


**Validation report form for post-registration changes for CDM project activities**
**(Version 01.0)**

Complete this form in accordance with the "Attachment: Instructions for filling out the validation report form for post-registration changes for CDM project activities" at the end of this form.

**VALIDATION REPORT ON POST-REGISTRATION CHANGES (PRCs)**

<b>Title and reference number of the project activity</b>	7 MW Bundled Hydro power project at Himachal Pradesh of Raajratna Energy Holdings Pvt. Ltd UNFCCC Ref. No. 9111
<b>Process track</b>	<input type="checkbox"/> Prior approval <input checked="" type="checkbox"/> Issuance <input type="checkbox"/> Renewal of crediting period
<b>Version number of the validation report on PRCs</b>	03
<b>Completion date of the validation report on PRCs</b>	19/10/2016
<b>Type(s) of PRCs</b>	<input type="checkbox"/> Temporary deviations from the registered monitoring plan, monitoring methodology or standardized baseline <input checked="" type="checkbox"/> Corrections <input type="checkbox"/> Changes to the start date of the crediting period <input type="checkbox"/> Inclusion of a monitoring plan to a registered project activity <input type="checkbox"/> Permanent changes from registered monitoring plan, monitoring methodology or standardized baseline <input type="checkbox"/> Changes to the project design of a registered project activity <input type="checkbox"/> Types of changes specific to afforestation and reforestation project activities
<b>Version number of PDD to which this report applies</b>	4
<b>Project participant(s)</b>	M/s Raajratna Energy Holdings Pvt Ltd
<b>Host Party</b>	India
<b>Sectoral scope(s), selected methodology(ies), and where applicable, selected standardized baseline(s)</b>	SS 1 and TA 1.2, Small Scale; AMS-I.D: Grid connected renewable electricity generation, version 17.0
<b>Name of DOE</b>	URS Verification Pvt. Ltd.
<b>Name, position and signature of the</b>	

approver of the validation report on PRCs	
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**SECTION A. Executive summary**

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The purpose of the registered project activity is to generate electricity based on hydro energy with total capacity of 5 MW, with two 2.5 MW horizontal pelton turbines. The project activity constructed on Belij Nallah, which is a tributary of river Ravi at Hibra village in Chamba district, Himachal Pradesh. The project activity exports electricity to the Himachal Pradesh state grid, through inter-connectivity with the nearest sub-station located at Jarangala. The electricity is supplied to NEWNE grid and to contribute to climate change mitigation efforts and avoid emission of CO<sub>2</sub>.

The project was developed by Belij Hydro Power Private Limited (BHPPL). The project activity consists of power house, turbine, generators, diversion weir, penstocks, switch yard, transformers and evacuation facility etc. The project conceptualized as two projects, with capacity 5 MW Belij and 2 MW Gehra projects, with a total of 7 MW small hydropower project. It is noted that the Gehra Hydro Power Private Limited (GHPPL) has discontinued with the project implementation. The project title still indicates 7 MW, however, the actual implemented capacity was only 5 MW. This issue has been identified and addressed during the project validation.

The power generated from the project activity is fed to regional grid i.e. NEWNE grid. The project activity was commissioned on 17/06/2012 as verified with commissioning certificate issued by HPSEB and continuously generating and delivering the electricity to NEWNE grid. The PP has chosen fixed crediting period for the project activity, which is starting from 01/01/2013 to 31/12/2022. The project activity was registered on UNFCCC on 24/12/2012.

During this monitoring period (01/01/2013 to 31/10/2015 (inclusive of both days)), the net electricity exported by project is 76,800 MWh to NEWNE grid. Thus, emission reduction occurred during this monitoring period is 64,508 tCO<sub>2</sub>e.

**Scope of validation:**

The scope of the validation is the independent and objective review and ex post determination of the corrections in project geo graphical co-ordinates from registered project activity. The validation for the above mentioned post registration changes has been carried out along with verification for the monitoring period from 01/01/2013 to 31/10/2015 of the project activity. The corrections in project location/co-ordinates do not change the project design of a registered project activity, hence, prior approval by CDM Executive board is not required as per the Appendix 1 of CDM Project Standard (version 09.0). The project is assessed against the requirements of PCP and VVS.

