

## Materials for Annual Report 2020-2021

### A. Project Title: Rural Access to Clean Energy(RACE)

### B. Project Summary

1.	<b>Project Location</b>	Ranchi,Khunti,Simdega &Gumla
2.	<b>Intervention Area (Name of Blocks &amp; Districts) and (No. of Villages)</b>	Ranchi(Namkum,Angara,Kanke,Ormanjhi,Bundu,Tamar Block-589 villages), Khunti(Murhu,karra,Torpa,Rania,Khunti,Arki Block-647 villages) Simdega(Kolebira,Kersai,Thethaitangar,Jaldega,Bano,Simdega Block-348 villages) Gumla(Bishunpur,Sisai,Ghaghra,Gumla,Raidih,Bharno Block-429 Villages)
3.	<b>Theme/Issues</b>	Clean Energy Solutions (CES) are available, accessible and affordable to the rural tribal communities of Jharkhand.
4.	<b>Project Duration</b>	2019-2024(60 months)
5.	<b>Referral Group</b>	500 Govt.Officials, 464 Panchayati Raj representatives,50 CSOs,343 Schools,100 Private Sector Organisation,%0 Media people,2000 youths,20 entrepreneurs.
6.	<b>Direct Beneficiaries</b>	50,000
7.	<b>No of Indirect Beneficiary</b>	500000
8.	<b>Support Agency</b>	European Union(EU)

### C. Activities Conducted

- Organise policy finding and knowledge –sharing workshops on CES at State,Distrcit Block, Panchayat and Village Level
- Organise Media workshop on CES
- Media fellowship award on CES
- Develop and broadcast radio program on Clean Energy Solutions
- Organise steet play and dramas on CES
- Organise wall writing on CES issues in entensive and intensive villages.
- Organise Skill training of Youths on CES
- Monitoring Field visit and evaluation
- Development of IEC materials on CES
- Regular update of Websit and Mobile App of day to day activity.
- Mobile Van demonstation in the intervention areas on CES
- Activily participated in Covid-19 relief work with the Govt. officials on CES

## **D. Achievements (Quantitatively & Qualitatively)**

### **Intervention at Village Level :-**

- a) More than 1250 farmers have been sensitised and trained for availing **KUSUM scheme** and 420 farmers have been directly benefited from the RACE project
- b) 27 families are irrigating their land through Solar Irrigation pump
- c) 4580 HHs are using solar lights .
- d) 186 No. of Solar Street Lamps are functional and 2134 lamps are defunt
- e) 174 No. of Solar Overhead Water tanks have been installed under **Panchayat Fund**
- f) 8967 families are getting safe drinking water through Solar Water tank
- g) 777 families are using efficient cooking stove (smokeless chulha) made by mud and locally available materials.
- h) 185 families have established nutrition garden.
- i) 289 Child centric events on CES (Urja Volunteer) and environment protection.

### **Intervention with School Children:-**

- a) Till now total 537 students of 54 schools are using solar lamp.
- b) Till now total 89 students of 11 schools are using solar lamp.

### **Advocacy:-**

- a) Suggestion Related to policies, services, delivery mechanism, monitoring and follow-up system, sustainability, convergence, grievances redressal cell at state, district and block level have been made in **Situational Analysis Report** which will be submitted to government authorities at various level.
- b) 54 CSOs have been identified and forum is in process of taking shape with solar based foundations and organisation like WRI, CEE, UNDP, Selco Foundation, GENYSELF, etc.
- c) PRIS like 35 Mukhiyas, 71 Gram Pradhans, 85 Wards and 2 Gram Sewaks initiated for CES. They have accepted applications of community on different issues. They have also promise to resolve the issue as next year panchayat fund received.

### **Youth Training:-**

- a) 1006 youths have been trained on CES in the 4 districts under **Skill training programme**.
- b) More than 1500 Urja Mitra from 4 districts have been identified . They facilitate village level Clean Energy Committe meeting, they also support to resolve village level issues. They will be promoted as Clean Energy Entrepreneur when skill development training will be started.

### **Demand Generation:-**

- a) 236 Demand generation and application on CES issues like solar water tank, solar street light, handpumps, etc by the community and the VCEC members and out of which 18 are resolved till date.
- b) 4763 families have got LPG connection under **Ujjwala Yojna** and 330 people have applied for the scheme.

**Mass Awareness Program:-**

- a) CES based 2 shows on the Doordashan National Channels
- b) 21 jingles on radio has been broadcasted in the renowned FM radio channels
- c) 25 articles had been published in newspaper.
- d) More than 120 Wall writing on CES at different location at intensive and extensive blocks of 4 districts has been done for the widespread information about the clean energy.

