

#### GOLD STANDARD MONITORING REPORT Version 3, 21/10/2015

Solar Thermal Power Plant by Godawari Green Energy Limited UNFCCC Ref. Number: 7379, GS Ref: 3429

Monitoring Period: 19/06/2013-30/06/2015 (both days included)

One single Monitoring Report is prepared for this Monitoring Period.

The Monitoring of Sustainable Development Indicators was conducted in accordance with the GS passport. According to requirements of the Gold Standard, the project activity must be assessed against a matrix of sustainable development indicators. Indicators that were not scored neutral must be monitored.

The SD Matrix as in the passport is as follows:

Indicator	Mitigation measure	Relevance to	Chosen	Preliminar
		achieving MDG	parameter and	y score
			explanation	
Gold	If relevant copy	Check	Defined by	Negative
Standard	mitigation measure	www.undp.or/mdg	project	impact:
indicators of	from "do no harm" -	and	developer	score '-' in
sustainable	table, or include	www.mdgmonitor.or		case
developmen	mitigation measure	<u><b>g</b></u>		negative
t.	used to neutralise a			impact is
	score of ''	Describe how your		not fully
		indicator is related		mitigated
		to local MDG goals		score 0 in
				case
				impact is
				planned to
				be fully
				mitigated
				No change
				in impact:
				score 0
				Positive
				impact:
				score '+'
Air quality		The interventions will	In the absence	+
		reduce dependence	of project scenario, the	
		on grid supplied	Scenano, ine	



Г	T		ODAHARI OREE	
		electricity (predominantly coal generated) thereby reducing national outdoor emissions due to non-renewable sources of fuel used for power generation. Improvement in air quality will reduce GHG emission and acid rain which affects terrestrial ecology, biodiversity and human health. These two issues have direct impact on environmental sustainability (MDG 7)	equivalent amount of electricity is being generated by the power plants connected with the NEWNE grid. These plants are dominated by the use of fossil fuels to generate electricity. This leads to substantial emission of particulate matter (PM), sulphur dioxide (SO <sub>2</sub> ) and Nitrogen Oxides (NOx) resulting in adverse impact on human health and flora/fauna. Further, fossil fuel power plants generate significant amount of fly ash which is very challenging to address in the	
Water quality	1. Soil and water	The project abstracts	country. Quantity of	0
and quantity	conservation and water quality improvement drive 2. Rain water harvesting and ground water recharge drive 3. Drive for effective natural resource	water from canal. The project is state of art technology include lesser equipment, higher equipment reliability, higher power cycle efficiency, lesser parasitic and pumping	water withdrawal from the canal is being monitored on monthly basis.	



	development/agricultur	losses and sourced		
	e yield improvement programme	by reputed international suppliers leading to transfer of technology. There is no waste water discharged outside the plant. Treated water is used for cleaning and horticulture.		
Soil condition		MDG 7 of environmental conservation	Construction of solar power plant and generation of solar power doesn't lead to any significant alteration of the soil condition. Land tilling was done inside the construction area only and any dug land was used to create elevated location only. There was no waste in installation of Solar panel or demolition to create debris or excavation waste. Since land was elevated after digging of land inside the plant premises, there was no land displacement from the surrounding plant boundary. Also no debris	0



		9.	ODAWAKI GREE	IT EITEROI
			was disposed	
			or waste was	
			dumped to the	
			surrounding	
			location or	
			outside the	
			plant location.	
			Land dug for	
			pond was used	
			to elevate the	
			land where	
			solar field are	
			installed.	
Other	N.A.	MDG 7 of	level of noise:	0
pollutants		environmental		
1- 0		Conservation	Solar systems	
		20110011441011	do not	
			generate any	
			pollutants	
			which are	
			harmful to	
			the	
			environment	
			. However,	
			disposal of batteries and	
			used solar	
			equipment	
			may pose a	
			problem if	
			not done in	
			the right	
			manner. The	
			disposal of	
			the used and	
			waste	
			batteries is	
			done	
			through a	
			proper	
			vendor who	
			ensures it is	
			recycled.	
			GGEL	
			performs a	
			Proper	
			disposal of	
			waste or	



