

Annex VI
INTERIM NARRATIVE REPORT

Table of contents

Sl. No.	Contents	Page No.
	List of acronyms used in the report	2
1	Description	3
2	Assessment of implementation of Action activities	3
2.1	Executive Summary of the Action	3
2.2	Results and Activities	4-12
2.3	Log frame Matrix Updated	13-17
2.4	Action plan for the future activities	18
3	Beneficiary(ies)/affiliated entities and other cooperation	19
4	Visibility	20

Annexures

- I. Activities Report.
- II. Case Stories
- III. Programme Photographs
- IV. Media coverage
- V. Gender Report
- VI. Mobile App Analysis Report

List of acronyms used in the report

RACE – RURAL ACCESS TO CLEAN ENERGY
CES - CLEAN ENERGY SOLUTION
CSO - CIVI SOCIETY ORGANIZATION
CBO - COMMUNITY BASED ORGANIZATION
PRI - PANCHAYATI RAJ INSTITUTION
ACAP TOOL - ACCESSIBILITY, COMMUNICATION, ATTITUDE AND PARTICIPATION TOOL
AWC - ANGAN WADI CENTRE
VCES – VILLAGE CLEAN ENERGY SOLUTION
BCES - BLOCK CLEAN ENERGY SOLUTION
DCES – DISTRICT CLEAN ENERGY SOLUTION
SCES – STATE CLEAN ENERGY SOLUTION
VCEC – VILLAGE CLEAN ENERGY COMMITTEE
BDO - BLOCK DEVELOPMENT OFFICER
DPM – DISTRICT PROJECT MANAGER
HH- HOUSEHOLD
FGD - FOCUS GROUP DISCUSSION
SMC - SCHOOL MANAGEMENT COMMITTEE
SHG - SELF HELF GROUP
SAR - SITUATIONAL ANALYSIS REPORT
BLS - BASE LINE SURVEY
NGO - NON GOVERMENTAL ORGANIZATION
QRM - QUARTERLY REVIEW MEETING
HM - HEAD MASTER
SAR - SITUATIONAL ANALYSIS REPORT
NITI Aayog- NATIONAL INSTITUTE FOR TRANSFORMING INDIA
JREDA – JHARKHAND RENEWABLE ENERGY DEVELOPMENT AUTHORITY
UNDP- UNITED NATIONS DEVELOPMENT PROGRAMME
JSLPS- JHARKHAND STATE LIVELIHOOD PROMOTION SOCIETY

1. Description

- 1.1. **Name of Coordinator of the Gran Contract:** Life Education and Development Support (LEADS)
 - 1.2. **Name and Title of the Contact Person:** Mr.Mahendra Kumar, Project Manager, Rural Access to Clean Energy (RACE)
 - 1.3. **Title of the Action:** Rural Access to Clean Energy (RACE)
 - 1.4. **Contract Number:** CSO-LA/2017/392-537
 - 1.5. **Start Day and End Day of the Action:** 1st April 2019 to 31st March 31st March 2024
 - 1.6. **Target Country(ies) or region(s):** India, Jharkhand
 - 1.7. **Final beneficiaries & / or target groups:** 500000 tribal people of 24 Blocks of 4 districts of Jharkhand, 250 additional CSOs
- Note:** After the changes in the FCRA norms on 29 Sept., 2020, LEADS is directly implementing RACE Project in the 24 blocks of 4 districts i.e. Ranchi, Khunti, Simdega and Gumla.

2. Assessment of implementation of Action activities

- 2.1. **Executive Summary of the Action-**India teetering on the edge of a power crisis. As of Govt.data at the end of Sept.2021, 80% of India's 135 coal-powered plants had less than 8 days of supplies left — more than half of those had stocks worth two days or fewer. The power crisis would likely have an immediate impact on India's nascent economic recovery which is being led by industrial activity instead of services, according to Kunal Kundu, India economist at Societe Generale.

Most of India's coal-fired power plants have critically low levels of coal inventory at a time when the economy is picking up and fuelling electricity demand.Coal accounts for around [70% of India's electricity generation](#).By comparison, over the last four years, the average coal inventory that power plants had was around 18 days-worth of supply, according to Hetal Gandhi, director of research at ratings firm CRISIL, a subsidiary of S&P Global.A combination of supply factors and falling coal imports led to the current crisis, commentators.India saw a [spike in power demand between April and August](#). It came as the economy regained momentum following a devastating second wave of Covid-19.

Thermal power companies have had lean coal inventories and did not anticipate the spike in power demand this year, Gandhi explained.Other sources of electricity generation — such as hydropower, gas and nuclear also declined.Unevenly distributed monsoon season was one of the factors. Less rainfall in some areas adversely affected the production of hydropower, or water power.Some other factors included a sharp increase in gas prices as well as maintenance shutdowns at nuclear power plants, she said. All of that led to an increase in coal-fired power generation.Logistical issues due to the monsoon season also constrained coal supply, despite there being enough pithead stocks available at Coal India, as reported by Sandeep Kalia, principal analyst at Wood Mackenzie. A pithead refers to the top of a mineshaft where most of

the mined coal is kept before being transported to power companies. Rainy season typically makes that transportation more difficult as many routes tend to flood.

India being the [world's third-largest](#) coal importer despite having a [large coal reserve](#). However, a widening gap between soaring international coal prices and domestic coal prices saw imports decline sharply in recent months. As supply fell, demand also rose. Coal imports by power plants fell 45% in July and August compared to the same period last year while India's non-power sectors grew more dependent on domestic coal, Kalia said. Non-power industries such as aluminium, steel, cement and paper typically burn large quantities of coal to produce heat. Decline in electricity generation by coastal power plants, which rely on imported coal, added more pressure on domestic coal-based power plants to ramp up output, he added.