Due professional care has been exercised and ethical conduct has been followed by the assessment team during the validation of post registration changes. The validation report is a fair presentation of the post registration changes. The validation report is not meant to provide any consulting towards the Client. However, stated requests for clarifications and/or corrective actions may provide input for improvement of the project design.

**Validation process and conclusion:**

The validation process includes desk review of the “corrections in project geo-graphical co-ordinates that do not result in changes to the project design of a registered project activity”. Further, onsite assessments and interviews with those involved in project management and operations are conducted. This is followed by preparation of draft validation report summarizing desk review and on-site assessment findings (i.e. CARs, CLs, and FARs). After successful closing of the CAR raised, the final validation report is prepared. The final report then underwent a technical review and final approval according to URS’s internal quality assurance procedures. The information presented in the “corrections in project geo-graphical co-ordinates that do not result in changes to the project design of a registered project activity” document provided by the

PP was assessed by review of the detailed project documentation especially regarding the reason for corrections in project geographical co-ordinates from the registered project activity, as well as by interviews with personnel at Raajratna Energy Holdings Pvt Ltd. This has enabled the validation team to assess and determine that the correction is in compliance with CDM Project standard and relevant guidance provided by the Board.

URS confirms the following has been reviewed:

- (a) The registered PDD, including the monitoring plan and the corresponding validation report;
- (b) Monitoring report and emission reduction estimation;
- (c) The applied monitoring methodology;
- (d) Relevant decisions, clarifications and guidance from the CMP and the CDM Executive Board;
- (e) All information and references relevant to the project activity's resulting in emission reductions.

## SECTION B. Validation team, technical reviewer and approver

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### B.1. Validation team member

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)	Involvement in			
						Desk review	On-site inspection	Interview(s)	Validation findings
1.	Team Leader	EI	Machcha	Vijay Kumar	URS Verification Pvt Ltd, Noida (Central Office)	Y	Y	Y	Y
2.	Lead Assessor	IR	Kumar	Ashok	URS Verification Pvt Ltd, Noida (Central Office)	Y	Y	Y	Y
3.	Technical Expert	IR	Kumar	Ashok	URS Verification Pvt. Ltd, Noida (Central Office)	Y	Y	Y	Y
4.	Technical Expert	EI	Machcha	Vijay Kumar	URS Verification Pvt. Ltd, Noida (Central Office)	Y	Y	Y	Y

### B.2. Technical reviewer and approver of the validation report on PRCs

No.	Role	Type of resource	Last name	First name	Affiliation (e.g. name of central or other office of DOE or outsourced entity)
1.	Technical reviewer	EI	Sharma	Shivraj B	URS Verification Pvt. Ltd., Noida,

					India (Central Office)
2.	Approver	IR	Singhal	Mukesh	URS Verification Pvt. Ltd., Noida, India (Central Office)

## SECTION C. Means of validation

### C.1. Desk review

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Validation for post registration changes was conducted using URS procedures in line with the requirements specified in the CDM M&P, the latest version of the CDM Validation and Verification Standard and relevant decisions of the COP/MOP and the CDM EB and applying the standard auditing techniques.

The verification consisted of the following three phases:

- Desk Review
- On-site Assessment
- The resolution of outstanding issues and the issuance of the final verification report and certification.

All the documents reviewed and referenced during the verification are listed in Appendix 3 attached with this report below.

**C.2. On-site inspection**

Duration of on-site inspection: 05/02/2016 to 06/02/2016				
No.	Activity performed on-site	Site location	Date	Team member
1.	Review of Project Description, Project design and Implementation of the project and other salient features of the project.	Hibra village, Chamba district, Himachal Pradesh, state, India	05/02/2016	Ashok Kumar, Vijay Kumar Machcha
2.	Monitoring plan and monitoring parameters measurement Operational and data collection Procedures.	Hibra village, Chamba district, Himachal Pradesh, state, India	05/02/2016	Ashok Kumar, Vijay Kumar Machcha
3.	Quality control and quality assurance procedures in place.	Hibra village, Chamba district, Himachal Pradesh, state, India	06/02/2016	Ashok Kumar, Vijay Kumar Machcha
4.	Operational and management structure existing at site to monitor emission reductions.	Hibra village, Chamba district, Himachal Pradesh, state, India	06/02/2016	Ashok Kumar, Vijay Kumar Machcha