	T		DAMAKI OKEL	
Riodivorsity	N. A	MDG 7 of	used battery through a vendor and taking this as an important parameter is put in the Monitoring plan of the Passport.	
Biodiversity	N.A.	MDG 7 of environmental conservation	The project will not lead to any change in biodiversity as the project is installed in the barren land. No animals, plants or habitats are affected by the project activity. The ecosystem surround the project area is not endangered, the impact deriving from the project is not significant on biodiversity so, it scores '0'.	0
Quality of employment		Employment creation assist in achieving MDG 1	The project has employed nearly 1000 people during the construction phase & post commissioning, 169 persons are employed. At present, 169 persons are	+



project out of which, 60 people are for mirror cleaning hired from local areas. These include management, sales personnel, technicians, and administrators . All personnel will receive extensive training in the GGEL by technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Livelihood of the poor  Employment creation assist in achieving MDG  1 Project activity created direct and indirect employment opportunities during		9	ODAWAKI GREEN ENERG	
which, 60 people are for mirror cleaning hired from local areas. These include management, sales personnel, technicians, and administrators . All personnel will receive extensive training in the GGEL by technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Livelihood of the poor  Employment creation assist in achieving MDG  To people are for mirror cleaning hired from local areas includes that of fitter, welder, soft skill and technology.  Project activity created direct and indirect employment opportunities during			employed in this	
people are for mirror cleaning hired from local areas. These include management, sales personnel, technicians, and administrators . All personnel will receive extensive training in the GGEL by technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Livelihood of the poor  Employment creation assist in achieving MDG  Employment creation and indirect employment opportunities during			project out of	
mirror deaning hired from local areas. These include management, sales personnel, technicians, and administrators . All personnel will receive extensive training in the GGEL by technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Livelihood of the poor  Employment creation assist in achieving MDG  The poor area of the provided and indirect employment opportunities during the comployment opportunities during the complex personnel area of the poor the poor area of the poor area of the poor the			which, 60	
mirror deaning hired from local areas. These include management, sales personnel, technicians, and administrators . All personnel will receive extensive training in the GGEL by technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Livelihood of the poor  Employment creation assist in achieving MDG  The poor area of the provided and indirect employment opportunities during the comployment opportunities during the complex personnel area of the poor the poor area of the poor area of the poor the			people are for	
hired from local areas. These include management, sales personnel, technicians, and administrators . All personnel will receive extensive training in the GGEL by technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Livelihood of the poor  Employment creation assist in achieving MDG  MDG  Employment creation and indirect and indirect and indirect employment opportunities during				
areas. These include management, sales personnel, technicians, and administrators . All personnel will receive extensive training in the GGEL by technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Livelihood of the poor  Employment creation assist in achieving MDG assist in achieving and indirect employment opportunities during				
include management, sales personnel, technicians, and administrators . All personnel will receive extensive training in the GGEL by technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Livelihood of the poor  Employment creation assist in achieving MDG assist in achieving and indirect employment opportunities during				
management, sales personnel, technicians, and administrators . All personnel will receive extensive training in the GGEL by technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Livelihood of the poor  Employment creation assist in achieving MDG and indirect employment opportunities during				
sales personnel, technicians, and administrators . All personnel will receive extensive training in the GGEL by technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG 1  Employment creation created direct and indirect employment opportunities during				
personnel, technicians, and administrators . All personnel will receive extensive training in the GGEL by technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG 1  Employment creation assist in achieving opportunities during				
technicians, and administrators . All personnel will receive extensive training in the GGEL by technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG 1  Employment creation are in achieving mDG 2  Employment creation and indirect employment opportunities during				
and administrators . All personnel will receive extensive training in the GGEL by technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG 1  Employment creation assist in achieving mDG 1  Employment creation assist in achieving mDG 1  O created direct and indirect employment opportunities during				
administrators . All personnel will receive extensive training in the GGEL by technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG  1  Employment creation assist in achieving mDG  1  Administrators . All personnel will receive extensive training in the GGEL by technology technology.  Project activity created direct and indirect employment opportunities during				