Even then, coal imports were hamstrung by supply disruptions due to the pandemic and logistics issues, according to the [CRISIL's](#) Gandhi. For example, transportation costs are rising due to a higher demand for shipping and congestions at ports as the world economy slowly recovers from the pandemic. India's domestic coal is also of a lower heating value — which means more of it is needed to substitute imported coal, thus adding further pressure on domestic power plants, she said. Coal prices in India are mostly decided by the state-owned Coal India. So when international prices increase, domestic prices do not rise as substantially since it would affect power prices and inflation — utility companies are unable to pass on higher costs to most consumers. Since power is subsidized for most farmers and many households in India, the burden of higher coal prices will mainly fall on industrial consumers who account for only 25% to 30% of power consumption, according to Gandhi. "Whenever imported prices go up substantially, the incentive for domestic manufacturers to import coal and produce power is on the lower side,".

This sort of issues will be faced in the future more often as the power demand goes on increasing. So Renewable Energy would only be the way forward for India to tackle the high carbon emission sources as well as to reduce the dependency of fossil fuels. Thus the RACE Project moving in favour of RE is the right step to do so by providing Clean Energy Solutions (CES) to it.

They are the least equipped to overcome the ill impacts of climate. Thus, their development is intrinsically linked to their adoption of CES. Jharkhand government with its nodal agency JREDA, and under RACE project, LEAD with the Support of European Union is trying to assist adoption of CES in the remotest sections of the society.

The document records the developments, and achievements made in the first half of the 3rd year of the project timeline.

2.2. Results and Activities

A. RESULTS

LEADS has incepted and initiated this project in four districts namely Ranchi, Khunti, Simdega and Gumla of Jharkhand which are highly tribal dominated districts and fall under 115 poorest district (aspirational districts of NITI Aayog) of India. This report comprised of progress at the first half of the 3rd year of the 5-year project including learning and its future use in the project when we move further. It provided us with the data of existing penetration of clean energy in the project area and the interventions that would be required to popularise clean energy and promote entrepreneurs in the project intervention areas. The draft report was shared with the project partners, CSOs, and the state government authorities for their feedback and input to enrich the documents for larger advocacy.

We keep on preparing basic project documents for each staff so that they have better clarity about the project and its implementation. We are in touch with the media personal both electronic and print media to spread awareness about clean energy and the interventions being made through Rural Access to Clean Energy Project amongst larger group. This provided a platform for spreading awareness about clean energy not just among the citizen but also the media persons which would go a long way in culmination of the idea of clean energy and sustainability. The organisational structures at schools, village and block levels have been created which would help in smooth running of the project in a right based manner. The outputs, outcomes and impacts proposed for the 3rd year have been adequately responded by the team.

Assessment of outcomes articulated under the project

<p>Overall Impact: Availability, accessibility and affordability of Clean Energy Solutions (CES) to the rural tribal communities of Jharkhand have significantly increased.</p>
<p>Status of Associated Indicators and Achievements during Reporting Period: We have facilitated more than 34000 HH tribal and marginalised families to get clean energy supports like solar lantern, smokeless chulha(oven), solar-integrated smokeless chulha, LPG gas, solar based irrigation pumps, biogas support, solar lighting system, safe drinking water through overhead solar water tank, solar street lamps etc. form state government and other sources. The project targets to benefit 5, 00,000 such beneficiaries in 5 years out of which we have benefitted more than 2,10,000 beneficiary directly or indirectly. Thus, the project has begun strongly and expects to build on it with much penetrating future interventions. We have built awareness on available sources of clean energy and also bring people closer to those resources. Hence they are trying to get it and we facilitate that facility to reach to people.As a result the KUSUM Yojna where about 50% of 8000 solar pump-sets applicants have filled nomination but after our interventionthe nomination had overlapped the target.</p>
<p>Outcome 1.1: <i>Sensitized, made aware and capacitated duty bearers, civil society organisations (CSOs), Panchayati Raj Institutions (PRIs) promote CES in 24 Blocks of 4 districts in Jharkhand.</i></p>
<p>Status of Associated Indicators: We have identified and listed all stakeholders of this project starting from the community to the state level and have conducted introductory meeting with them during the reporting period. The stakeholders include ward-members, mukhijas of panchayats, block and district level nodal person for clean energy, JREDA (Jharkhand Renewable Energy Development Authority) officials, government schools, solar based enterprises, media etc. We have started to conduct capacity building / sensitisation program for all stakeholders which would be pivotal to the success of the project. We have covered Govt Schools, PRIs, School Management Committee (SMCs), Govt. officials at Block level, district level and state level primarily to introduce the project and</p>

facilitate required support for smooth implementation of the project. This outcome will further gather momentum, when we move to 3rd and 4th year of project and initiate lobby and advocacy for larger CES response by state.

Outcome 2.1: Increased multiple stakeholders' dialogues and advocacy on CES in the 24 blocks of the 4 districts of Jharkhand.

Status of Associated Indicators: As per the project guidelines baseline survey, sharing of Situational Analysis Report at block level, formation of Clean Energy Committees at village and block levels, networking workshop with Panchayati Raj Institutions, Skill training of youth, organisation of mobile van for spreading information, development and use of mobile application and website, spreading awareness on clean energy in government schools, and support to implementation of government programs related to clean energy has started to show their outcomes. As a result we have conducted State Level, District, Block, Panchayat and Village level Forum, Eco Club, Media Platforms and trained youths.

Outcome 3.1: Enhanced skills and entrepreneurship environment in clean energy sector.

Status of Associated Indicators: Skills training to 34 youths for master trainer has been conducted in 2 phases and more than 1800 trainees had been trained by these master trainers so far. The selection of youth is being done by village level clean energy committees to ensure local participation, sustainability of the intervention and entrepreneurial promotion in clean energy among the youth.

Developments which impacted our work:

Second wave of Covid-19 impacted our work implementation as lockdowns and covid-19 guidelines restricted public gatherings and government's prime focus shifted to pandemic control. For about 2 months social gatherings and meetings could not be done, which impacted Panchayat, Block, District and State level events. Schools too have stayed closed since the pandemic began, hence the school level events couldn't be conducted.

Panchayats are working beyond their tenure of 5 years, and the elections are due, hence PRI members are not taking their due responsibilities due to uncertainty of their tenure.