**C.3. Interviews**

No.	Interviewee			Date	Subject	Team member
	Last name	First name	Affiliation			
1.	Chaudhary	Jagdish Kumar	Project In-Charge  (Belij Hydro Power Pvt. Ltd.)	05/02/2016	Project Description, Project design and Implementation of the project and other salient features of the project,  Information flows for generating, aggregating and reporting the monitoring parameters	Ashok Kumar, Vijay Kumar Machcha
2	Kaushik	Vivek	Sr. Eng. (Mech.)  (Belij Hydro Power Pvt. Ltd.)	05/02/2016	Monitoring plan, Quality control and quality assurance procedures in place.	Ashok Kumar, Vijay Kumar Machcha
3	Mohiuddin		Sr. Eng. (Elec.)  (Belij Hydro Power Pvt. Ltd.)	05/02/2016	Monitoring parameters measurement Operational and data collection Procedures.	Ashok Kumar, Vijay Kumar Machcha
4	Lal	Sohan	Jr. Eng. (Mech.)  (Belij Hydro Power Pvt. Ltd.)	05/02/2016	Operational and management structure existing at site to monitor emission	Ashok Kumar, Vijay Kumar Machcha

			Ltd.)		reductions	
5	Singh	Pratap	Operator, HPSEB Sub Station	05/02/2016	Calibration Details of the meters installed at sub-station, Replacement of meters, aggregation of generation by individual power producer etc.	Ashok Kumar, Vijay Kumar Machcha

#### C.4. Clarification requests, corrective action requests and forward action requests raised

Areas of validation findings	No. of CL	No. of CAR	No. of FAR
Compliance with PDD form	00	00	00
Temporary deviations from the registered monitoring plan, monitoring methodology or standardized baseline	00	00	00
Corrections	00	01	00
Changes to the start date of the crediting period	00	00	00
Inclusion of a monitoring plan to a registered project activity	00	00	00
Permanent changes from registered monitoring plan, monitoring methodology or standardized baseline	00	00	00
Changes to the project design of a registered project activity	00	00	00
Types of changes specific to afforestation and reforestation project activities	00	00	00
Others (please specify)	00	00	00
<b>Total</b>	00	01	00

### SECTION D. Validation findings

#### D.1. Compliance with PDD form

<b>Means of validation</b>	The project participants used a latest version of the PDD form for the revised PDD than the version of the PDD form of the registered PDD. By means of checking updated PDD with the latest applicable and available PDD template form the DOE can confirm that the information transferred to the later version of the PDD form is materially the same as that in the registered PDD besides those changes highlighted and assessed under this report.
<b>Findings</b>	None
<b>Conclusion</b>	The updated PDD is in line with the latest applicable PDD form.

#### D.2. Temporary deviations from the registered monitoring plan, monitoring methodology or standardized baseline

<b>Means of validation</b>	N/A
<b>Findings</b>	
<b>Conclusion</b>	

#### D.3. Corrections

<b>Means of validation</b>	During the site visit, the project location and geographical co-ordinates of project activity has also been verified. However, it is noted that the geo-graphical co-ordinates provided in the MR were not matching with the project location, which in turn resulted in the change of geographical co-ordinates in the revised MR. As a result, there was a finding (CAR 2) was raised in this regard. However, the revised geo co-ordinates in the MR are not in line with the registered PDD. PP has revised the MR and PDD with respect to the correct project geographical co-ordinates related to both power house and weir. This resulted in correction of project geographical co-ordinates in the registered PDD. A P The verification team has
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	accepted this change as it is a typographical errors that do not affect the design of project.
<b>Findings</b>	CAR 02
<b>Conclusion</b>	In line with Appendix 1 of the Project Standard Version 09, this change in revised PDD does not require prior Board approval.  In line with para 305 of VVS, DOE confirms that the corrected information reflects actual project implementation.

**D.4. Changes to the start date of the crediting period**

<b>Means of validation</b>	N/A
<b>Findings</b>	
<b>Conclusion</b>	

**D.5. Inclusion of a monitoring plan to a registered project activity**

<b>Means of validation</b>	N/A
<b>Findings</b>	
<b>Conclusion</b>	

**D.6. Permanent changes from registered monitoring plan, monitoring methodology or standardized baseline**

<b>Means of validation</b>	N/A
<b>Findings</b>	
<b>Conclusion</b>	

**D.7. Changes to the project design of a registered project activity**

<b>Means of validation</b>	N/A
<b>Findings</b>	
<b>Conclusion</b>	

**D.8. Types of changes specific to afforestation and reforestation project activities**

<b>Means of validation</b>	N/A
<b>Findings</b>	
<b>Conclusion</b>	

**SECTION E. Internal quality control**

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The Validation Report and its respective versions have undergone an Internal Quality Control through an Independent Technical Review (ITR).

