

Annual Environmental Monitoring Report (April 2014 to March 2015)

Environmental Performance Report (Subproject Vaspeth IV)
December 2015

IND: ReNew Power Investment Project

Prepared by ReNew Power Ventures Private Limited

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Annual Monitoring Report for Subprojects

49.5 MW Wind Power Project, Vaspeta-IV in Sangli District Maharashtra

A. Subprojects Name and Summary Information

- i. **Location:** Project is located in the villages namely; Karajangi and Nigadi in Jath Taluka of Sangli District.
- ii. **Scale/size/capacity:** 49.5 MW
- iii. **Reporting period covered by this monitoring report (month/year):** 1st April 2014 to 31st March 2015
- iv. **Specification of subproject stage (design, construction, operation or closure stage):** Project is in operational phase and consist 33 Wind Electric Generators (WEGs) of 1.5 MW each (Regen V87). The power is evacuated to the pooling Shedyal s/s which has the capacity of 300MW.
- v. **Key developments and any major changes in the subproject location and design:** Project is in operational phase and no major change occurred in this project

B. Relevant Environmental Permits or Compliance Certificate

Wind power projects are exempted from obtaining an environmental clearance (EC) from Ministry of Environmental and Forests (MoEF), as per the EIA notification, 2006 and its subsequent amendments

ReNew is an ISO 9001: 2008, ISO 14001: 2004, & BS OHSAS 18001: 2007 company.
Certificate cycle start date was 11.04. 2014 and revision date was 24.04.2015.
Certificate expires on 10th April 2017

C. Grievance Redressal Mechanism

Grievance Redressal Mechanism was implement at site in 2013 and register is maintained to report, record and monitor the grievances of community and workers. During this reporting monitoring period (April 2014- March 2015), nine grievance were reported and resolved timely.

D. Occupational and Community Health and Safety and Labour Standards

Project is in operational phase and O&M is managed by ReGen. Around 20 persons including security staff are engaged in this project in O&M phase. . Compliance of all applicable laws including labour laws is a contractual obligation for all ReNew's contractor. ReGen is the contractor in this project and ensures the compliance of applicable laws including labour laws of its sub-contractors ReGen is an ISO certified company and has its own occupational health and safety policy and system in place. No major incident/fatality occurred at site.

Following trainings have been provided in the reporting period

- Mock drill on 20.08.14
- Safety Behaviour training on 23.12.2014

Chowhan

[Signature]

E. Environmental Management Capacity

ReNew has a dedicated QHSE team and two persons in the team are handling Environmental and Social Management System implementation. ReNew team sit in corporate office in Gurgaon and regional office in Pune. ReGen HSE expert is based at Site and monitoring the day to day HSE performance. ReNew monitor the HSE performance of site and do the audits to ensure the HSE compliances. ReNew QHSE team members are

1. Sunil Gawade:

Sunil has over 12 years of expertise in Quality Health Safety and Environment. He has worked with Eoxis Renewable Energy India Pvt. Ltd., and Implemented all procedures & manuals related occupational Health Safety & Environmental standards like Permit to work, Risk assessment, Method statements, Near misses, Hazardous observations, Road safety, electrical safety, LOTO procedures, Emergency response plans, Safety trainings, Environmental aspects/impacts, legal register, PPE's, Contractor assessments & development, safety walks, Internal audits with recommended action, External site safety audits in line with ISO 9001: 2008: ISO 14001: 2004 & ISO 18001: 2007

From Feb 2008 to Aug 2012 Mr. Sunil was with Vestas Wind Technology India Pvt. Ltd and handling Supplier Quality and Safety Development.