Assessment of Output Articulated under the project

Output	Activities Implemented
Op 1.1.1 (related to Oc 1): At least 10 policies and schemes related to clean energy are identified and analysed and gaps in the existing policies are shared with policy makers for necessary modifications	2 nd edition to the SAR identifying gaps in government policies and schemes and suggestions on them has been published and shared with the relevant government authorities and CSOs working for clean energy.
Op1. 1.2: CSOs, PRIs, tribal youth and community members are mobilized and rights based replicable development models for promotion of clean energy are developed.	<ol style="list-style-type: none"> IEC Material - Printed- 2 different brochure of Solar based Equipment maintenance manual and process documentation, Revised & Updated Print -3 Poster on CES, 3 Pamphlets on CES, Brochure on RACE project. Wall Writing - Khunti- 32, Simdega- 30 Nos., Ranchi- 12 Nos., Gumla- 22 Nos. Website: Regular updation of day -to-day activity. School Events: In this time period schools remained closed for most of the while. 223 child centric activities conducted in the intervention schools. Through ECO club there were various activities conducted under the project intervention school.

	Children based activities conducted in a participatory mode like slogan writing, drawing competition, poem writing etc.
Op 2.1.1: (related to Oc 2): Forum of CSOs is established at various levels for advocacy and lobbying and linkages between CSOs, PRIs, Government, private sector and community are strengthened	<ol style="list-style-type: none"> 1. 243 Formation and strengthening of village level CES Forum have been conducted. 2. 22Panchayat level networking workshops with PRI members has been conducted. 3. Formation & strengthening Block level CES Forum in 10 blocks including extensive and intensive blocks has been done. 4. 1 Formation & strengthening district level CES forum has been conducted. 5. Green business Challenge(GBC) has been conducted along with 4 road shows in 4 districts.
Op 3.1.1 (related to Oc 3): Nodal Manufacturing and skill training centre on CES are established	<ol style="list-style-type: none"> 1. Organize skill Training for youth: 245 youth have been trained under the three training modules. So far 7 skill training centres have been identified and training programs are carried out regularly. 2. Green business Challenge (GBC) has been conducted along with 4 road shows in 4 districts. 3. Organize Mobile Van for Demonstration on CES: Customized mobile van equipped with Clean Energy technologies were moved in all the 24 blocks of the intervention areas. 4. Linkages with the Govt. financial program like Mukhyamantri Rojgar Srijan Yojna, Mudra Loan, Skill Up India Program and also with the private CSOs like SELCO, Sustain Plus, etc. are ready for skill up the entrepreneurship model.

Activities Summary

A.1.1.1 Develop, publish and disseminate Situational Analysis Report (SAR) (analytical review) for policies, programmes, guidelines and schemes of the Government with regard to CES in tribal areas: Second edition of SAR has been developed and published. The report has studied and highlighted the limitations of the policies and schemes on clean energy. The report has been shared with the relevant government authorities and the CSOs working on clean energy.

Steering Committee Meeting:- Steering committee meeting was conducted on 1st Sept. 2021 at LEADS meeting hall, Ranchi. Responsible persons from LEADS, participated in the meeting. Meeting focussed on strategic planning, resolution of issues, progress reviewing and finance and administration of the project.

A.1.2.2. Accessible IEC Materials:-IEC materials plays an important role in sharing the information to the mass media including Govt. Officials,PRIs,CSOs,Schools,VCEC,etc.It enhances the visibility of the project. We have prepared following IEC materials during the reporting period:-

- (1) Brochure of Solar based equipments servicing & maintenance
- (2) An Experience on Clean Energy under RACE Project (Process Documentation)
- (3) Revised Edition –Introductory folder on RACE.
- (4) Revised Edition of Solar Entrepreneur in Rural Areas.
- (5) Reprint of Pamphlets on-

- (a)What is Solar Energy?
- (b)Benifits of Solar Energy
- (c)Schemes of Central and State Govt. on Clean Energy

A.1.2.3. Organize Street Plays and dramas:-As per the scheduled planned the activity will be conducted in the month of Nov.&Dec.2021 in the intervention areas of Ranchi ,Khunti, Simdega& Gumla.

A.1.2.4. Organize wall-writings on CES issues:- In the first half of the year 96 wall painting in intensive and extensive areas was done.Wall writing on thematically based issues on Clean Energy Solutions.Wall writing has been very effective in circulating an idea in the intervention area. It ensures motivating the populace towards CES.As planned more wall writing would be done in the coming months.

A.1.2.7. Develop and broadcast radio program on CES:-Script has been prepared and shared with the radio broadcast channel for finalisation.It will be broadcasted in the month of Nov.-Dec.21.The jingle will be capturing the RACE Objective, Intervention Areas,Project Outcomes and youth skill training information and many more.

A.1.2.8. Organize School Events on CES:-As most of the time schools remained closed .So school events were also carried out at the village level also. To sensitise school children and school administration on importance and necessity of clean energy solution. Various activities like drawing competition on Clean energy and environment, slogan writing, BalPratrika, plantation, kitchen gardening preparation, hand washing promotion, Clean Energy Bank,ECO Club, etc was promoted in 223 government school of the intervention area. For ensuring these activities being conducted regularly, School Management Committee has been constituted. Urja Volunteers are chosen among students to keep the students engaged with the clean energy and clean environment drive.

A.1.2.9. Capacity building trainings for project staffs:- As capacity building of the project staff is essential for effective implementation of the action, training programs related to the financial and programmatic management, advocacy and communication will be organized in the Nov.2021.

A.2.1.1.Formation and Strengthening of Village Level Clean Energy Solution:- As the VCEC meeting at the village level was worst hit by second wave of covid-19. Although we manage to conduct 243 village level Clean Energy Solution meetings across 4 intensive blocks of the four districts. This is one of the core activities which has been initiated by the team in almost all Blocks of our intervention. The committee ensure that all the projects related to clean energy from state and national governments reaches to the beneficiaries at the village level. The impact of the project is now clearly seen in the villages as the community are more aware of the ill effect of the smoke from the wood cooking stove,limiting usage of incandescent bulb,laltern and adoption of clean energy in the form of smokeless chulha, LPG gas,LED bulb, etc. The people are aware of the schemes of the central & state govt.,as a result demand application are coming.