ITR is an independent process performed to examine that the process of verification has been carried out in conformance with the requirements of verification scheme as well as URS verification procedures and the conclusion is justified. The technical review is performed by designated competent person, Independent Technical Reviewer, in accordance with URS qualification scheme for CDM validation and verification. The Technical Reviewer will either accept or reject the recommendation made by the assessment team.

**SECTION F. Validation opinion**

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URS Verification Private Ltd has performed the 1<sup>st</sup> periodic verification of the CDM project "7 MW Bundled Hydro power project at Himachal Pradesh of Raajratna Energy Holdings Pvt. Ltd", India with UNFCCC reference number of 9111, registration date of 24/12/2012 and crediting period from 01/01/2013 to 31/12/2022 (fixed). During the verification of project activity, corrections in project



geographical co-ordinates that do not result in changes to the project design of a registered project activity has been identified. The post registration changes (PRC) to registered project activity has been validated in line with the requirements of PCP and VVS.

The URS confirms that the corrections to registered PDD as mentioned above do not affect the design of the project activity and as per para 1, of Appendix I of Project Standard, hence, they do not require prior approval by the Board. In line with VVS, DOE confirms that the corrected information in revised PDD version 04 dated 10/10/2016 reflects actual project information. As per para 1 of Appendix I of Project Standard, changes in geo-graphical coordinates which fall under the category of corrections, do not require prior approval.

These changes are as per para 1 of Appendix 1 of CDM project Standard fall under the category of changes that do not require prior approval of the Board. DOE confirms that these corrections are in line with reflects the application of the approved guidance from the Board regarding the corrections in the registered project activity.

URS confirms that the material included in the new PDD is materially the same as the information in the registered PDD.

## Appendix 1. Abbreviations

Abbreviations	Full texts
BE	Baseline Emissions
CAR	Corrective Action Request
CDM	Clean Development Mechanism
CDM M&P	Modalities and Procedures CDM
CDM-PCP	Clean Development Mechanism Project Cycle Procedure
CDM-PS	Clean Development Mechanism Project Standard
CDM-VVS	Clean Development Mechanism Validation and Verification Standard
CEA	Central Electricity Authority
CEF	Carbon Emission Factor
CER	Certified Emission Reduction(s)
CL	Clarification request
CO <sub>2</sub>	Carbon dioxide
CO <sub>2</sub> e	Carbon dioxide equivalent
DG	Diesel Generator
DNA	Designated National Authority
DOE	Designated Operational Entity
EB	Executive Board
ER	Emission Reductions
FAR	Forward Action Request
GHG(s)	Greenhouse gas(es)
GWP	Global Warming Potential
HPSCCC	Himachal Pradesh State centre on climate change,
IMD	Indian Meteorological Department
IPCC	Intergovernmental Panel on Climate Change
JMR	Joint Meter Reading
LoA	Letter of Approval
MOC	Modalities of Communication Statement
MoV	Means of Verification
MP	Monitoring Plan
MR	Monitoring Report
NEWNE	North East West North-East
PDD	Project Design Document
PE	Project Emission
PP(s)	Project Participant(s)
PPA	Power Purchase Agreement
Ref	Document Reference
SS(s)	Sectoral Scope(s)
SSC	Small Scale
TA	Technical Area within the Sectoral Scope
UNFCCC	United Nations Framework Convention on Climate Change
VVS	Clean Development Mechanism Validation and Verification Standard