He has obtained following training in his work tenure

- ISO 9001: 2008: ISO 14001: 2004 & ISO 18001: 2007 by GL
- Supervisory Development Program by Nathan & Nathan
- Training Module for:
 - TS-16949 by BVQI
 - Quality Control a Japanese Approach by AOTS Overseas
 - Quality & Environmental Management System Auditing ISO 19011: 2002 by GL
- Rescue from Height by Vestas
- Trained Trainer for Safety Awareness Training for Managers and Engineers by Vestas

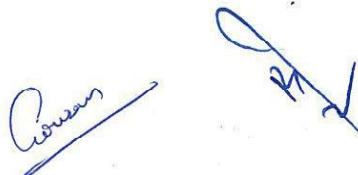
2. Rajiv Bana: Rajiv has more than 9 years' experience with following credentials

IMS Audit (OHSAS/EMS/QMS): Establishment, implementation and maintenance of integrated management system in Solar, Wind and Power automation sector. Experience of laying and preparing related procedures/processes, enable Certification/Surveillance audit.

Health Safety & Environment: Responsible for managing the Health, Safety & Environmental Management system (ISO 14001 and BS OHSAS 18001). Responsible for developing the Business EHS action plans, monitoring implementation via the management review process and facilitating continuous improvement.

Pre & post inspection of work permits for compliance during the projects execution (i.e. Work at height, lifting operation, Confined Space, (LOTO) lock-out/Tag-out, Hot Work, Safe Chemical management) as per global safety standard.

Conduct incident / accident investigations, HIRA-Hazard Identification and risk analysis, mock drills and develop Action plan



Supplier Quality: Carry out supplier audits on project requirements as per QHSE policy/ISO standards. Monitoring of Supplier performance and bought out inspections to meet project and QHSE requirements of product.

Project/Product Quality: Ensure Quality and compliance of all project documents and customer requirements at all levels of projects by continuous monitoring, by proper review/control on output documents and regular discussions. Managing and raising NCRs (process as well as product), reviewing and enabling RCA, CAPA. Enable methodology and tools for RCA/8D with all functions. Review and analysis of project COPQ and NCRs

Continual Improvement: Certified six sigma green belt having proficient knowledge of implementation of improvement tools like Lean, Six Sigma, SPC, 8D, RCA, FMEA, 7 QC tools etc.

3. Gourav:

Gourav did Master of Technology in Renewable energy and has more than 4 years' experience in renewable energy domain. He is handling Environmental and Social Management System (ESMS) in ReNew Power Ventures Private Limited

He is familiar with the national and state regulations, legal acts applicable on wind and solar energy projects. He has handled/organised many stakeholder meetings with communities/government authority in many states across India.

F. Stakeholder Consultation

Stakeholder consultation done with community In second week of July 2013. Consultation was done with land sellers, villagers and other concern stakeholders. ReNew is doing the CSR activities in the villages where project is located and in regular touch with the community through its various programme.

G. Compliance with Applicable Environmental Safeguard Requirements as defined in the ESMS

ReNew had developed project level ESMS to implement the Environmental and Social Management Plan (ESMP) at site. ReNew did monitoring of various environmental and social parameters as defined in ESMS and complied with the applicable environmental safeguard requirements as defined in the ESMS. ReNew is monitoring EHS parameters at site and August monitoring checklist is available in Annexure 1

H. Other Information and Feedback

NA

Name and Signature

Name: Balram Mehta

Date: 15.12.2015

Position: Executive Vice President

Phone: balram@renewpower.in

Signature:



Declaration letter:

State :- Maharashtra
Site :- Vasped IV site
Windfarm size :- 29.5 MW
WTGs supplier :- ReGen Power Tech.

This letter is to confirm that WTGs supplier/Vendor ReGen Power
will maintain ReNew Power's EHS requirement as per ANNEXURE-1 and ANNEXURE-2.

This letter is also to confirm that WTGs supplier/Vendor will maintain all documents as per ReNew Power's requirement, at site which will be required during audit.

Srikam
07/09/15
WTGs supplier/Vendor Representative
(Seal & Signature)

Alankar
07/09/15
Rege Power Tech.