A.2.1.2. Conduct Panchayat Level Networking Workshops with PRI Members:- 22 Panchayat Level Networking Workshops have been organised across the intervention areas. It establishes a link between the PRI and RACE partners and ensures that all the activities run smoothly which included sharing concept of CES, issues identification, linkages and convergence with government schemes and Panchayat plan and role of PCES committee. Making people's representative sensitive about CES ensures greater penetration, better follow up, and sustainability of such interventions.

A.2.1.3. Formation, Strengthening Block level CES Forum:- Block level forum has been constituted and strengthening activity has been conducted in all the four districts Ranchi, Gumla, Simdega & Khunti and have moved from intensive to extensive block. Altogether 10 block level activities has been conducted so far. Such forum has ensures monitoring as well as dissemination of government schemes like, installation of solar water tank, solar street lights, solar lamps, etc to the rightful beneficiaries with RACE partners support. It ensures convergence between government plans and panchayat plans, and also sensitises block level officials towards CES.

A.2.1.4. Formation, Strengthening District level CES Forum:-As district officials were engaged in the covid-19 response of second wave we could have manage to conduct 1 district level meeting i.e. at Khunti. In the coming month rest district will conduct district level forum.

A.2.1.5. Formation, Strengthening State level CES Forum:-After conducting 2 state level meetings in the past 2 years, we could observe that various useful suggestions and recommendation have come through the meeting. State level program will be conducted in the coming month as per the plan and availability of the Govt. stakeholders and CSOs availability. It will done in presence of guests from JREDA, SELCO Foundation, UNDP, etc & and media. It will be conducted centrally at PMU level with sharing project details, role and responsibilities of partners and RACE team. Stress would be laid upon the SDGs 7 and SDG 13 on access to clean energy.

A.2.1.6. Create and award Media Fellowship:-After creation of media platform through the Media Engagement Workshop past 2 years back, media fellowship is given to about 14 media partners for their research work in the field of Clean Energy for creating mass awareness among the people.

A.2.1.8:-Organize CES Summit cum Exhibition:- A CES Summit cum Exhibition will bring together products and services related to various Government schemes, CES manufacturers, service providers, private sector, etc. under one platform. The project will collaborate and partner with the Government, industry associations, state chamber of commerce, private sector, NGOs and foundations to jointly organise this event. Along with the display of products and services, parallel technical sessions will be organised to create awareness on Government schemes and innovative products related to CES. The exhibition will be open to public to see and experience various energy efficient products and services. The portfolio of different technologies like roof top solar system, solar water heating systems, solar home lighting systems, solar lanterns, solar irrigation pumps, solar mobile chargers, solar cookers, fuel efficient cook stoves, biomass briquette machine, biogas digester, biomass cooking solutions, solar hybrid RO plant, renewable energy based rural livelihood applications, LED solar torch, solar RO plant, solar Inverters, etc. will be showcased. The active participation of state Government will also reflect their positive attitude and commitment to combat energy poverty and build strong credibility among other stakeholders involved in the sector. If the events are successful, they could potentially convert into a sustainable income

generating service for the state level CSO network after the end of the project period. For the exhibition we will be supported by JREDA, JSLPS, UNDP, SELCO, WRI, CEED, Genysel, Rani Enterprises, Sunson Enterprises, TERI, RAL and various other SHG groups with their products.

A.3.1.2:- Organize Skill Training of Youth:-For ensuring sustainability of the project, 34 youths from the intervention area itself have been imparted training over clean energy for the role of master trainer. They have been trained on the subjects of manufacturing & assembly of energy efficient cook stoves, access to finance and enterprise financing for CES and marketing & selling of solar lights and rural spark energy kits. A total of more than 1800 trained youths are ready in the field through these master trainers. They are getting entrepreneurial opportunities and are creating employment opportunities as well. They were being selected through VCEC and after handholding support, they are turning into entrepreneurs. This step is critical to long term sustainability of the intervention

A.3.1.3:- Organise Green Business Challenge (GBC):-After working on awareness generation, skill development and capacity building on CES, the project approach is now directed towards sensitization of the rural community to take up CES entrepreneurship within the region. The Green Business Challenge organized in The Namkum Block, Ranchi on 11th August 2021 to identify and promote the emerging CES entrepreneurs with innovative business ideas/models. Youth entrepreneurs from all the 4 districts were invited. The challenge providing a unique opportunity for rural youth and emerging entrepreneurs from the region to develop and refine their business plan with long term sustainability. Support in terms of hand holding, business incubation, mentoring and networking is provided with instrumental steps towards strong foundation of robust business models. In this process more than 80 business proposals have been received and scrutiny is going on. In this time period we have conducted 4 roadshows in all 4 districts with about 350 participants. 350 participants attended the event.

A.3.1.5:- Organise Mobile Van for CES Demonstration:-Mobile Van for CES demonstration is a regular process which is regularly carried out in the field. The mobile van has been used for 62 days in field to create awareness in the field even during the covid-19 period.

Other Activities:

Monthly Staff Meeting including All Partners: A total of 24 staff meetings has been conducted in the given time frame of 6 months. As during the covid-19 second wave about 08 Virtual Meetings were conducted online in all project areas. This is done both at PMU and field levels routinely to ensure coordination and regular sharing of information both top-down and bottom-up and monitoring of the project.

Quarterly Monitoring Visit: 4 Monitoring visits have been conducted so far 1 in each district by LEADS PMU team, apart from this 7 field visits have been also conducted. The report was shared with the DPMS and the PMU team for follow up and also discussed during project review meeting. These visits provide an opportunity for community interaction, staff performance review, reporting and documentation, technical and conceptual inputs. This enables the PMU to develop fresh

modalities to ensure that everybody rides the ship of progress while contributing to ultimate objective of people's welfare.