**IEC materials published on: –**

- a) Solar based Enterprises
- b) User Manual of Kusum Scheme regarding –how to apply,maintenance of solar pump set,crops cultivation,water conservation techniques.
- c)Posters on SDG-7,Usage of Solar Power,Why Clean Energy is Important and Kusum.

## E. Success Story (Two case study and its photo(4))

### Relief from the Drinking Water Crisis

**Location:** Rehekubatoli, Bishunpur Panchayat, Bishunpur Block; Gumla.

**Introduction** - Rehekubatoli revenue village is inhabited by about 130 people from a total of 40 families.

**Problem:** In this village not a single solar overhead watertank or water facility was available, which caused drinking water problem to the people. The issue was not given due importance before RACE project intervention.



**LEADS Intervention**—Monthly meeting with the Clean Energy Committee supported by RACE team brought out the issue after which the demand for Jalminar was suggested to solve the issue. Problem was raised in February 2021 through VCES meeting so that the water crisis can be solved and the villagers could be connected with pure water supply.

In that meeting, a decision was taken by the Race team in association with Clean Energy Committee that a Gram Sabha will be organized in March 2021 (Next Month), in which the presence of the members of Clean Energy Committee the community will demand for the establishment of solar overhead water tank, Jalminar from the Mukhiya Fund will be established. It was put up in the register of gram sabha.



After this, the Gram Sabha meeting was organised and the application for the Jalminar in Rehe Kuba Toli was prepared. Through the Gram Sabha it was proposed that jalminar will be established in the Rehekubatoli from the 15th Finance Commission funds, which will have a capacity of 1000 litres water. 2

**Impact:** Today, the entire Tola is taking advantage of the water tank and has come out of the lack of water crisis, the whole Tola expressed gratitude to the members of the clean Energy Committee and the LEADS team for their support.

**समाधान : रेहेकुबा टोली में कुल 40 परिवार के लगभग 130 लोग निवास करते हैं जल संकट से जूझ रहे रेहेकुबाटोली के ग्रामीणों को रेस टीम के सहयोग से मिली राहत**

**आजाद सिविली संवाददाता**  
गुमला। जिले के बिशुनपुर प्रखंड के, बिशुनपुर पंचायत के राजस्व ग्राम रेहेकुबाटोली में करल एमसेस टू ग्रामीन एनसी (रेस) लीडरस टोल के सहयोग से पिये के पानी के संकट को दूर किया गया। इस राजस्व ग्राम के रेहेकुबा टोली में कुल 40 परिवार के लगभग 130 लोग निवास करते हैं, रेहेकुबा टोली में एक भी जल मीनार की व्यवस्था नहीं थी, जिससे 130 परिवारों के लोगों को पीने के पानी को बहुत समस्या हो रही थी, जिसका निदान आज तक किसी ने नहीं किया, जो टोला प्रखंड के विकसल समीप था। एक दिन बिशुनपुर रेस परिवोजना, जिसे लार्क एंजुकेशन एंड टेक्नोलॉजी सपोर्ट (लौटस) जिसे यूरोपीय युनियन के अंतर्गत प्रोत्साहित किया जा रहा है, जिसमें लीडरस रेस टोल कि विलेज मॉडिफिकेशन प्रॉजि कुमारी जो इस पंचायत में 2 साल से कार्यरत हैं। प्रॉजि कुमारी के द्वारा पयस कि नवी स्वच्छ ऊर्जा मॉडिफि के साथ हर गांव बैटल किया जाता है, जिसमें सर्वोत्तम के माध्यम से ग्राम स्तर पर डिमांड निकल कर आता है, जिसका समाधान करने का प्रयास लौटस रेस के द्वारा किया जाता है। फरवरी 2020 में स्वच्छ ऊर्जा मॉडिफि के साथ बैटल किया और बैटल में पीने के पानी की समस्या को रेस टोल को अवरल कराया ,जिससे जल संकट से निजात मिल सके और ग्रामीणों को शुद्ध जल और बेहतरीन पर्यावरण से जोड़ा जा सके, जिसे आज तक किसी ने भी दूर करने का प्रयास किया।

**ग्राम सभा में उपस्थिति रहेगी अनिवार्य**  
उस बैठक में लीडरस रेस परिवोजना एवं स्वच्छ ऊर्जा समिती के द्वारा एक निर्णय लिया गया कि अगले मही में एक ग्राम सभा कि जायेगी, जिसमें स्वच्छ ऊर्जा समिती एवं ग्रामीण सदस्य के लोगों कि उपस्थिति अनिवार्य रहेगी और उस ग्रामसभा के माध्यम से मुखिया फंड से एक जल मीनार कि व्यवस्था के लिए ग्रामसभा के रजिस्टर में चढ़ कर नुखिया फंड से एक जलमिनार कि व्यवस्था किया जायेगा।



