RO is maintained by Panchayat committee. Panchayat has also nominated RO plant operator.
Community Villagers and panchayat members Paharpur	<ul style="list-style-type: none"> • RO water treatment plant was installed by Azure Power in the month of March 2018 for Paharpur. • Consultation with villagers and panchayat members reveal that RO is not in optimal use because of reject water management. Water pipelines will be constructed by Panchayat. • RO is maintained by Panchayat committee. Panchayat has not yet nominated RO plant operator.
Community Villagers and panchayat members Rajgarh	<ul style="list-style-type: none"> • RO water treatment plant was installed by Azure Power in the month of March 2018 for Paharpur. • Consultation with villagers and panchayat members reveals RO is not in use optimally because Panchayat has not yet nominated RO plant operator. During consultation suggestions were given to the panchayat members to nominate or appoint one person for daily operation of RO. • Currently village has water supply available from gram panchayat. • RO is maintenance is the responsibility of Panchayat committee. Panchayat has not yet nominated RO plant operator.
Community Villagers and panchayat members Passianan	<ul style="list-style-type: none"> • RO water treatment plant was installed by Azure Power in the month of March 2018 for Passianan. • Consultation with villagers and panchayat members reveals that water quality has been improved after installation of RO. • Villagers has not observed any problem in working of RO. • RO is maintenance is the responsibility of Panchayat committee. Panchayat has nominated RO plant operator.
Community Villagers and panchayat members Shermajpura	<ul style="list-style-type: none"> • RO water treatment plant was installed by Azure Power in the month of March 2018 for Shermajpura. • Consultation with villagers and panchayat members reveals Panchayat has not yet nominated RO plant operator. During consultation suggestions were given to the panchayat members to nominate or appoint one person for daily operation of RO. • Currently village has water supply available from gram panchayat. • RO is maintenance is the responsibility of Panchayat committee. Panchayat has not yet nominated RO plant operator. • During consultation suggestions were given to the panchayat members to nominate or appoint one person for daily operation of RO.

<p>Community Villagers and panchayat members Badshapur kaleke</p>	<ul style="list-style-type: none"> • RO water treatment plant was installed by Azure Power in the month of March 2018 for Badshapur kaleke village. • Consultation with villagers and panchayat members reveals that water quality has been improved after installation of RO. • Villagers has not observed any problem in working of RO. • RO is maintenance is the responsibility of Panchayat committee. Panchayat has nominated RO plant operator. • Village already has water supply from Gram Panchayat. Daily around 500 people use RO water.
<p>Community Villagers and School Authorities Bahamana</p>	<ul style="list-style-type: none"> • RO water treatment plant was installed by Azure Power in the month of March 2018 for Bahamana Government High School. • There was a complaint from school authorities that reject water loss is more around 2 litres/10 sec. • Consultation with students and school authorities reveals that water quality has been improved after installation of RO. • Villagers has not observed any problem in working of RO. • RO is maintenance is the responsibility of School authority. • Daily around 200 Students use RO water.
<p>Community Villagers and panchayat members Fateh Majri</p>	<ul style="list-style-type: none"> • RO water treatment plant was installed by Azure Power in the month of March 2018 for Majri village. • Consultation with water plant operator reveals that water quality good after installation of RO. • RO is maintenance is the responsibility of Panchayat committee. Water pump operator is operating RO plant as well. • Village already has water supply from Gram Panchayat. Daily around 1770 people use RO water. • The village is quite developed and villagers have their own RO system at their home. Daily around 100-150 families use the water RO installed by Azure.

Impact of CSR Activity

RO

ARCADIS has recommended installing RO water purification system in Amritsar & Patiala district for treated drinking water supply to every household. After Consultation with Azure officials it was noted that the villages earlier identified in need assessment has been taken over by World Bank for CSR activity. So on request of other village panchayat members in the same district, CSR activity was re planned and implemented by Azure. Rapid need assessment and suitability was ascertained prior to implementation.

This program was organized through Azure's local contractor, with village Panchayat since the implementation requires land/space. It has created general awareness about importance of drinking treated water. The quality of water has improved in many villages.