## Appendix 2. Competence of team members and technical reviewers

To be added

## Appendix 3. Documents reviewed or referenced

No.	Author	Title	References to the document	Provider
1	CDM EB	AMS I.D “Grid-connected renewable electricity generation”, version 17, dated 03/06/2011	Version 17, dated 03/06/2011 <a href="http://cdm.unfccc.int/methodologies/index.html">http://cdm.unfccc.int/methodologies/index.html</a>	Others
2	CDM EB	Clean Development Mechanism Validation and Verification Standard, Version 09.0, dated 20/02/2015, Annex 14 of EB 82	Version 09.0, dated 20/02/2015, Annex 14 of EB 82 <a href="http://cdm.unfccc.int/Reference/Standards/index.html">http://cdm.unfccc.int/Reference/Standards/index.html</a>	Others
3	CDM EB	Clean Development Mechanism Project Standard, Version 09.0, dated 20/02/2015, Annex 13 of EB 82	Version 09.0, dated 20/02/2015, Annex 13 of EB 82 <a href="http://cdm.unfccc.int/Reference/Standards/index.html">http://cdm.unfccc.int/Reference/Standards/index.html</a>	Others
4	CDM EB	Clean Development Mechanism Project Cycle Procedures (PCP), Version 09.0, Annex 15 of EB 82.	Version 09.0, Annex 15 of EB 82. <a href="http://cdm.unfccc.int/Reference/Standards/index.html">http://cdm.unfccc.int/Reference/Standards/index.html</a>	Others
5	HPSEB	Commissioning or commercial date of operation letter with reference number - HPSEBL/CE (comm..)/(PSP)/Belij/2012 -13 -5207-17 dated 11/06/2012	Commissioning date of the project	Others
6	REHPL	Monitoring Report for the project titled “7 MW Bundled Hydro power project at Himachal Pradesh of Raajratna Energy Holdings Pvt. Ltd”, version 1 dated 22/12/2015	Version 1 dated 22/12/2015	Project Participant
7	REHPL	Monitoring Report for the project titled “7 MW Bundled Hydro power project at Himachal Pradesh of Raajratna Energy Holdings Pvt. Ltd”, version 2 dated 06/05/2016	Version 2 dated 06/05/2016	Project Participant
8	REHPL	Monitoring Report for the project titled “7 MW Bundled Hydro power project at Himachal Pradesh of Raajratna Energy Holdings Pvt. Ltd”, version 3 dated 20/06/2016	Version 3 dated 20/06/2016	Project Participant
9	REHPL	Monitoring Report for the project titled “7 MW Bundled Hydro power project at Himachal	Version 4 dated 09/09/2016	Project Participant

		Pradesh of Raajratna Energy Holdings Pvt. Ltd", version 4 dated 09/09/2016		
10	REHPL	Monitoring Report for the project titled "7 MW Bundled Hydro power project at Himachal Pradesh of Raajratna Energy Holdings Pvt. Ltd", version 5 dated 10/10/2016	Version 5 dated 10/10/2016	Project Participant
11	REHPL	Emission Reduction Sheet for project titled "7 MW Bundled Hydro power project at Himachal Pradesh of Raajratna Energy Holdings Pvt. Ltd", version 1 dated 22/12/2015	Version 1 dated 28/12/2015	Project Participant
12	REHPL	Emission Reduction Sheet for project titled "7 MW Bundled Hydro power project at Himachal Pradesh of Raajratna Energy Holdings Pvt. Ltd", version 2 dated 06/05/2016	Version 2 dated 06/05/2016	Project Participant
13	REHPL	Emission Reduction Sheet for project titled "7 MW Bundled Hydro power project at Himachal Pradesh of Raajratna Energy Holdings Pvt. Ltd", version 3 dated 09/09/2016	Version 3 dated 09/09/2016	Project Participant
14	REHPL	Emission Reduction Sheet for project titled "7 MW Bundled Hydro power project at Himachal Pradesh of Raajratna Energy Holdings Pvt. Ltd", version 4 dated 10/10/2016	Version 4 dated 10/10/2016	Project Participant
15	REHPL	CDM-SSC-PDD of the Project Activity titled "7 MW Bundled Hydro power project at Himachal Pradesh of Raajratna Energy Holdings Pvt. Ltd" version 3.1 dated 11/12/2012	Version 3.1 dated 11/12/2012	Project Participant
16	REHPL	Revised CDM-SSCC-PDD of the Project Activity titled "7 MW Bundled Hydro power project at Himachal Pradesh of Raajratna Energy Holdings Pvt. Ltd" version 4	Version 4 dated 10/10/2016	Project Participant
17	REHPL	Validation report for the project activity titled "7 MW Bundled Hydro power	Version 1 dated 18/12/2012	Project Participant