**मुखिया को प्रस्तावित किया**  
ग्राम सभा में डेढ़ डूब टोली में जलमिनार के लिए ग्रामसभा के माध्यम से अंतरिम निवेश कर नुखिया को प्रस्तावित किया गया, जिससे आवश्यक समर्थन का नुखिया में उस टोला में 1485 मिल अगले से मार्च 2021 में एक जलमिनार कि व्यवस्था किया, जिसकी क्षमता 1000लीटर कि है।

## Arrangement of Solar Pump for irrigation in Revenue village

**Location:** Shivrajpur, Shivrajpur Panchayat, Ghaghra Block, Gumla

**Introduction:** In Revenue village Shivrajpur, an extensive village and block of Gumla where the impact of RACE project have provided a new life in the irrigation. As in the block level meeting organized by the RACE team with the farmers, in this meeting, the farmers were informed about the use of solar energy along with method of using solar energy. And by knowing about the scheme's community of the Shivrajpur took initiative and consulted LEADS.



**Problem:** When team asked the farmers about the equipment used for irrigation, the farmers have told about the use of diesel pump which costs a lots of money and the oil prices going high every day and labour work is also done in bringing the diesel engine to the farm, which has a great impact on agriculture and time is also maximized.

**LEADS Intervention:**After listening to the farmers' problems, team member visited to office of District Planning Officer named Mohammad Hyder Ali and shared the problem. DPO, Gumla shared about the ongoing Solar Lift Irrigation Scheme under the Aspirational District Plan and He also told that this scheme is for those farmers who have available palm land, river, drain or live well, in which there is availability of water throughout the year, He suggested that, select the farmers and contact the concerned NGO or department to approve the plan. The process involved the selection of farmer who has the availability of land connected with river, pond or live well which always has the availability of water, the underground 4 KG pressure pipe up to 500 meters distance with four outlets to be installed so that up to 50 acres of farmers can do organic farming. Under this scheme, 1 Kirloskar motor of 5HP, pumphouse, starter, 315 watt solar panel has been installed, with the help of this, the farmer is taking water from the river to his fields and is doing a very large scale farming today.



**Impact:** Result of this scheme was that the farmers of Shivrajpur are saving time and money by doing farming with the help of solar pump, earlier the farmer did not cultivate vegetables due to water problems, but with the help of RACE many farmers got benefited.



## Accessible water facilities to all through the construction of Solar Jal Minar

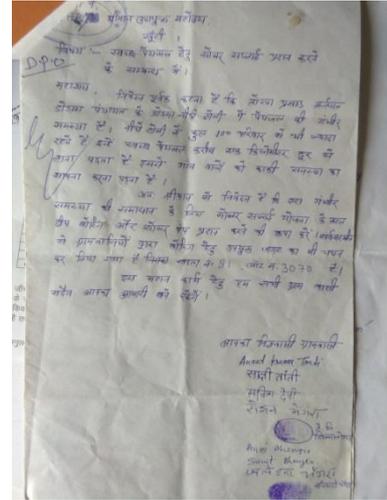
**Location:** Village- Dorma, Panchayat: Dorma, Block: Torpa, District: Khunti

**Introduction:** Dorma is a small size village, in Torpa Block, Khunti. In Dorma ( Neecha Toli), 750 people are residing.

The villagers depend on hand pump water for several activities like drinking water, cooking, washing utensils and sometimes washing clothes too.

**Problem:** The village is having three hand pumps of which two have become dysfunctional creating lots of difficulty for the villagers in day-to-day activities. They have to walk for 2-3 km for getting clean water, some villagers started drinking water from the well, but the well was not covered so the villagers started having different kinds of diseases.

**LEADS Intervention:** Seeing the difficulties faced by the villagers, LEADS staff called for the meeting with the Gram Sabha. In the meeting conducted the staff gave the details on **MukhyamantriJalNal Yojana** . The meeting further proceeded and with the consent of the community members, it was decided an application will be prepared to mention about dysfunctional hand pump and that was submitted to the DDC office.



**Impact:** Steps were taken so the villagers, do not have to face trouble. Hence **Solar Jal Minar** was constructed and water tap facilities provision was made available in every household. For the maintenance of Solar Jal Minar, a committee was formed. The person from the village was given the responsibility for the operation. For the maintenance part, RS 500 is donated by the committee, every household pays Rs. 20 to the committee members.

Hence, the field staffs of RACE with the help of the community was able to resolve the issue related to water.