Conclusion

The programme has created general awareness about importance of drinking treated water. The quality of water has improved in many villages. The CSR initiative contributes to substantial reduction in water borne diseases and associated health cost. The Azure Power initiative is rated to have major impact in improving health of the society. However, it was observed that in almost all villages, the RO water purification system & its operation responsibility is not allocated by panchayat. During consultation it

was suggested to nominate one person from panchayat to operate the RO regularly and training to the same person shall be given.

Rupnagar

Key Observations:

- As per the identified village namely Mahain is located in Sri Anandpur Sahib community development block of Rupnagar district. Azure has constructed 12 houses for the vulnerable section of the community within the study area village at a flood risk area.
- Basic Amenities like toilets, Kitchen platforms, Electric points are provided in the house.
- Allocation of houses to the vulnerable community is yet to be done by Gram panchayat.

Conclusion

Arcadis has appointed implementing agency for construction of housing for the vulnerable section of the community within the study area village located in flood risk area. It will contribute to improving the living standard and securing the same in the study area. It will create a safe and conformable ambience in the village.

CONCLUSION

The CSR Policy of Azure Power mandates that the company shall

- Engage with the community in which it operates to identify the needs of the community.
- Contribute to the development of human capital of the nation by promoting excellence through improving access to education, skill development, investment in vocational training etc.
- Promote preventive healthcare education/awareness and improve access to affordable healthcare.
- Promote sustainable lighting solution for people in remote areas who don't have access to the conventional electricity grid.
- Encourage and motivate its employees to spend time in volunteering on CSR programs and activities as championed by the company.

The company through its CSR projects has been able to meet all the mandates set by the CSR policy. A need identification study was initiated at the beginning of the year to engage and identify the needs of the community. Rest of the parameters were met cumulatively by projects as elaborated in figure 3.7

The study of Figure 9.0 reveals more emphasis has been given to Health & Safety, Sustainability and Community Engagement as compared to other aspect. Cumulatively the projects are evaluated to have less than average focus on Training Education, livelihood and skill development. Other aspects like employee engagement and empowerment is found to be as per expectation. The total surface area covered by the project is medium hence cumulative impact of CSR projects as implemented to by Azure Power is rated to be moderate.

The total budget of CSR implementation is 2.68 crores. But there is a shortfall in CSR spend against statutory requirement. It clarified that the unspent amount is to be carried forward to the next year, and the same shall be over and above the next year's CSR allocation (like construction of shed for RO machines installed in Punjab and Karnataka) equivalent to at least 2% of average net profits of the company. Any shortfall in spending in CSR shall be explained in the director's report and the Board of Directors shall state the amount unspent and reasons for not spending that amount. (Requirement of Companies Act).

Figure 9.0 Cumulative contribution to parameters by project activities



APPENDIX A: TOOLS USED IN THE STUDY

Public Consultation Questionnaire

VILLAGE:

STATE:

NAME OF THE RESPONDENT:

AGE OF THE RESPONDENT:

GENDER: Male Female

DEMOGRAPHY/GENERAL PROFILE

S. No	Questions	Reply
1	How many different ethnic groups are there in the village?	
2	Which languages are spoken in your community?	
3	What is the main religion in your community?	
4	Are there any groups, organizations, associations or cooperatives in the village? What are these? (e.g. women's self-help groups etc.)	
5	What is the main source of livelihood in the community?	
6	Can you give some information about agricultural production? Which agricultural products do you produce? Are farms small or large in general?	
7	Do you have any agricultural problems in your village, if so, what are they?	
8	What are the main sources of water in the village? For irrigation/drinking water etc.?	
9	Are you satisfied with the electricity supplies in your village? If not, what kind of problems do you experience? Have all houses got electricity?	
10	Do you have any environmental problems in your village? If so, what are they?	

CSR Implementation Effectiveness Questionnaire

A. Provision for Safe Drinking Water

Name of the respondent Gender: Male () / Female ()

Village: Panchayat:

Block/Taluka.....District:

1. Installation of Reverse Osmosis (RO) water purification systems

1.1. Are you aware about the RO water purification systems installed by Azure Power in your village/school?-to villagers

Yes No

1.2. Do you get access to drinking water from R.O. System?- to villagers

Yes No

1.3. How many households/students are benefited from the RO system?- to villagers/school head

1.4. Do you feel any changes in the health condition of the village? – to Doctor

- a. Significantly positive change in health
- b. Some positive change in health
- c. No change noticed

1.5. Do you face any problems with R.O. machine? If yes, please mention the problem faced- to Panchayat Head

Yes No

1.6. Are you satisfied with this RO water service?- to villagers/students

- a. Highly satisfied
- b. Satisfied
- c. Not satisfied

1.7. Suggestions/ corrective measures to improve the pure drinking water facility?

B. Provision of Sanitation facility

Name of the respondent Gender: Male () / Female ()

Village: Panchayat:

Block/Taluka..... District:

Anganwadi Centre No.....