		project at Himachal Pradesh of Raajratna Energy Holdings Pvt. Ltd", version 1 dated 18/12/2012		
18	REHPL	Major Shut down (more than 24 hrs) details observed for the plant	Spread sheet - 2013-2015 - Major shutdowns.090516 - clean	Project Participant
19	HPSEB	JMR for the monitoring period.	JMR from 01/01/2013 to 31/10/2015	Others
20	REHPL	Invoice submitted to HPSEB	Invoices for period 01/01/2013 to 31/10/2015	Project Participant
21	REHPL	1. Log records for Diesel consumption in Plant	Diesel consumption log	Project Participant
22	Yadav Measurement Private Limited (YMPL)	Calibration Records for meter located at Common Pooling Station (CPS);  1. July 2012 with reference no. YMPL/214317/41172 for meter number 11068619 2. January 2013 with reference no. YMPL/547893/57864 for meter number 11068619 3. July 2013 with reference no. YMPL/134723/31234 for meter number 11068619 4. January 2014 with reference no. YMPL/434735/51233 for meter number 11068619 5. July 2014 with reference no. YMPL/134421/12654 for meter number 11068619 6. January 2015 with reference no. YMPL/534324/32652 for meter number 11068619 7. July 2015 with reference no. YMPL/234343/11265 for meter number 11068619 8. July 2015 with reference no. YMPL/234378/11345 for meter number 09142049 a.	Calibration records from July 2012 to July 2015 for CPS meters	Others
23	Ranjan Kar – Chartered Engineer	Calibration records from June 2013 to June 2015 for dipstick used in project. 2. RK/BHPPL/2013/C01 dated 15/06/2013 3. RK/BHPPL/2014/C02 dated 15/06/2014 RK/BHPPL/2015/C03 dated 15/06/2015	Dipstick Calibration certificates	Others
24	Power Grid	Calibration records of the	Calibration records from July 2012 to	Others

	Corporation of India (PGCI)	<p>JMR meters carried out by</p> <p>b. With reference numbers. RTL/NR-II/CAL/201213-0153/2012, RTL/NR-II/CAL/201213-0154/2012, RTL/NR-II/CAL/201213-0155/2012, RTL/NR-II/CAL/201213-0156/2012 dated 22/12/2012,</p> <p>c. With reference no. RTL/NR-II/CAL/201314-81/2013, RTL/NR-II/CAL/201314-82/2013, RTL/NR-II/CAL/201314-83/2013, RTL/NR-II/CAL/201314-84/2013, dated 17/06/2013,</p> <p>d. With reference no. RTL/NR-II/CAL/201314-236/2013, RTL/NR-II/CAL/201314-237/2013, RTL/NR-II/CAL/201314-238/2013, RTL/NR-II/CAL/201314-239/2013 dated 19/12/2013,</p> <p>e. With reference no. RTL/NR-II/CAL/2014-15/047/2014, RTL/NR-II/CAL/2014-15/048/2014, RTL/NR-II/CAL/2014-15/049/2014, RTL/NR-II/CAL/2014-15/050/2014 dated 10/06/2014,</p> <p>f. With reference no. RTL/CAL/20141209/91, RTL/CAL/201412010/192, RTL/CAL/201412011/193, RTL/CAL/201412012/194 dated 15/12/2014</p> <p>With reference no. RTL/CAL201505005/22, RTL/CAL201505006/23, RTL/CAL201505007/24, RTL/CAL201505008/25 dated 12/05/2015</p>	July 2015 for JMR Meters	
25	REHPL	Minutes of Meeting (MOM) between representatives of PP and HPSEBL for installation and	MOM for meter replacements	Project Participant

		replacement of Tri-vector Meters 1. June 2012 MOM dated 15/06/2012 2. December 2012 MOM dated 21/12/2012 3. June 2013 MOM dated 20/06/2013 4. December 2013 MOM dated 20/12/2013 5. June 2014 MOM dated 11/06/2014 6. December 2014 MOM dated 18/12/2014 7. June 2015 MOM dated 16/06/2015		
26	MOU agreement	MOU signed by project participants along with other project promoters dated May 2009	MOU dated May 2009	Others
27	HPSEB	Consent for operation of plant.  1. HPSEB(66)Belij HEP-Chamba /14-22120-24 dated 19/12/2014 valid up to 31/03/2015 2. AWH-36039 dated 16/09/2015 valid up to 31/03/2020	Consent for operation from PCB	Others
28	REHPL	Log record scan documents for period of shutdown covering: 30-04-2013 to 07-05-2013 28-07-2014 to 01-08-2014 20-12-2013 to 17-01-2014 05-02-2014 to 18-02-2014 04-01-2015 to 09-01-2015 29-01-2013 to 31-01-2013	Log records for plant shutdown	Project Participant
29	REHPL	Diesel log records of diesel generator set: For the complete monitoring period	Log records of diesel consumption	Project Participant
30	CEA	CEA CO <sub>2</sub> baseline data base version 11	Version 11 dated April 2016 <a href="http://www.cea.nic.in">www.cea.nic.in</a>	Project Participant & publicly available