Livelihood of the poor  Liveli				
will receive extensive training in the GGEL by technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Livelihood of the poor  Employment creation assist in achieving MDG 1  Employment creation apportunities during virile activity created direct and indirect employment opportunities during				
extensive training in the GGEL by technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Livelihood of the poor  Employment creation assist in achieving MDG  1  Extensive training in the GGEL by technology encountered internally by power plant experts. Through training, the quality of employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Company to the poor opportunities during the providers and indirect employment opportunities during				
training in the GGEL by technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG  1  Training in the GGEL by technology providers and interest experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Droject activity created direct and indirect employment opportunities during				
GGEL by technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG  1  Employment creation and indirect employment opportunities during				
technology providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG  1  methodogy providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Project activity created direct and indirect employment opportunities during				
providers and internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG MDG The training performed includes that of fitter welder, soft skill and technology.  Occupant Created direct and indirect employment opportunities during				
internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG  MDG  1  internally by power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Created direct and indirect employment opportunities during				
power plant experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG and indirect employment opportunities during			providers and	
Employment creation assist in achieving MDG 1  Experts. Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Civelihood of the poor   Employment creation assist in achieving MDG 1    MDG			internally by	
Through training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG and indirect employment opportunities during			power plant	
training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG and indirect employment opportunities during			experts.	
training, the quality of employment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG and indirect employment opportunities during			Through	
Livelihood of the poor  Livelihood of the poor    Continue   Conti				
Employment creation assist in achieving MDG  Employment creation assist in achieving MDG  Employment creation assist in achieving MDG  I memployment in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Divelihood of the poor  Employment creation assist in achieving MDG  I employment opportunities during				
in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG and indirect employment opportunities during  in India will be improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  O created direct and indirect employment opportunities during				
improved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG 1  Employment creation assist in achieving mproved Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  O created direct and indirect employment opportunities during				
Also, the employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG and indirect employment opportunities during				
employees hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG  MDG  MDG  The training performed includes that of fitter, welder, soft skill and technology.  O created direct and indirect employment opportunities during				
hired are qualified. The training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG and indirect employment opportunities during				
Livelihood of the poor  Employment creation assist in achieving MDG 1  MDG 1  MDG 1  Qualified. The training performed includes that of fitter, welder, soft skill and technology.  Project activity created direct and indirect employment opportunities during				
training performed includes that of fitter, welder, soft skill and technology.  Livelihood of the poor  Employment creation assist in achieving MDG and indirect employment opportunities during  training performed includes that of fitter, welder, soft skill and technology.  Project activity or created direct and indirect employment opportunities during				
Livelihood of the poor  Employment creation assist in achieving MDG and indirect employment opportunities during			•	
Livelihood of the poor  Employment creation assist in achieving MDG and indirect employment opportunities during			,	
Livelihood of the poor  Employment creation assist in achieving MDG and indirect employment opportunities during				
Livelihood of the poor  Livelihood of the poor  Employment creation assist in achieving MDG and indirect employment opportunities during				
Livelihood of the poor  Livelihood of the poor  Employment creation assist in achieving MDG and indirect employment opportunities during				
Livelihood of the poor  Employment creation assist in achieving MDG  1 employment creation created direct and indirect employment opportunities during				
the poor  assist in achieving created direct and indirect employment opportunities during  created direct and indirect employment opportunities during				
MDG and indirect employment opportunities during				
1 employment opportunities during	the poor			
opportunities during		MDG		
during		1		
during			opportunities	
			construction	
and operation			and operation	



