Monitoring report form
(Version 05.1)

MONITORING REPORT		
Title of the project activity	Wind Power Project of Hindustan Platinum in Maharashtra	
UNFCCC reference number of the project activity	5425[1]	
Version number of the monitoring report	01	
Completion date of the monitoring report	01/12/2016	
Monitoring period number and duration of this monitoring period	Monitoring period number: 02 Monitoring period: 30/10/2013 to 01/11/2016 (Both days included)	
Project participant(s)	Hindustan Platinum Pvt. Ltd.	
Host Party	India	
Sectoral scope(s)	Sectoral Scope 1: Energy Industries (renewable - /non renewable sources)	
Selected methodology(ies)	Methodology: - AMS I.D – Grid connected renewable electricity generation – version 17	
Selected standardized baseline(s)	Not Applicable	
Estimated amount of GHG emission reductions or net GHG removals by sinks for this monitoring period in the registered PDD	17,250	
Total amount of GHG emission reductions or net GHG removals by sinks achieved in this monitoring period	GHG emission reductions or net GHG removals by sinks reported up to 31 December 2012	GHG emission reductions or net GHG removals by sinks reported from 1 January 2013 onwards
	0	15,033

[1] http://cdm.unfccc.int/Projects/DB/SGS-UKL1321357848.74/view

SECTION A. Description of project activity

A.1. Purpose and general description of project activity

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Hindustan Platinum Pvt. Ltd. (HPPL) established in 1961. It is a manufacturer of precious metals products having industrial applications across a broad spectrum of industries. HPPL has decided to invest into renewable energy sector by setting up new Wind Turbine Generators (WTGs) in year 2008. Based on this decision HPPL (now onwards referred as Project Participant/ PP) has invested in setting up of 2 nos. of 1650 kW WTGs at Revangoan (Bhud) village of Khanapur Taluka of Sangli District in Maharashtra state in India. Details of the site are as below,

Table - 1: Site Details

PP	Capacity	Tower No.	Gat No.	Model No.	Commissioned On
HPPL	1650 kW	R – 8	722	V 82	31/03/2008
	1650 kW	R – 22	297	V 82	31/03/2008

The technology used for the project activity is supplied by well-established firm - Vestas Wind Technology India Private Limited, which is 100% subsidiary of VESTAS A/S Denmark. Both the WTGs used in the project activity are V 82 type WTGs with nominal power capacity 1650 kW. The main features of the WTG are given in Table - 2. Power generated is exported to North, East, West, North-East (NEWNE) grid of India.

Purpose of the project activity:

The main purpose of the project activity is to generate electrical energy through sustainable means - using wind power resources and to reduce the dependence on fossil fuels for energy requirements. The Project Proponent (PP) has signed a power purchase agreement (PPA) with "The Maharashtra State Electricity Distribution Company Limited" (MSEDCL) and exports the electricity to the local grid. The project displaces electricity from the NEWNE grid thereby helping in significant reduction of GHG emissions. Apart from generation of renewable electricity, the project has also been conceived for the following:

- To enhance the propagation of commercialization of wind turbines in the region.
- Contribute to the sustainable development of the region.
- To reduce the prevalent regulatory risks for this project through revenues from the CDM

The electricity generated by these 2 WTGs is measured using a dedicated State Electricity Board's energy meters.

Project Promoter	Capacity	Tower No.	Main meter	Back-up meter
Hindustan Platinum Private Limited	1650 kW	R – 8	04880949	04880948
	1650 kW	R – 22	04880946	04880945

Brief description of the installed technology and equipments:

The project activity consists of 2 WTGs of 1650 kW manufactured, supplied & maintained by **Vestas Wind Technology India Pvt. Ltd**. The WTGs are installed in Maharashtra, India. The technology is a clean technology since there are no GHGs emissions associated with the electricity generation.