Apml
07/09/15

Srikam
07/09/15
ReNew Power Ventures Pvt. Ltd.
SHRISH NIKAMI



**Environment, Health and Safety Requirements
(EHS)
(ReNew Power Requirements)**

ReNew Power Ventures Pvt Ltd
DLF Coporate Park
Gurgaon-Haryana-122002
Phone #0124-4896670/80
Fax #0124-4896672

ReNew Power EHS check List:

Sr. No	Checklist	Available Yes/No	Remarks
A. Environment, Health and Safety Management			
1	Safety Organization chart	Yes	
2	Initial Environmental & OH&S Review	Yes	
3	Significance Environmental Aspects Hazard Identification & Risk Analysis checklist	Yes	
4	Objectives Targets & Continual Improvement compliance document	Yes	
5	Evaluation of site specific Legal Compliance document	Yes	
6	Child labour declaration form	Yes	
7	Safety - Mock drill Report - Project and O&M	Yes	
8	Safety training mechanism/Checklist for employee and contract employee.	Yes	
9	Accident Control and Hazard Elimination checklist	Yes	
10	List and Plan for Transportation and Storage of Dangerous Goods	NA	
11	List of heavy equipments, procedure for shifting, transportation,	NA	
12	Lifting Equipments List, Safe working Load, Load Test, Authorization to operate / Drive, Calibration procedures.	NA	
13	Safety Inspection Observation Programme	Yes	
14	Potential Emergency Situation/Accidents checking form	Yes	
15	Job Safety Analysis Worksheet	Yes	
16	Work Permit for specific work	Civil wok	Yes
		Loading and unloading	Yes
		Erection	Yes
		Blasting	Yes
		Hot work/Welding	Yes
		Working at height	Yes
		No load test of turbine	Yes
		Electrical single and four pole structure	Yes
		Transformer erection and charging	Yes
		Electrical Work Permit (LT / HT)	Yes

17	Monitoring & Measurement of Key EHS Operations Non Conformity, Corrective and Preventive Action Incident Investigation & CAPA Register	Yes	
18	Accident / Incident Report/ reporting Mechanism	Yes	
19	EHS document Distribution list	Yes	
20	Vehicle Management Plan	Yes	
21	Site Management Plan	Yes	
22	Occupational Health Protection Plan	Yes	
23	Environment Protection plan	Yes	
24	Tool Box Meeting Checklist	Yes	
25	Safety sign in place	Yes	
26	Waste Disposal Mechanism	Classification of waste - Site	Yes
		Waste Declaration Register-Site	Yes
		Scrap yard register	Yes
		List of Licensed / Approved agencies for Waste Collection Waste/Scrap Disposal Form	Yes
		Waste/Scrap Disposal Form - Site	Yes
} Maintained at Vaspet 1 (Kohguzi) office.			
27	Compliant Register		
B. Emergency Management Plan			
1	Emergency Management plan/Chart	Yes	
C. Personnel protective equipment (PPE)/Safety equipments			
1	Electric shock protective equipment	Yes	
2	Emergency Decent Equipment	Yes	
3	Fall Arrest Equipment	Yes	
4	First Aid Kits	Yes	
5	Fire extinguishers	Yes	
6	Fire Buckets	Yes	
7	PPE	Yes	

Remarks (other Observation)

1) PPE & fire extinguishers calibration to be done,
 2) Fire buckets to be maintained @ DP yard,
 3) Cleaning, plastics, & other items to be cleaned.

Satish Nikam
 27/9/15
SATISH NIKAM

Apurva

**OH & S Statistics
Based on Production Year (2014-15)**

Event	Monthly	YTD
Lost Time Injury (LTI Count)	0	0
Without Lost Time Injury	0	0
Fatality/ Permanent Disability	0	0
Near Misses	0	0
LTI in PPM	0	0
Material Damage	0	0
Toolbox Meetings/Induction	25	150

Other OH&S details-

**Environmental Statistics
Based on Production Year (2014-15)**

Event	Monthly	YTD
Environmental Incident	0	0
Non-Hydrocarbon Waste Removed (KG)	0	39
Solid-Hydrocarbon Waste Removed (KG)	42	69
Liquid Hydrocarbon Waste Removed (Litre)	0	0
Metal Waste (KG)	0	0
Reptiles/Snake Sightings	0	0
Bird /Bats Strikes	0	0
Flora Incidents	0	0
Fauna Incidents	0	0