	1		DEATHARI GREE	
			stages. Such	
			opportunities	
1			lead to higher	
			income levels	
			leading to	
			removal of	
			social	
1			disparities	
1			prevalent in the	
			region. As the	
			project activity	
			is located in	
			rural areas, the	
			project activity	
			would help in	
			improvement of	
			necessary basic	
			infrastructure,	
			such as roads.	
			The project	
			provides direct	
			and indirect	
			employment	
			opportunities to	
			skilled and	
			unskilled	
			labourer in turn	
			eradicating	
			poverty by	
			creating a	
			source of	
			income. The	
			project would	
			lead to	
			improved living	
			condition of the	
			end users by	
			saving money	
			spent on fuel	
			usage in DG	
			sets to produce	
Access to		The contributes to	electricity.	
Access to		The contributes to	The project will	+
affordable		MDG	deliver large	
and clean		7a through	quantity of	
energy		increased	electricity	
services		access and use	generated	
		of renewable and	through solar	



	alaan	anaray ta tha	
	clean energy, reduced per capita CO2 emission and reduction of forest destruction associated with energy provision. It also contributes to MDGs 3 and 2.	energy to the tune of 50 MW. Solar energy generates clean source of energy and affordable energy at a large scale. Solar energy is seen by government and businesses as one of the best solutions to provide clean and affordable electricity. In the absence of the project activity the same amount of energy would have been produced by either coal based power plant. Any clean additional electricity to existing location would add environmental greenness and reduce the price of power.	
Human and institutional capacity	The project contributes to MDGs 2 and 3 and could also have a neutral impact on MDG 1	The exposure to new technology for the employees in particular and country in general, aids in their capacity development. The same is ensured by conducting	0



1	1	9.	DDAWAKI GKEE	IT EITEROI
			training	
			sessions at	
			multiple levels	
			regarding	
			operation and	
			maintenance,	
			environmental	
			aspect, health	
			and hygiene.	
			Also, it	
			increases the	
			capacity to	
			implement	
			renewable solar	
			thermal and	
			photovoltaic	
			units. Hence	
			the parameter	
			is considered to	
0 11 11		110011	be neutral	
Quantitative		MDG 1 is achieved	The project	+
employment		through the project	preferred staffs	
and income		creating an	from local	
generation		avenue for	residents, so	
		enhancing	the	
		income-	rate of	
		generating	employment	
		activities in	in the	
		addition to direct	community is	
		jobs.	increased.	
		•	Since the	
			activity of	
			GGEL focuses	
			on rural areas,	
			a lot of	
			employees are	
			local as they	
			know the local	
			language.	
			Remuneration	
			offered by	
			GGEL for its	
			employees is at	
			par with	
			market	
			standard. By	
			creating jobs	
			in rural areas,	



	9	JUAWAKI GREE	IN EINEROI
		it further helps	
		to generate	
		economic	
		activity and	
		stem urban	
		migration. The	
		project has	
		employed	
		nearly 1000	
		people during	
		the	
		construction	
		phase & post	
		commissioning,	
		169 persons	
		are employed.	
		Local people	
		who are both	
		skilled and	
		unskilled are	
		part of the	
		temporary and	
		permanent	
		employees.	
		The employees	
		hired are	
		qualified and	
		equal	
		opportunities	
		are offered to	
		local people	
		with equal	
		remuneration.	
		The employees	
		from local	
		community are	
		in majority of	
		employees.	
Balance of	Saving foreign	Equivalent	0
payments	exchange	savings on	
and	ensures that	fossil	
investment	individuals,	fuels from the	
	companies and the	use of solar	
	country will have	energy. The	
	more funds for	project will	
	investing in other	help in saving	
	sectors of the	foreign	
	economy which will	exchange	



	<del>,</del>		JDAWAKI GREE	IN ENEKOI
		help the country's economy to grow and this will ensure that poverty levels are reduced (MDGs 1 and 8).	which would have been otherwise used for buying fossil fuels for use in the generation of electricity which the solar thermal project will displace from the national grid. There is no investment involved in foreign currency or investment from any other country. All investments for the project activity has been envisaged to be met domesticall y.	
Technology transfer and technological self-reliance		MDG 8	The project will help in the dissemination n and adaptation of solar technology in rural areas of India. The exposure of new technology to the similar companies	0



	aids in
	replication of
	technology
	and further
	technological
	development.
	However it
	does
	contribute
	to
	technological
	self reliance
	as solar units
	are designed
	and
	manufactured
	indigenously.
	As it is
	difficult to
	monitor the
	same
	therefore the
	parameter is
	deemed as
	neutral.