## Appendix 4. Clarification requests, corrective action requests and forward action requests

Table 1. CL from this validation

No CLs have been raised during this validation

CL ID	xx	Section no.		Date: DD/MM/YYYY
Description of CL				
Project participant response				Date: DD/MM/YYYY
Documentation provided by project participant				
DOE assessment				Date: DD/MM/YYYY

Table 2. CAR from this validation

<b><u>Date:</u></b>	12/02/2016	<b><u>Raised by:</u></b>		Vijay Kumar Machcha Ashok Kumar	
<b><u>Type of Finding</u></b>	CAR	<b><u>S. No. of Finding</u></b>	2	<b><u>Reference</u></b>	Section A.2 of MR
<b><u>Details of the Finding:</u></b>			12/02/2016		
The geographical coordinates provided for Power House and Trench Weir in MR are not correct.					
<b><u>Project Participant Response</u></b>			06/05/2016		
The geographical co-ordinates provided for power house and trench weir have been corrected as per the actual details on site. The same has been updated in section A.2 of the MR.					
<b><u>Documents/ information provided by the Project Participant:</u></b>					
1. Monitoring Report, Version 02, dated 06/05/2016					
<b><u>Reasoning for acceptance or non-acceptance:</u></b>			25/05/2016		
The geographical co-ordinates provided in the version 02 of MR are found to be appropriate and are clearly tracing the project power house and weir locations with accuracy.					
However, it is noted that the geographical co-ordinates provided registered PDD are different from the details provided in MR, version. 02. Pls clarify. CAR 2 is open.					
<b><u>Project Participant Response</u></b>			18/06/2016		
The geographical co-ordinates provided in the PDD during registration has a minor error in noting the exact geo co-ordinates. However, the details taken for the project now in the MR are clearly identified, accurate and correct. This is a minor error in terms of project location and there is no impact on the project design, operation or any other details provided in the registered PDD. Hence, request you to consider the same.					
<b><u>Documents/ information provided by the Project Participant:</u></b>					
1. Monitoring Report, Version 03, dated 20/06/2016					
<b><u>Reasoning for acceptance or non-acceptance:</u></b>			05/08/2016		



In section A.2 of the revised MR PP has mentioned the correct geographical co-ordinates of power house and diversion weir. The verification team has checked these geographical coordinates with the geographical coordinates taken during the site visit and found to be correct and hence, acceptable. As this change in the project location due to the said correction falls under Post registration changes requirement, however, the project participant has not submitted the revised PDD and MR with reference to the change in the location and PRC. CAR is open.	
<b>Project Participant Response</b>	09/09/16
The PDD and MR have been revised with respect to the applicable post registration for corrections made.	
<b>Documents/ information provided by the Project Participant:</b>	
1. Monitoring Report, Version 04, dated 09/09/2016 2. Revised PDD, Version 04, dated 14/09/2016	
<b>Reasoning for acceptance or non-acceptance:</b>	22/09/2016
The revised PDD with respect to the corrections in geo-graphical coordinates change for power house and diversion weir and MR with necessary changes in section B.2 have been submitted for verification. The same have been checked by verification team and found to be acceptable. Hence, CAR 2 is closed.	
<b>Close out by Lead Assessor</b>	22/09/2016

Table 3. FAR from this validation

FAR ID	xx	Section no.	Date: DD/MM/YYYY
<b>Description of FAR</b>			
<b>Project participant response</b>			<b>Date: DD/MM/YYYY</b>
<b>Documentation provided by project participant</b>			
<b>DOE assessment</b>			<b>Date: DD/MM/YYYY</b>

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## Document information

Version	Date	Description
01.0	23 March 2015	Initial publication.
Decision Class: Regulatory Document Type: Form Business Function: Registration Keywords: post-registration change, project activities, validation report		