Generated electricity is transmitted through a transmission lines to the nearest substation. The turbines used are certified and manufactured according to International Standards. The technological key features are as follows:

Table- 2: Salient Features of Vestas V 82/1650

Sr. No.	Item	Description
1.	Make	Vestas Wind technology India Pvt Ltd.
2.	Model No.	V 82
Operational Conditions		
3.	Calculated Lifetime	20 years
4.	Cut-in Wind Speed (m/s)	3.5
5.	Cut-out Wind Speed (m/s)	20 (10 min. average)
6.	Maximum Rotational Speed	14.4 rpm
Main Specification		
7.	Rotor Diameter (m)	82
8.	No. of Blades	3
9.	Power Control	Active Stall
10.	Rotational Speed (Synchronous)	14.4 rpm
11.	Rotor Position	Upwind
12.	Nominal Power	1650 kW
13.	Hub Height	78 m
Rotor		
14.	Rotor Diameter	82 m
15.	Tilt Angle	5°
16.	Swept Area	5281 m^2
Blade		
17.	Material	Carbon Fiber/Epoxy/Wood
18.	Blade Length	40 m
19.	Blade Profile	FFA-W, NACA 63.4
20.	Air Break	Full Break
Hub		
21.	Type	Spherical
22.	Material	EN-GJS-400-18U-LT
Main Shaft		
23.	Type	Forged shaft and flange
24.	Material	34CrNiMo6
Main Bearing		
25.	Front Bearing	Spherical roller bearing
Main Gearbox		
26.	Gear ratio	1:70.2
27.	Mechanical Power	1800 kW
Couplings		
28.	Gearbox/ Generator	Flexible
Generator		
29.	Nominal Power	1650 kW
30.	Rotational speed (synchronous)	1012 rpm at rated power
31.	Insulation Class	F/B
32.	Protection Class (IEC529)	IP54
Machine Frame		
33.	Type	Casted front end
34.	Material	EN-GJS-400-18U-LT
Yawing System		

35.	Yaw Nearing Type	Ball bearing, internal gearing
36.	Yaw Motor	6 nos.
37.	Yaw Gear	6 pcs
38.	Gearing Ration	1:1666
39.	Yaw Brake	Hydraulic disc break, 6 pcs
Mechanical Brake		
40.	Type	Fail safe – Hydraulic release
41.	Position	Mounted on high speed shaft
42.	Number of calipers	1 pc.
Tower		
43.	Type	Conical tubular
44.	Height	75.5 m
45.	Corrosion protection	Acc. To ISO 12944:C5I
Control System		
46.	Manufacture	NEGM Control System
47.	Type	Microprocessor based

Relevant dates for the project activity:

Table- 3: Relevant dates

Tower No.	Start date of the project activity	Commissioning of WTGs	Registration of project activity under CDM	Second Monitoring Period
R – 8	16/01/2008[2]	31/03/2008	17/07/2012	30/10/2013 to 01/11/2016
R – 22		31/03/2008		

Total emission reductions achieved in this monitoring period:

During the reported monitoring period 30/10/2013 to 01/11/2016 (First date included & last Date included) the project activity has supplied 16,566 MWh of electricity, and thus contributing to the GHG reductions of 15,033 tCO_2e.

A.2. Location of project activity

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Table- 4: Location details

Location No.	R – 8	R – 22
Country	India	India
State	Maharashtra	Maharashtra
District	Sangli	Sangli
Taluka	Khanapur	Khanapur
Village	Revangoan (Bhud)	Revangoan (Bhud)
Latitude	17º 16' 48.7" N	17º 16' 27.1" N
Longitude	74º 38' 13.2" E	74º 38' 50.2" E
Gat No.	722	297

The project activity is located at Revangon village of Maharashtra state of India. The site is about 400 km from Mumbai and 200 km from Pune. The nearest railway station is Karad which is 45 km from the project site. The nearest airport is Pune which is 200 km from project site.

[2] The P.O released and as per the registered PDD of the project activity

A.3. Parties and project participant(s)

Party involved ((host) indicates a host Party)	Private and/or public entity(ies) project participants (as applicable)	Indicate whether the Party involved wishes to be considered as project participant (yes/no)
India (host)	Hindustan Platinum Pvt. Ltd. (Private Entity)	No

A.4. Reference of applied methodology and standardized baseline

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Title: Grid connected renewable electricity generation

Reference: The project activity meets the eligibility criteria to use the simplified modalities and procedure for small-scale CDM project activities as set out in paragraph 6 (c) of decision 17/CP.7. Details of methodology for baseline calculations for CDM projects of capacity less than 15 MW are available in the "Appendix B of the simplified modalities and procedure for small scale CDM project activities".