### ID 1: Air quality

#### Table as in the passport:

No	1
Indicator	Air Quality
Mitigation	No mitigation measure required
Repeat for each parameter	
Chosen Parameter	Electricity generation from the project
Current situation of parameter	Emissions from the combustion of fossil fuels
Estimation of baseline situation of	Stakeholder consultation with inhabitants near the project sites about the changes in air quality in terms of dust, odor and particulate conditions.



Future project target for		
parameter		Promotion of renewable energy based power generation
Way of monitoring	How	Interviews with the inhabitants of the area near the project site about dust, odour and particulate conditions of the environment
	When	Every Year
	By who	GGEL i.e. the project developer's authorized personnel as identified during the project lifetime

Local Stakeholders were interviewed for Air Quality improvement and asked for the environmental friendliness. The stakeholder response is captured every year in feedback form shared where they vouched on reduced noise, reduced dust and reduced particulate matter due to project activity, the same power would have been generated through fossil fuel otherwise.

The feedback has been positive not only on amount of electricity they are getting to their homes but also resulting in saving environment which would had been polluted by DG sets in the absence of the project activity.

#### ID 2: Quality of employment

No		2
Indicator		Quality of employment
Mitigation		N/A
Repeat for each parameter		
Chosen Parameter		Number of trainings provided to unskilled, semi-skilled and skilled people
Current situation of parameter		People are recruited without been properly trained, with unsafe work practices
Estimation of baseline		NA
Future project target for parameter		Hiring of skilled and unskilled personnel in the plant and providing specific trainings to them
Way of monitoring	How	Employment training record
	When	Continuous
monitoring	By who	GGEL HR & training department

Monitoring Result:



Before the start of the project activity, the local people had few odd jobs of to earn their livelihood. The locals where involved during the plant erection and training were provided to them in the running plant for both skilled and unskilled people.

Training is being provided to increase human and institutional capacity and records are being maintained. The Human Resource department keeps the record and promotes for the welfare of the personnel.

#### ID 3: Access to affordable & clean energy sources

No		3
Indicator		Access to affordable & clean energy sources
Mitigation		N/A
Repeat for each parameter		
Chosen Parameter		Net energy generation by solar energy power plant
Current situation of parameter		Energy sources are expensive and not affordable to the poor and those living in rural areas have erratic power supply. A lot of them are dependent on expensive energy source either from grid, fossil fuel or wood.
Estimation of baseline situation of		Change in traditional fuel consumption of the villagers living nearby the project site, reduced blackouts and electricity quality
Future project target for parameter		To increase the share of renewable energy in the country's total energy generation & provide good electricity quality supply to people
Way of	How	Interviews with the local inhabitants near the project sites about change in fuel consumption pattern and quality of electricity supplied
monitoring	When	Ongoing, shall be monitored at least annually
	By who	GGEL personnel

#### Monitoring Result:

The electricity locals use to have was through DG sets and burning of fuels. Since the start of the project activity locals are getting clean energy and don't have to spent on the fuels or maintain their DG sets. Also electricity through grid is cheap and affordable to the poor.

#### ID 4: Livelihood of the poor

No	4
Indicator	Livelihood of the poor
Mitigation	NA



Repeat for each parameter		
Chosen Parameter		Number of people employed and other employment opportunities created in unskilled jobs.
Current situation of parameter		Unskilled employs are dependent upon daily wage jobs.
Estimation of baseline		NA
Future project target for parameter		Hiring of skilled and unskilled personnel in the plant and providing them wages as per government norms
Way of monitoring	How	Employment training records
	When	Every year
morntoning	By who	GGEL HR & training department

In the project activity before and during the running of the plant involves a lot of the skilled and unskilled people. The locals use to work on odd jobs to earn their livelihood and were dependant on the availability of work before the project activity as the location of the project is quite remote. With jobs in their hand they are earning they are earning on regular basis.