1. Provide Sanitation(toilets) facility in the Panchayat

1.1. Panchayat Members & public are using the new sanitization facility? – to Panchayat Head

Yes No

1.2. Who is responsible security and cleanses of toilets?- to Panchayat Head

1.3. Toilets are connected to the water supply/tank?- to Panchayat Head

Yes No

1.4. Have you satisfied with this toilet facility?

- a. Highly satisfied
- b. Satisfied
- c. Not satisfied

1.5. Any suggestion?

APPENDIX B: PHOTO PLATES

After CSR Implementation- Closure Audit

Punjab-Amritsar



RO Water Treatment Plant and community consultation at Nag Kalan





RO Water Treatment Plant at Majitha Block and consultation with panchayat member and villagers



RO Water Treatment Plant at Kathu Nagal and community Consultation



RO Water Treatment Plant at Chiwanda Devi (Gurudwara)



RO Water Treatment Plant at Chiwanda Devi (Mandir)



RO Water Treatment Plant at Tahil Shahaib





RO Water Treatment Plant at Udoke



RO Water Treatment Plant at Majitha block

Punjab-Patiala



RO Water Treatment Plant at Rajgarh



RO Water Treatment Plant at Bhedpura



RO Water Treatment Plant at Paharhpur



RO Water Treatment Plant at Phirni



RO Water Treatment Plant at Pasaina



RO Water Treatment Plant at Shermajara



RO Water Treatment Plant at Badshapura Kaleke



RO Water Treatment Plant at Majri



RO Water Treatment Plant at Bahamna (Gram panchayat School)

Punjab-Rupnagar



Housing for Vulnerable community residing at flood risk area

Rajasthan



RO water treatment plant at Barnel School



Boys Toilet At Barnel School



Provision of Sitting Arrangement at Barnel School



RO Water treatment plant at Kathoti School



Consultation with Teachers and principle



Provision of Toilet facility for Boys in School premises



Uttar Pradesh



Community Consultation at Madhaganj



Solar Panels installation at Madhaganj



Community Consultation at Karpahariya





Solar panels Installation at Karpahariya

APPENDIX C: INAUGRATIONS

Inauguration of installed RO's by Captain Amarinder Singh in Punjab

Captain Amarinder Singh inaugurates 14 ROs installed by Azure Power in 29 Patiala villages



CHANDIGARH, JUNE 7

Punjab Chief Minister Captain Amarinder Singh today inaugurated 14 RO Water Purifiers, installed by Azure Power as part of its Corporate Social Responsibility (CSR) agenda, while urging other industries to join the government's effort to provide clean drinking water to the people.

Noting that excessive content of harmful chemicals in the ground water posed serious health hazards, the Chief Minister said his Government had initiated several programmes for providing safe drinking water to the citizens.

Lauding Azure Power for this noble gesture, the Chief Minister said many diseases occur due to lack of potable water, and if industrial houses came forward to help the government overhaul the water infrastructure, it would go a long way in mitigating the problem.

The ROs would cater to the drinking water needs of residents of 29 villages in Patiala district and benefit more than 3000 households, with easy access to treated drinking water, said Preet Sandhu , co-founder of Azure Power, adding that each RO water purifier unit will supply 1000 litres of water per hour for 10-12 hours per day.