Website:Website plays an important role in sharing the information to the Govt. Stakeholders, CSOs, PRIs and the community.As various useful information of the current Govt. schemes is being shared through the portal,case stories from the field and the upcoming and ongoing event are shared to the people for better understanding. Website on Clean Energy Solutions has been developed with the address www.racejharkhand.org. This online presence provides a platform not just to disseminate information on clean energy but also to update activities and associated data along with demonstrating achievements of the intervention.

Develop and CES mobile app: For dissemination of information and for recording the progress of the activities of the project, mobile application has been developed and regular update of day to day activity is shared from the field.It has been a useful tool for tracking o events centrally. So far more than 16700 entries has been completed, and we have benefitted more than 204156 people directly or indirectly from the project.

Development of Smokeless Chulha: The smokeless chulha which was started from making at the skill training has reached about the more than 400 HH and trained more than 350 women who had been trained.

Application of Demand Generation: Advocacy and awareness has been the most important activity of the project. Keeping this in mind we have received more than 2200 applications on the various issues at the community levels,which are as follows:

- a. Maintenance of Solar Street Light- 453
- b. Maintenance of Solar Water Tank-621
- c. Ujjwala Gas Connection- 847
- d. Demand of Electrical Connection-27
- e. Demand of New Solar Water Tank-82
- f. Demand of Solar Integrated Efficient Cooking Stove-342

Covid Relief Activity:Covid relief work has been one of the major activity that has been done and was the need of time at the month of mid April and May where we have created social awareness to more than 15000 people and have distributed 1250 masks to frontline workers from our mask manufacturing unit at LEADS Perka ,Khunti.

KUSUM Scheme& Agriculture:After sensitization and training of farmers in the previous financial year all the 421 solar pumps had been installed and we have provided support JREDA with its nodal agencies in Geo tagging of the beneficiary to speed up the installation and also provided the semi skilled manpower to be provided with job.About 25 youths have been engaged in the work of installation of Solar Pumps to enhance their skills and livelihood.

B.ACTIVITIES**Activities Implemented during reporting period at a Glance**

Activities	No. of activities	Duration (Date)	Venue	Descriptions	Participation					
					Male	Female	PwD	Single women	Old age	Total
Steering Committee Meeting	1	1Sept. ,2021	PMU Office, Ranchi	Meeting focused on strategic planning, issues resolving, progress reviewing and finance and administration	8	3	0	0	0	11
Monthly Staff Meeting	24	42 hrs.	Monthly staff meeting conducted on last working day in every month for the purpose to review of every staff performance both quantitative and qualitative, collecting last month achievements report, activity report, Case study and action plan for upcoming month.	Regular meeting of RACE team member covered target and achievement review, role and responsibilities, technical input, in house capacitation and action plan.	125	36	---	----	---	161
Quarterly Monitoring Visit	13	13	All four intensive blocks of Namkum, Murhu, Kolebira & Bishunpur.	In quarterly review meeting we covered field visit and community interaction, Staff performance review, reporting and documentation, technical and conceptual inputs	216	185	3	11	15	430
A.1.2.2: Accessible IEC material development and distribution			Printed - 2 different brochure of Solar based Equipments maintenance manual and process documentation ,	Published and distributed to Govt. Officials, PRI, CSOs, Schools, VCEC etc						

			Revised & Updated Print -3 Poster on CES,3 Pamphlets on CES , Brochure on RACE project.							
A.1.2.4: Organized wall writing on CES issues in Extensive and Intensive village	96	96	Khunti- 32 Nos. Simdega- 30 Nos. Ranchi- 12 Nos. Gumla- 22 Nos.	Wall writing done on Clean Energy Solutions, Solar based Government Schemes, policy, importance and need of utilization of solar based equipment to conserve our living earth from pollution and promotion of all indicators of clean energy solutions.	-----	-----	-----	-----	-----	-----
A.1.2.5: Development of Website on CES	1	Regular Updation of day -to-day activity.	Website on Clean Energy Solutions has been developed in the name of www.racejharkhand.org	In the website there are different information and contents regarding project and details of project activities, CES, Govt. Services and Schemes, case studies have been mentioned.						
A.2.1.4 : Formation and strengthening of District Clean Energy Solutions Forum	1	11 September 2021	Conducted on the formation and Strengthening of District Clean Energy Solution network on 11 th of September in Khunti district at DRDA Conference hall, Khunti.	State level CES Network has been formed to sensitize, promote, advocate and lobby around the issues related to CES. Annual state level programs will be organised in order to sensitize, promote, collaborate, advocate and lobby, with various stakeholders on CES issues.	43	52	2	10	-----	107
A.1.2.6: Develop mobile movie kit on CES	1		A set of Mobile movie kit developed	Mobile movie kit consists of Laptop, LCD, Power bank, Sound System etc. Videos on CES, recorded Songs and voice over etc.						
A.1.2.8: Organize School event on CES	223	223 days	In this time period schools remained closed for most of the while.223 child centric activities conducted in the intervention schools. Through ECO club there were various	Under school level event on CES, drawing, Speech, Awareness Songs, rally, Clean Energy Bank, Hand wash, Nutrition garden covered among school children	3015	2553	7	0	0	5569

			activities conducted under the project intervention school. Children based activities conducted in a participatory mode like slogan writing, drawing competition, poem writing etc.							
A.2.1.1: Formation and strengthening of Village level CES Forum (VCES):	243	Days	236 intervention villages of 4 intensive Blocks namely Murhu, Kolebira, Bishunpurand Namkom	Concept of Clean Energy, CES, Functions of VCESC, Structure, Govt. schemes, role of Urja volunteers were the main agendas.	1897	2453	12	07	05	4374
A.2.1.2: Conduct Panchayat Level Networking workshop with PRI Members :	22	22 days	Phanchayat Bhawan of 22 Panchayats of Interven on area in last six months.	Sharing concept of CES, Issues identification, linkages and convergence with govt. schemes and Panchayat plan. Role of PCES committee.	583	764	5	19	15	1386
A.2.1.3: Formation and strengthening of Block Level CES (BCES) Forum	10	10 days	Khunti- Murhu,Karra,Arki,Torpa Block Ranchi- Angara,Namkum Block Simdega- Bano,Jaldega Block Gumla- Ghghra,Bishunpur Block	Sharing concept of CES, Issues identification, linkages and convergence with Govt. Schemes and Panchayat Plan.	319	241	3	7	6	576
A.3.1.2: Organize skill training for youth	81	81 Days	Gumla,Ranchi,Simdega &Khunti	Training on the subjects of manufacturing & assembly of energy efficient ccok stoves, access to finance and enterprise financing for CES and marketing & selling of solar lights and rural spark energy kits.	1061	741	13	0	0	1815
A.3.1.3 : Organize Green Business Challenge (GBC)	5	5 days	In collaboration with European Union, LEADS organized a workshop on Green Business Challenge under the ongoing Rural Access to Clean Energy	The Green Business Challenge has been organized to identify and promote the emerging CES entrepreneurs with innovative business ideas/models. The challenge is initiating to provide a unique opportunity for rural youth and emerging	142	154	3	18	----	317