Methodology: AMS I. D Grid Connected Renewable Electricity Generation (Version 17, EB 61)
Type I: Renewable Energy Project (Small Scale)
Category: I. "D", Grid Connected Renewable Electricity Generation

Reference has been taken from indicative simplified baseline and monitoring methodologies for selected small scale (CDM projects less than 15 MW) project activity categories.

Tool referred with above methodology is – Version 02.2.1 (EB 63, Annex 19)[3] of "Tool to calculate the emission factor for an electricity system".

A.5. Crediting period of project activity

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Type of crediting period	Fixed
Crediting period from	01/08/2012 to 31/07/2022
Length of the Crediting Period	10 Years
Monitoring period from	30/10/2013 to 01/11/2016
Length of the Monitoring Period	1099 Days

A.6. Contact information of responsible persons/entities

Mr. Gautam A. Choksi
Hindustan Platinum Pvt. Ltd
C-122, TTC Industrial Area, Pawane Village, Navi Mumbai, Maharastra- 400073, India.

The above entity is also acting as a project participant for this project activity as indicated in Appendix 1 below.

SECTION B. Implementation of project activity

B.1. Description of implemented registered project activity

The total installed capacity of the project is 3.30 MW, which comprises in total 2 nos of 1650 kW Wind Turbine Generator (WTG). The technology used for the project activity is supplied by well-established firm - Vestas Wind Technology India Private Limited, which is 100% subsidiary of VESTAS A/S Denmark. Both the WTGs used in the project activity are V 82 type WTGs with nominal

[3] http://cdm.unfccc.int/methodologies/PAmethodologies/tools/am-tool-07-v2.2.1.pdf

power capacity 1650 kW. The commissioning date of All the WTGs of the project activity is given below:

PP	Capacity	Tower No.	Site (Village)	Commissioned On
HPPL	1650 kW	R – 8	Revangoan (Bhud)	31/03/2008
	1650 kW	R – 22	Revangoan (Bhud)	31/03/2008

Both the WTGs have run successfully during the reported monitoring period. All the physical and technical features as stated in the registered PDD are in place and project has been operated as described in the registered PDD.

No events or situations happened during the reported monitoring period which can alter the applicability of the applied methodology.

B.2. Post-registration changes

B.2.1. Temporary deviations from registered monitoring plan, applied methodology or applied standardized baseline

There is no request for deviation applied during this monitoring period.

B.2.2. Corrections

There have not been any corrections to project information or parameters fixed at validation during the current monitoring period.

B.2.3. Changes to start date of crediting period

Not Applicable.

B.2.4. Inclusion of a monitoring plan to the registered PDD that was not included at registration

Not Applicable.

B.2.5. Permanent changes from registered monitoring plan, applied methodology or applied standardized baseline

There has not been any change in the monitoring plan during the current monitoring period.

B.2.6. Changes to project design of registered project activity

There has not been any change in the PDD during the current monitoring period.

B.2.7. Types of changes specific to afforestation or reforestation project activity

Not Applicable.

SECTION C. Description of monitoring system

Roles and responsibilities:

Director – Finance: In the project management structure Director – Finance is responsible for the overall project management. Director – Finance is responsible to plan and allocate the annual budget for operation, estimation of the likely operating cost, electricity dispatch, organizing third party contractors, revenue collection etc. Director – Finance will check the monthly electricity generated and annual emission reduction calculations. Director – Finance is responsible for any leakage of emissions in the project boundary.

Manager: Manager is assisting to Director – Finance for completing the task discussed above. He/She is responsible for the electricity generations at the individual wind turbine installations. He/She will crosscheck the credit notes with the log book regularly and report to Director – Finance for any abnormality. Operation and maintenance of wind generators will be done by Vestas and they will be responsible to Manager. He/she is also responsible for conducting annual calibration of main & check meters.