Inauguration of Solar Mini Power Grid by Mr. Brij Bhushan Rajput in UP

एज्योर पावर ने उत्तर प्रदेश में अपने प्रथम मिनी ग्रिड प्रोजेक्ट का उद्घाटन किया

झांसी। भारत की अग्रणी स्वतंत्र सौर ऊर्जा उत्पादक कंपनी एज्योर पावर ने आज अपने प्रथम मिनी ग्रिड प्रोजेक्ट की शुरुआत की घोषणा की है। यह मिनी ग्रिड प्रोजेक्ट आ महोबा जिले के माधव गंज और करफारिया गांव में स्थापित किया गया है। प्लांट के उद्घाटन के मौके पर चरखारी विधानसभा क्षेत्र के विधायक श्री बृजभूषण राजपूत उपस्थित थे।

एज्योर पावर के प्रमुख मूल्यों में से एक सामाजिक उत्तरदायित्व की दिशा में कंपनी के प्रयासों को और आगे बढ़ाते हुए यह प्रोजेक्टर उत्तर प्रदेश के ऐसे गांवों में स्थापित किया गया है जो अभी तक बिजली से वंचित थे। अब इन गांवों को



महोबा जिले के गांवों में स्थापित किये गये मिनी ग्रिड प्लांट से 230 परिवार लाभान्वित होंगे

मुफ्त बिजली उपलब्ध कराई जाएगी। कुल 30 किलोवाट की क्षमता के साथ, यह प्रोजेक्ट यहां

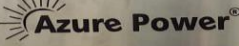
रहने वाले कुल 230 परिवारों के 900 से अधिक ग्रामीणों के जीवन को बेहतर बनाएगा। इससे पहले,

एज्योर पावर ने एज्योर एम-पावर के तहत झारखंड में भी मिनी एवं माइक्रो ग्रिड प्लोट्स स्थापित किए हैं। इससे 11 गांवों के 320 परिवारों को बिजली प्राप्त हुई है।

इस अवसर पर अपने विचार व्यक्त करते हुए चरखारी विधानसभा क्षेत्र के विधायक श्री बृजभूषण राजपूत ने कहा, अभी भी हमारे देश के समग्र विकास में बाधा डालने वाले कारणों में बिजली भी एक है। केंद्र सरकार इस विचार को विभिन्न भौगोलिक क्षेत्रों में बड़े पैमाने पर अपनाने के लिए सोच रही है। ऐसे में हमारे राज्य को यह उद्देश्य पूरा करने के लिए हर संभव सहायता की जरूरत होगी।

एज्योर पावर ने उप्र में अपने प्रथम मिनी ग्रिड प्रोजेक्ट का उद्घाटन किया

झांसी। भारत की अग्रणी स्वतंत्र सौर ऊर्जा उत्पादक कंपनी एज्योर पावर ने आज अपने प्रथम मिनी ग्रिड प्रोजेक्ट की शुरुआत की घोषणा की है। यह मिनी ग्रिड प्रोजेक्ट आ महोबा जिले के माधव गंज और करफारिया गांव में स्थापित किया गया है। प्लांट के उद्घाटन के मौके पर चरखारी विधानसभा क्षेत्र के विधायक श्री बृजभूषण राजपूत उपस्थित थे। एज्योर पावर के प्रमुख मूल्यों में से एक सामाजिक उत्तरदायित्व की दिशा में कंपनी के प्रयासों को और आगे बढ़ाते हुए यह प्रोजेक्टर उत्तर प्रदेश के ऐसे गांवों में स्थापित किया गया है जो अभी तक बिजली से वंचित थे। अब इन गांवों को मुफ्त बिजली उपलब्ध कराई जाएगी। कुल 30 किलोवाट की क्षमता के साथ, यह प्रोजेक्ट यहां रहने वाले कुल 230 परिवारों के 900 से अधिक ग्रामीणों के जीवन को बेहतर बनाएगा। इससे पहले, एज्योर पावर ने एज्योर एम-पावर के तहत झारखंड में भी मिनी एवं माइक्रो ग्रिड प्लोट्स स्थापित किए हैं। इससे 11 गांवों के 320 परिवारों को बिजली प्राप्त हुई है।


Azure Power®

This
Solar Power Mini Grid Project
Is Developed By
Azure Power
Under CSR Activity

Capacity: 15.72 kW | Date: 29th March 2018
Location: Village- Karpadahaiya, District- Mahoba, Uttar Pradesh

इस
सोलर पावर मिनी ग्रिड परियोजना
का निर्माण
अज्योर पावर
द्वारा
सी० एस० आर० गतिविधि के अंतर्गत
किया गया है।
क्षमता: 15.72 kW | दिनांक: 29 मार्च 2018
स्थान: गांव-करपहाडिया, जिला-महोबा, उत्तर प्रदेश

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