			project. The main objective of the workshop was to promote the rural community to adopt clean energy entrepreneurship, through financial linkages with various financial institutions as well as companies providing clean energy solutions in the state. Roadshows have been conducted in 4 districts i.e. Ranchi, Khunti, Simdega & Gumla	entrepreneurs from the region to develop and refine their business plan with long term sustainability. Support in terms of hand holding, business incubation, mentoring and networking are in the process to provide instrumental steps towards strong foundation of robust business models in Khunti district of Jharkhand.						
A.3.1.5; Organize mobile van for CES demonstration	62 villages under intensive and extensive blocks in Khunti district.	62 days	Mobile Van Covering the entire four districts as per the plan schedule.	CES Mobile van decorated with solar panel, public addressing system, home light equipment, mini biogas plant, Sign board and flex, mobile movie kit etc.	895	1643	43	23	61	2665
A.3.1.6: Develop and promote use of CES mobile app	16793 entries have been made till date.		Day to day activity of the 4 Blocks of Khunti, Simdega, Gumla & Ranchi	LEADS has developed mobile app based on Clean Energy Solutions under the Rural Accessible Clean Energy (RACE) project.						20415 6

2.3: LOGFRAME MATRIX UPDATED

Activities Implemented during reporting period at a Glance

Submit an updated version of the Log frame matrix, highlighting the changes eventually introduced.

	Results chain	Indicators	Baseline	Current value/Achievement during reporting period	Targets (incl. reference year)	Targets (incl. reference year)					Sources and means of verification	Assumptions	
			Reference year 2019	Reference date 1 st April, 2021- 30 Sept. 2020		Y 1	Y 2	Y 3	Y 4	Y 5			
Overall objective: Impact	Clean Energy Solutions (CES) are available, accessible and affordable to the rural tribal communities of Jharkhand	No. of HHs (men & women) using CES (for eg: solar irrigation pumps, solar lights, fuel efficient stoves, biomass briquettes etc) in project area GAP II Indicator: 16.8.N# of women of all ages provided with access to sustainable energy services with EU support (EURF) SDG 7.1.1 Proportion of population with access to clean energy services	<ul style="list-style-type: none"> 21% of the HHs are using solar lights. 12.29% of HHs have LPG. 15% solar street lamps are functional. 8.8% overhead drinking solar water tanks have been installed with panchayat fund. 1.5% families are irrigating using solar irrigation pump. 0.5% school children are using solar lamp for studies. 55% families are getting safe drinking water using solar water tanks. 0.5% families are 	<ul style="list-style-type: none"> 6756 HHs are using solar lights Till now a total of 1173 students of 67 schools are using solar lamps. 108 families have received LPG connection under UjjwalaYojna. 357 solar street lamps are functional and 1219 lamps are defunct. 187 solar overhead water tanks have been installed with Panchayat Fund. 631 HH families are irrigating their land through solar Irrigation pump Families are getting safe drinking water through solar water tank. 190 families are using smokeless chulha made by mud and a locally available material in addition of that 24 new smokeless chulha has been instaled. 91 Solar water tank has been repaired by combined effort of VCEC, Block,PHED or mukhiya fund. 1 Biomass plant installed at 	<ul style="list-style-type: none"> At least 500,000 HHs will have access to and will be using CES technologies by the project end. 	1	1	1	1	0			
						0	2	2	2	4	0	0	0

			using smokeless chulha.	<ul style="list-style-type: none"> Saparom. Ujjwala Gas- 543 Kusum Yojna- 1283(sensitized) -441(application submitted & installed) Har Ghar Jal Nal Yojna-1835HH 								
Specific objective(s): Outcome(s)	Oc 1.1: Sensitized, aware and capacitated duty bearers, civil society organizations (CSOs), Panchayati Raj Institutions (PRIs) promote CES in 24 blocks of 4 districts in Jharkhand	<p>Number of Suggestions in Situational Analysis report (SAR) that are considered by the government Authorities at various levels</p> <p>Number of PRI members that include CES in their development agenda</p>	SAR is under the process of development.	<ul style="list-style-type: none"> Suggestions 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 has been discussed with the government authorities. We have CSOs network on different issues like education, livelihood, health, gender etc all over Jharkhand and we are identifying potential and like-minded CSOs in four districts namely Ranchi, Gumla, Simdega and Khunti. Till date we have identified 25 CSOs for replicating model of Clean Energy Solutions. PRIs like 38 Mukhiyas, 78 Gram Pradhans, 87 Wards and 9 Gram Sewaks have been sensitised for CES. They have accepted applications of community on different issues. They have also promised to resolve the issues once next year's panchayat fund is received. 42 solar lights have been installed in 42 schools. 18 applications approved in 18 schools for installation of water 	<p>At least 20% suggestions are considered by the Government</p> <p>At least 250 PRI members include CES in their development agenda</p>	0	5 %	8 %	10 %	12 %	<p>PRI formal documents and records of government orders related to CES Government reports on fund allocation to CES at state level</p>	Conducive atmosphere in the villages