Site Supervisor: Site supervisor from Vestas is responsible for onsite activities like operations & maintenance etc. Site supervisor is also responsible for recording the electricity meter reading and upkeep of WTG controllers.

Record Handling: OEM contractors are collecting daily report with all the related parameters. All the records are given to Manager every month. Manager can further pass on the information to concern person as shown in above organization chart. Manager is also responsible for record keeping.

JMR Procedure: Once in a month MSEDCL Asst engineer is taking reading at Karve sub station where both the machines are connected. Readings are noted by representatives from different division which is one official from Dy Elect. Engineer from Sangli Windmill division, one official from Asst. Engineer / Junior Engineer from Vita Sub division, Executive Engineering from Vita division, and one engineer from Vestas will present.

Once this JMR is completed, then within 5 days (approx.), JMR report to be submitted to Vita division and sub division and MSEDCL, Sangli circle office. Thereafter processing this JMR, MSEDCL will release the credit notes to individual developers name within 15th of every month. Accordingly invoice can be raised based on credit notes and payment releases after 45 days of invoice submission.

Internal Audits and performance review

These records are regularly audited and checked by the senior officials from PP during their visits to the site. The senior officials visit once in a year and audit the records. The officials will crosscheck the emissions reductions claimed in PDD with respect to actual emissions reduction.

For any deviation from the actual emission reduction values and reported values corrective action will be suggested by senior official to calculate the conservative emission reduction. All corrective actions will be recorded in the logbook.

Data will be cross checked in following manner to determine accuracy and uncertainty level,

1. Reading of main meter and check meter will compared
2. Difference between these values are calculated
3. If difference cross the permitted limits the meters will be checked for accuracy
4. In case of abnormality meter calibration will be done or meter will be replaced with similar meter.

Monitoring and Calibration

As emission reductions from the project are determined by the number of units exported to the grid, it is mandatory to have a monitoring system in place and ensure that the project activity produces and exports the rated power at the stipulated norms. The sole objective of having monitoring system is to have a constant watch on the emission reductions.

The delivered energy shall be metered by Vestas and state electricity board at the low voltage side of the step up transformers in substations. Metering is done either for two /three / more wind mills depending on the location of wind mills and service connection number. Metering equipment is electronic tri-vector meters. The metering equipment is maintained in accordance with electricity standards and has the capability of recording hourly and monthly readings. Records of joint meter reading are maintained at site and a copy is maintained at the head office. All the meters shall be tested for accuracy every calendar year with reference to a portable standard meter. As the instruments are calibrated and marked at regular intervals, the accuracy of measurement can be

assured at all times. Necessary records of calibration are maintained by Manager (Wind Project) and state electricity board.

SECTION D. Data and parameters

D.1. Data and parameters fixed ex ante or at renewal of crediting period

Data/parameter:	$EF_{grid,OM,y}$
Unit	tCO_2e/MWh
Description	Grid Emission factor (*Operating Margin*), NEWNE Grid
Source of data	Central Electricity Authority: CO_2 Baseline Database, Version 4
Value(s) applied)	1.01
Choice of data or measurement methods and procedures	As required by the methodology AMS-I.D data from the official source need to be used for the calculation of emission factor and emission reduction. To meet this requirement here, emission factor is calculated by taking average of last three years OM from officially published by Central Electricity Authority, Government of India.
Purpose of data	Calculation of baseline emissions
Additional comments	The value is fixed ex-ante and it will remain same throughout during the crediting period

Data/parameter:	$EF_{grid,BM,y}$
Unit	tCO_2e/MWh
Description	Grid Emission factor (*Build Margin*), NEWNE Grid
Source of data	Central Electricity Authority: CO_2 Baseline Database, Version 4
Value(s) applied)	0.60
Choice of data or measurement methods and procedures	As required by the methodology AMS-I.D data from the official source need to be used for the calculation of emission factor and emission reduction. To meet this requirement here, emission factor is calculated by taking average of last three years OM from officially published by Central Electricity Authority, Government of India.
Purpose of data	Calculation of baseline emissions
Additional comments	The value is fixed ex-ante and it will remain same throughout during the crediting period