The livelihood has changed the perspective to work and earn. The records are being maintained by the HR of GGEL on minimum wages they should get as per the government rules.

#### ID 5: Quantitative employment and income generation

No		5
Indicator		Quantitative employment and income generation
Mitigation		NA
Repeat for each parameter		
Chosen		Number of jobs created
Current situation of parameter		NA
Estimation of baseline		NA NA
Future project target for parameter		Hiring more skilled and unskilled employees for the project operation at the plant and thus increasing the number of jobs created by the company
	How	Employment record
Way of monitoring	When	Every year
monitoring	By who	GGEL HR and admin department



The locals used to do odd jobs to earn their livelihood. Number of jobs has been created which involved skilled and non skilled people which help them to earn income and earn knowledge of technology. The records in being maintained for the number of employment generated.

#### ID 6: Civil work during construction phase

No		6
Indicator		Soil
Mitigation		Civil work during construction phase
Repeat for each		
Chosen		State of soil at project site
Current situation		No erosion
of parameter		
Estimation of		No erosion
baseline		
Future project		No erosion
target for		
parameter		
\\\\	How	Pictures
Way of monitoring	When	Once during the first verification
monitoring	By who	GGEL Personnel

#### Monitoring Result:

The project activity does not involve any erosion while running of the plant and is monitored through the pictures taken while the plant is in operation.

#### ID 7: Water quality and quantity

No		7
Indicator		Water quality and quantity
Mitigation measure		Waste water is treated through wastewater treatment facility or is used for gardening
Repeat for each		
Chosen		Quantity of water withdrawal from the canal
Current situation of parameter		N/A
Estimation of baseline		Waste water will not be discharged without treatment
Future project target for parameter		Waste water will not be discharged without treatment
Way of	How	Check the wastewater treatment facility
monitoring	When	Every month



By who GGEL i.e. the project developer's authorized personnel as identified during the project lifetime.	
----------------------------------------------------------------------------------------------------------	--

The waste water before discharge is being treated and used for domestic purpose. The records are being maintained for all the water procured monthly for the project activity. Water that is being procured from the canal in the project activity has records with a bill.

#### ID 8: Used battery

No		8
Indicator		Used battery
Mitigation measure		The used battery is being disposed through a proper vendor
Repeat for each		
Chosen		Waste or used battery
Current situation of parameter		N/A
Estimation of baseline		No recycling of used batteries was done
Future project target for parameter		GGEL shall continue to send the used battery to vendor for disposal.
	How	Record keeping
Way of monitoring	When	Every month
	By who	GGEL will be monitoring the disposal of the waste or used battery.

#### Monitoring Result:

From the start of monitoring period, there has been no waste battery to be recycled. Godawari Green Energy Ltd. has already registered EHV Engineers for equipment maintenance services which include replacement of batteries after expiry of its life by taking back used batteries.

EHV Engineers provides maintenance services which included periodic inspections, routine, scheduled repairs and replacement of expired used batteries.

#### ID 9: Safety training

No	9	
Indicator	Safety training	
Mitigation measure	Proper training procedures for all laborers	
Repeat for each		
Chosen	Training	



Current situation of parameter Estimation of baseline		N/A N/A
Future project target for parameter		GGEL shall continue to train the laborers.
Way of monitoring	How	Record keeping
	When	Every month
	By who	GGEL will be monitoring the working of laborers. The laborers are trained by GGEL safety officer and under constant supervision of him work is performed.

Training is being provided to the laborers under the supervision of GGEL safety officer. These training helps laborers to work without being the in the risk of getting injured, proper kits are given to the laborers to use their skill and have proper protection.

The records are maintained for all the training activity.