				<p>tank.</p> <ul style="list-style-type: none"> School Management Committee has been formed in 16 schools. 										
Oc 2.1 : Increased multiple stakeholder dialogues and advocacy on CES in 24 blocks of 4 districts in Jharkhand	Number of grant applications on CES made by CSO which are recognized/ considered by the Government	The data would be provided post formation of district level CES forum.	<ul style="list-style-type: none"> 854 Applications related to repairing of solar street light, solar water pump, installation of solar water pump ,new LPG gas connection through uJWALA Scheme and water and sanitation problem has been submitted to Gram Panchayat by village level Clean Energy Committee. 	At least 10% of the applications made by CSOs are recognized/ considered by the government	0 %	3 %	4 %	10 %	12 %	CSO records of government responses to their grant applications Newspaper clips, media reporting	Willingness, cooperation and receptiveness of government officials and policy makers Media gives due importance & coverage to corresponding developments with CES			
Oc 3.1 : Enhanced skills and entrepreneurship environment in clean energy sector	Number of CES entrepreneurs (men & women) working in the target districts Number of Micro-finance institutions (MFIs) providing micro-finance to CES businesses/ entrepreneurs Number of new Private sector engaged in CES in the area	0.65 % entrepreneurs are working for CES. No MFI are financing CES business presently. 11 companies are engaged in providing CES.	<ul style="list-style-type: none"> 385 UrjaMitra from 4 districts have been identified. They have facilitated village level Clean Energy Committee meeting; where they have proposed resolve village level issues. They will be promoted as Clean Energy Entrepreneur when skill development training is imparted to them. We have identified private companies like RAL,Photon Galaxy, S. P. Eco Fuel, BIO TECH INDIA etc which are working for solar lights and equipments supply. We have built good relation with them. They are interested to work in RACE project.. 	<p>An increase of at least 50 CES entrepreneurs (men & women) by the project end</p> <p>At least 5 MFIs start investing on CES in the area</p> <p>At least 5 private sector players engaged in CES in the area</p>		0 8	1 5	2 5	4 5	Testimonials and stories as collected by the project (midterm and end year) through AKVO RSR tool	Adequate entrepreneurs are available and interested in addressing CES			

Outputs	Op 1.1.1 (related to Oc 1): At least 10 policies and schemes related to clean energy are identified and analysed and gaps in the existing policies are shared with policy makers for necessary modifications Op1. 1.2: CSOs, PRIs, tribal youth and community members are mobilized and rights based replicable development models for promotion of clean energy are developed	Number of interface meetings conducted by CSOs with District and State government representatives to share Situational Analysis Report (SAR) on CES in Jharkhand Number of interface meetings conducted by CSOs for representing CES issues to the Government department and State ministries	2 SAR reports has been shared. None	<ul style="list-style-type: none"> We have shared details of the RACE project with the existing CSOs forum during its meetings but formal meeting with CSOs would be conducted in the next year. We are in the process of developing Clean Energy Solution Models in our project district. The experience and achievement would be shared with the CSOs during formal meeting. Mukhiyas and Panchayat Sewaks have accepted applications of community on different issues. They have also promised to resolve the issue once the next year's panchayat fund is received. 227 Urja Mitra from 4 districts have been identified and trained. They will be promoted as Clean Energy Entrepreneur when skill development training is provided to them. 	At least 150 interface meetings each done by CSOs with Block, district and state government authorities in year 2 and 3 to share SAR At least 300 interface meetings on CES issues are conducted by CSOs with Government and state ministries	8 0	8 0	4 0	4 0	Meetings and minutes and register records of CSOs Meeting minutes
	Op 2.1.1: (related to Oc 2) Forum of CSOs is established at various levels for advocacy and lobbying and linkages between CSOs, PRIs, Government,	Number of PRI representatives trained and mobilized in the project area Number of forums discussing CES issues at village, block, district and state level Number of private sector and MFIs related to CES actively participating in	None None None None	<ul style="list-style-type: none"> 222 PRIs (36 Mukhiya, 8 Panchayat Samiti members, and 90 Ward members, 9 panchayatsewak, 79 gram pradhan) participated in panchayat level workshop on CES. 236 village level CES forums 22 Panchayat level CES forums have been formed to discuss CES issues. 11 Block Level CES forum 1 District Level Forums 4 Roadshows on GBC in 4 different districts. 	At least 464 PRI representatives trained and mobilized on CES At least 343 village level forums, 4 block level forums, 4 district level forums and one state level network highlight CES issues. At least 50 private	5 0	2 0	2 0	1 0	0 0

	private sector and community are strengthened	forum events Number of clean energy related events jointly organized by CSOs, private sector and government		<ul style="list-style-type: none"> 6 companies like Pragati Bio and Renewable Energy, RAL, Photon Galaxy, S. P. Eco Fuel, BIO TECH INDIA, Rani Enterprises, and DESI Technologies have shown interest in joining the forum. JREDA, UNDP, WRI, CEED, TERI we are currently working in coordination for various programs. 	sector and MFIs related to CES participate actively in forum event in 3 rd and 5 th year. At least 2 CES state summits cum exhibitions are organized jointly by CSOs, private sector and government	0	0	2	0	3	Workshop/consultation/ event reports	
						0	0	0	0	0	Summit reports/proceedings	
						0	0	1	0	1		
	Op 3.1.1 (related to Oc 3): Nodal Manufacturing and skill training centre on CES are established	<p>Number of people (men & women) access CES (solar lights/ biomass/ briquettes) through the nodal centre .</p> <p>Number of youth skilled on CES in the project area.</p> <p>Number of young entrepreneurs (start-ups)- men & women who develop business plans around CES to pitch to potential investors.</p> <p>Number of people (men & women) using mobile app and smart SMS technology for availing information and services related to CES</p>	<p>None</p> <p>None</p> <p>None</p> <p>None</p>	<ul style="list-style-type: none"> 13467 are taking advantages of different clean energy solutions like, solar lights, solar irrigation and overhead water pump, smokeless chulha ,Kusum Schemes, etc. Total of 23 Youths have been identified for development as CES entrepreneurs and further VCEC have been given responsibility to identify more such individuals. Presently field staff are utilising the mobile app for recording data and further information sharing would be done with linkage from the website. Community level information is being shared like demonstration, movies local songs, posters, announcements and pamphlets. 	<p>At least 2500 people access CES through the nodal centre.</p> <p>At least 2000 youth receive skill training on CES by the end of Year 4</p> <p>At least 10 young entrepreneurs (start-ups) who have received seed funding from CES</p> <p>GBC have complete business plan for pitching</p> <p>At least 10,000 people use mobile app or smart SMS for CES enquiries</p>	0	0	1	1	0	Register and records of the	
						0	5	0	0	5		
						0	0	0	0	0	Nodal centre Interaction with entrepreneurs	
						0	4	8	8			
						0	0	0	0			
						0	0	4	6	0	Data analytics of mobile app	
						0	2	3	4	4		
						0	0	0	0	0		
						0	0	0	0	0		