Data/parameter:	$EF_{grid,CM,y}$
Unit	tCO_2e/MWh
Description	Grid Emission factor (*Combine Margin*), NEWNE Grid
Source of data	Central Electricity Authority: CO_2 Baseline Database, Version 4
Value(s) applied)	0.9075
Choice of data or measurement methods and procedures	As required by the methodology AMS-I.D data from the official source need to be used for the calculation of emission factor and emission reduction. To meet this requirement here, emission factor is calculated by taking average of last three years OM from officially published by Central Electricity Authority, Government of India.
Purpose of data	Calculation of baseline emissions

Additional comments	The value is fixed ex-ante and it will remain same throughout during the crediting period

D.2. Data and parameters monitored

Data/parameter:	**Net Electricity Exported (**$EG_{BL,y}$)
Unit	MWh
Description	Net units of electricity due to substituted in the grid during the period y.
Measured/calculated/default	Calculated
Source of data	Data will be calculated from by Joint Meter Reading and Apportioning procedure. Steps to calculate $EG_{BL,y}$ is given in Annex 4. Same will appear in the electricity bill or MSEDCL credit note.
Value(s) of monitored parameter	16,566 MWh
Monitoring equipment	tri-vector meter (accuracy class 0.2s), located in sub-station, is used for monitoring of import and export values at feeder and WTG controllers, located in each WTGs, are used for monitoring of Net Electricity at each WTG, value of $EG_{BL,y}$ will be calculated based on these data .
Measuring/reading/recording frequency:	Frequency: Monthly and calculate parameter. Archiving Policy: Paper & Electronic Responsibility: Manager (Wind Project) would be responsible for regular calibration of the meter once in a year. Calibration Frequency: Once in a year. Only main & check meters will be calibrated. WTG controllers cannot be calibrated.
Calculation method (if applicable):	Net electricity generated by Individual WTG = Electricity Import by the Grid from Individual WTG - Electricity Export from the Grid to the Individual WTG
QA/QC procedures:	Yes, Quality Management System will be used and the same procedures would be available at the project site. The net electricity exported data appearing in the credit note will be cross-checked with the invoices against sale of power raised by PP.
Purpose of data:	Calculation of baseline emissions or baseline net GHG removals by sinks
Additional comments:	Data archived: Crediting period + 2 yrs

Data/parameter:	**Gross Electricity Exported (**$EG_{Export,y}$)
Unit	MWh
Description	Gross units of electricity exported to grid from feeder during the period y.
Measured/calculated/default	Measured
Source of data	Data will be monitored by Main and/or Check meter, located at sub-station.
Value(s) of monitored parameter	Please refer ER Sheet
Monitoring equipment	Monitoring: tri-vector meter (accuracy class 0.2s) is used for monitoring of export value (EGExport,y). This value is gross export metered at substation feeder and it includes electricity export from project activity and other WTGs connected to same feeder.
Measuring/reading/recording frequency:	Frequency: Measured continuously, recorded Monthly. Archiving Policy: Paper & Electronic Responsibility: Manager (Wind Project) would be responsible for regular calibration of the meter once in a year.

Calculation method (if applicable):	Joint meter reading at the Feeder is recorded by MSEDCL Officials & an energy break-up sheet is issued by MSEDCL after apportioning based on controller data. Export from the grid = $\frac{Generation\ at\ WTG\ controller}{Total\ generation\ at\ all\ WTG\ controllers\ connected\ to\ the\ feeder} \times Export\ from\ MSEDCL\ main\ check\ meter$
QA/QC procedures:	Yes, Quality Management System will be used and the same procedures would be available at the project site. The net electricity exported data appearing in the credit note will be cross-checked with the invoices against sale of power raised by PP.
Purpose of data:	Calculation of baseline emissions or baseline net GHG removals by sinks
Additional comments:	Data archived: Crediting period + 2 yrs

Data/parameter:	**Gross Electricity Imported (**$EG_{Import,y}$)
Unit	MWh
Description	Units of electricity imported from grid from feeder during the period y.
Measured/calculated/default	Measured
Source of data	Data will be monitored by Main and/or Check meter, located at sub-station.
Value(s) of monitored parameter	Please refer ER Sheet
Monitoring equipment	Monitoring: tri-vector meter (accuracy class 0.2s) is used for monitoring of export value (EGExport,y). This value is gross export metered at substation feeder and it includes electricity export from project activity and other WTGs connected to same feeder.
Measuring/reading/recording frequency:	Frequency: Measured continuously, recorded Monthly. Archiving Policy: Paper & Electronic Responsibility: Manager (Wind Project) would be responsible for regular calibration of the meter once in a year. Calibration Frequency: Once in a year. Only main & check meters will be calibrated. WTG controllers cannot be calibrated.
Calculation method (if applicable):	Joint meter reading at the Feeder is recorded by MSEDCL Officials & an energy break-up sheet is issued by MSEDCL after apportioning based on controller data. Import by the grid = $\frac{Generation\ at\ WTG\ controller}{Total\ generation\ at\ all\ WTG\ controllers\ connected\ to\ the\ feeder} \times Import\ from\ MSEDCL\ main\ check\ meter$
QA/QC procedures:	Yes, Quality Management System will be used and the same procedures would be available at the project site. The net electricity exported data appearing in the credit note will be cross-checked with the invoices against sale of power raised by PP.
Purpose of data:	Calculation of baseline emissions or baseline net GHG removals by sinks
Additional comments:	Data archived: Crediting period + 2 yrs

Data/parameter:	**Export as per Project WTG Controller (**$EG_{PR\_Controller,y}$)
Unit	MWh
Description	Electricity exported from project WTG, as recorded in controller of WTG during the period y.
Measured/calculated/default	Measured
Source of data	WTG Controller readings
Value(s) of monitored parameter	Please refer ER Sheet

Monitoring equipment	Monitoring: WTG controller will be used to monitor this parameter. Data Type: Measured & Calculated Frequency: Measured continuously, recorded Monthly. Archiving Policy: Paper & Electronic Responsibility: Site supervisor is responsible for up keeping of WTG controllers. Calibration Frequency: WTG controllers cannot be calibrated.
Measuring/reading/recording frequency:	Frequency: Measured continuously, recorded Monthly.
Calculation method (if applicable):	This value will be taken from the WTG controller considered in the project activity
QA/QC procedures:	Yes, Quality Management System will be used and the same procedures would be available at the project site.
Purpose of data:	Calculation of baseline emissions or baseline net GHG removals by sinks
Additional comments:	Data archived: Crediting period + 2 yrs

Data/parameter:	**Total Export as per WTG Controller ($EG_{All\_Controller,y}$)**
Unit	MWh
Description	Sum of electricity exported, as metered by controller, of all WTGs connected to same feeder where project WTG are connected, during the period y.
Measured/calculated/default	Measured
Source of data	WTG Controller readings
Value(s) of monitored parameter	Please refer ER Sheet
Monitoring equipment	Monitoring: WTG controller will be used to monitor this parameter. Data Type: Measured & Calculated Frequency: Measured continuously, recorded Monthly. Archiving Policy: Paper & Electronic Responsibility: Site supervisor is responsible for up keeping of WTG controllers. Calibration Frequency: WTG controllers cannot be calibrated.
Measuring/reading/recording frequency:	Frequency: Measured continuously, recorded Monthly.
Calculation method (if applicable):	This value will be calculated by totalling export value metered by controller of all WTGs (including project WTGs) connected on same feeder as the project activity WTG.
QA/QC procedures:	Yes, Quality Management System will be used and the same procedures would be available at the project site.
Purpose of data:	Calculation of baseline emissions or baseline net GHG removals by sinks
Additional comments:	Data archived: Crediting period + 2 yrs

D.3. Implementation of sampling plan

Not applicable

SECTION E. Calculation of emission reductions or GHG removals by sinks

E.1. Calculation of baseline emissions or baseline net GHG removals by sinks

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As per the approved methodology AMS I.D version 17 baseline emissions for the project activity are calculated by multiplying the net quantity of electricity supplied by this project activity (EGBL, y) with the CO_2 baseline emission factor for the electricity displaced due to the project (EFCO2) as follows:

$$BE_y = EG_{BL,y} \times EF_{CO2,grid,y} = EG_{BL,y} \times EF_{grid,CM,y}$$

Where,

$EF_{CO2,grid,y}$	=	Baseline emission factor
	=	0.9075 tCO_2e/MWh
$EG_{BL,y}$	=	Net electricity supplied to the NEWNE regional grid (MWh)
	=	16,566 MWh

E.2. Calculation of project emissions or actual net GHG removals by sinks

Since the project activity is a renewable energy project which generates electricity using wind power therefore there are no resulting project emissions.

E.3. Calculation of leakage

No leakage is considered from the project activity as per approved methodology AMS-I.D.

E.4. Summary of calculation of emission reductions or net GHG removals by sinks

Item	Baseline emissions or baseline net GHG removals by sinks (t CO_2e)	Project emissions or actual net GHG removals by sinks (t CO_2e)	Leakage (t CO_2e)	GHG emission reductions or net GHG removals by sinks (t CO_2e) achieved in the monitoring period		
				Up to 31/12/2012	From 01/01/2013	Total amount
Total	15,033	0	0	0	15,033	15,033

E.5. Comparison of actual emission reductions or net GHG removals by sinks with estimates in registered PDD

Item	Values estimated in ex ante calculation of registered PDD	Actual values achieved during this monitoring period
Emission reductions or GHG removals by sinks (t CO_2e)	17,250	15,033

E.6. Remarks on difference from estimated value in registered PDD

From E.5 above, we can observe that actual emission reduction for the monitoring is lower than estimated emission reductions by 13 %. This is due to the fact that lower PLF has been observed which is due to lower generation resulted due to variation in wind due to seasonal variations.

Appendix 1. Contact information of project participants and responsible persons/entities

Project participant and/or responsible person/ entity	☒ Project participant ☐ Person/entity responsible for completing the CDM-MR-FORM
Organization name	Hindustan Platinum Pvt. Ltd.
Street/P.O. Box	
Building	C-122 TTC Industrial Area, Pawane Village,
City	Navi Mumbai
State/region	Maharashtra
Postcode	400703
Country	India
Telephone	
Fax	
E-mail	
Website	
Contact person	
Title	Vice President – Finance
Salutation	Mr.
Last name	Choksi
Middle name	A.
First name	Gautam
Department	
Mobile	
Direct fax	
Direct tel.	
Personal e-mail	

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Document information

Version	*Date*	*Description*
05.1	4 May 2015	Editorial revision to correct version numbering.
05.0	1 April 2015	Revisions to: • Include provisions related to delayed submission of a monitoring plan; • Provisions related to the Host Party; • Remove reference to programme of activities; • Overall editorial improvement.
04.0	25 June 2014	Revisions to: • Include the Attachment: Instructions for filling out the monitoring report form (these instructions supersede the "Guideline: Completing the monitoring report form" (Version 04.0)); • Include provisions related to standardized baselines; • Add contact information on a responsible person(s)/ entity(ies) for completing the CDM-MR-FORM in A.6 and Appendix 1; • Change the reference number from *F-CDM-MR* to *CDM-MR-FORM*; • Editorial improvement.
03.2	5 November 2013	Editorial revision to correct table in page 1.
03.1	2 January 2013	Editorial revision to correct table in section E.5.
03.0	3 December 2012	Revision required to introduce a provision on reporting actual emission reductions or net GHG removals by sinks for the period up to 31 December 2012 and the period from 1 January 2013 onwards (EB70, Annex 11).
02.0	13 March 2012	Revision required to ensure consistency with the "Guidelines for completing the monitoring report form" (EB 66, Annex 20).
01	28 May 2010	EB 54, Annex 34. Initial adoption.

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