Please list all contracts (work, supplies, services) above Euro 60000 awarded for the implementation of the action during the reporting period, giving for each contract the amount, the name of the contractor and a brief description on how the contractor was selected.

2.4: Please provide an updated action plan for the future activities of the project

Year 3– 1 st April 2021 to 31 st March 2022														
Activity	Half-year 5						Half-year						Implementing body	
	1	2	3	4	5	6	7	8	9	10	11	12		
Steering Committee Meeting														LEADS
A.1.2.2: Accessible IEC material development														LEADS
A.1.2.3: Organize Street Plays and dramas														LEADS
A.1.2.4: Organize wall-writings on CES issues in Extensive and intensive villages														LEADS
A.1.2.7: Develop and broadcast radio program on CES														LEADS
A.1.2.8: Organize school events on CES														LEADS
A.1.2.9: Capacity building trainings for project staff														LEADS
A.2.1.1. Formation & Strengthening of Village CES Forum (VCES)														LEADS
A.2.1.2: Conduct Panchayat Level Networking workshop with PRI Members														LEADS
A.2.1.3 Formation & Strengthening of Block CES (BCES)														LEADS
A.2.1.4 Formation and Strengthening of District CES (DCES)														LEADS
A.2.1.5 Formation of State CES Network(SCES)														LEADS
A.2.1.6 : Create and award Media Fellowship														LEADS
A.2.1.8:Organise CES Summit cum Exhibition														LEADS
A 3.1.2. Organize skill Training for youth														LEADS
A 3.1.2. Organize Green Bussiness Challenge														LEADS

A.3.1.5: Organize Mobile Van for CES Demonstration														LEADS
Mid Term Evaluation														LEADS

Note: Activities completed the 5th Half Year are coloured with Green and 6th Half Year planned activities are coloured with Blue

3. Beneficiary(ies)/affiliated entities and other cooperation

4.1 How do you assess the relationship between the beneficiary (ies) /affiliated entities of this grant contract (i.e. those having signed the mandate for the coordinator or the affiliated entity statement)? Please provide specific information for each beneficiary/affiliated entity

Response: With the changes change of FCRA rules, since September 29, 2020, LEADS is directly implementing the RACE project in the 24 blocks of the 4 districts with its own resources.

4.2 How would you assess the relationship between your organisation and State authorities in the Action countries? How has this relationship affected the Action?

LEADS is a professionally managed credible organisation in the state and also provide leadership to various state and national forums. LEADS is working with State Govt. in various projects and A K Singh Director, LEADS is committee members in various state committee and provide input to ministry of finance, ministry of rural development and ministry of education. LEADS is member of GCAP Asia and Convener of Wada Na Todo Abhiyan (WNTA), India which is largest network of CSOs in the country. This identity has connected LEADS with government's different developmental departments.

We are closely working with Jharkhand Renewable Energy Development Authority (JREDA) which is responsible to promote clean energy in Jharkhand and all staffs are supporting us as and whenever required. LEADS in coordination with UNDP has assisted JREDA to fulfil the target of KUSUM Yojna for Jharkhand for the year 2019-20 in the 17 districts of Jharkhand where the targets were not achieved.

3.3. Where applicable, describe your relationship with any other organisations involved in implementing the Action:

- **Associate(s) (if any):** NA
- **Contractor(s) (if any):** NA
- **Final Beneficiaries and Target groups:** We have provided benefit to more than 200000 people from the community directly or indirectly. We are keen to provide all possible support to our stakeholders in the field to reach effectively to all 500000 beneficiaries proposed under the project.
- **Other third parties involved (including other donors, other government agencies or local government units, NGOs, etc.):** SELCO is associated with various other business establishments on solar energy in Jharkhand where it has supported in installation of Potter's wheel in the Torpa Block of Khunti District. TERI has assisted in provided solar integrated efficient cooking stoves

3.4. Where applicable, outline any links and synergies you have developed with other actions.

LEADS has initiated converging with other solar based support and as a result, we have linked more than 34000 families in a span of two and half years' time with renewable energy schemes/clean energy schemes. LEADS has skilled and developed resource person on smokeless chulha which consume less fuel as compared to the traditional cooking stove. We have promoted large number of such smokeless chulha in our location. We are also facilitating to get LPG gas connections to each family where ever we get such opportunity under the UJJWALA 2.0 Scheme. Integrated solar efficient

cooking stove is being provided in association with TERI, which has resulted into near 200 such cook stoves being distributed among the villagers in Gumla district.

3.5. if your organisation has received previous EU grants in view of strengthening the same target group, in how far has this Action been able to build upon/complement the previous one (s)? (List all previous relevant EU grants)

Response: LEADS received the EU support but for the Good Governance project and not on the same line and for the same area. We got support in partnership with WHH, Netherlands.

4. Visibility

How is the visibility of the EU contribution being ensured in the Action?

Response: We put logos of EU at all publications, IEC mobile van, banners and resource materials. We duly acknowledge the EU contribution in all spheres of this project implementation starting from community to state level.

The European Commission may wish to publish the results of Action. Do you have any objection to this report being published on the Europe Aid website? If so, please state your objections here.

Response: No Objection

Name of the contact person for the Action: Mahendra Kumar, Project Manager

Signature:

Location: Ranchi, Jharkhand, India

Date report due:

Date report sent: