

To,
The Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest and Climate Change,
Regional Office (WCZ), Ground Floor,
East Wing, New Secretariat Building Civil Lines,
Nagpur- 440001

Sub: Six monthly compliance report (**April 2020-Sept 2020**) for Expansion of Clinker production(3.5 MTPA to 5.1 MTPA) and Cement Production(1.0 MTPA to 3.5 MTPA) (by installation of Unit III for Clinker Production of 1.6 MTPA and cement production of 2.0 MTPA and installation of 75MW Coal based Thermal Power Plant at our premises of Sonadih Cement Plant : M/s Nuvoco Vistas corporation Limited, P.O. Raseda, Distt. Balodabazar Bhatapara, Chhattisgarh- rg

Ref: MOEF on line Proposal No IA/CG/IND/58554/2016,F.No.J11011/386-
/2005- IA-II(I)dated 22nd February 2019.

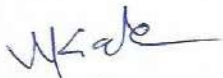
Dear Sir,

With reference to the above mentioned environmental clearance letter, we would like to inform you that, at present commencement of project of Expansion of Clinker production(3.5 MTPA to 5.1 MTPA) and Cement Production(1.0 MTPA to 3.0 MTPA) (by installation of Unit III for Clinker Production of 1.6 MTPA and Cement Production of 2.0 MTPA is not started. However, commissioning of 25 MW captive power plant is in progress & we have obtained consent to operate from CECB Raipur.

We are submitting herewith the Six monthly compliance report for the period April'2020 to Sept 2020 for your reference and record pl.

Thanking You,

Yours faithfully,
For Nuvoco Vistas Corporation Limited



Vinay Kale
Dy General Manager (Environment)

Encl As above.

CC : Member Secretary, Chhattisgarh Environmental Conservation Board,
Atal Nagar, Raipur, Chhattisgarh

Sonadih Cement Plant : Nuvoco Vistas Corporation Limited

Six monthly compliance report wrt EC granted vide F.No.J11011/386-/2005- IA-II(I)dated 22nd February 2019 for Expansion of Clinker production (3.5 MTPA to 5.1 MTPA) and Cement Production(1.0 MTPA to 3.5 MTPA) (by installation of Unit III for Clinker Production of 1.6 MTPA and cement production of 2.0 MTPA and installation of 75MW Coal based Thermal Power plant at our premises of Sonadih Cement Plant of M/s Nuvoco Vistas corporation Limited Located at P.O. Raseda, Distt. Balodabazar Bhatapara, Chhattisgarh for the **Period- April 2020-Sept 2020**

| | |
|-----------|---|
| S.No. | |
| A | Specific Conditions: |
| i | All the raw materials included lime stone stored should be covered. |
| Status | Agreed ,will be comply |
| ii | All the buildings own by the villagers are damaged due to blasting and operational vibrations will have to be repaired by the PP. |
| Status | will be comply if any |
| iii | The PP will initiate regular vibration monitoring. |
| Status | Vibration monitoring is being done regularly for each blast. Vibration recorded during April'20 –Sept 20 (PPV - Min -0.825 to Max 3 .25 mm/Sec at distance of 300 mtr from blast |
| iv | The PP will explore possibility of increasing power generation through WHRB |
| Status | Will explore after establishing the existing WHRB up to 11 MW |
| v | New NOx emissions standards as notified shall be compiled using appropriate technology. |
| Status | Noted and will comply |
| vi | 96 number's rain water recharge wells shall be constructed in addition to the existing rain water harvesting within the next three years ie, 31 st December 2021. |
| Status | Will be constructed alongwith project commencement, However in this year we have constructed rain water harvesting structure for 4 Nos building |
| vii | The CER activities shall be completed within the next three years ie, by Dec. 2021. |
| Status | Agreed, will be complete within three year from project commencement. The above expansion project yet to start , however we have initiated CER activities in surrounding villages as we started construction of 25 MW CPP with proposed Capex expenditure of 149 Crore accordingly proportionate CER budget would be 1.37 Crore & we incurred 1.31. Crore till March 20 ,The details of expenditure incurred in FY 19 , FY 20 and CA certificate is attached as Annexure I |
| viii | The project proponent shall prepare a site-specific conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six monthly compliance reports. |
| Status | In order to protect and improve the faunal population, a site specific Conservation Plan has been prepared which is approved by Principle Chief Conservator of Forest, Govt. of Chhattisgarh with a conservation budget of Rs. 180 Lakhs vide letter no 449/2019/3623 dated 26.06.2019. Approval letter of Conservation plan is enclosed as Annexure II |
| B. | General Conditions: |
| I. | Statutory Compliance: |
| I | The project proponent shall obtained Consent to establish / operate under the provisions of Air (Prevention & Control of Pollution) Act, 1974 from the concern SPCB / committee. |
| Status | Agreed, CTO for 25 MW Power plant obtained from Chhattisgarh Environment Conservation Board Raipur vide letter No.1513/TS/CECB/2019 Atal Nagar, dated 10/06/2019. |
| ii | The project proponent shall obtain authorisation under the Hazardous and other Waste |

| | |
|------------|--|
| | Management Rules 2016 as amended for time to time. |
| Status | We have obtained authorization for existing plant , we have applied for amendment of authorization considering the HW generation from proposed CPP |
| II. | Air quality monitoring and preservation |
| i | The project proponent shall install 24x7 continues emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 (GSR No.612(E) dated 25 th S.O. 3305(E) date 7 th December 2015(Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system time to time according to equipment supplier specification through labs recognised under Environment (protection) Act, 1986 or NABL accredited laboratories. |
| Status | We have already installed Durag Make CEMS for PM & ABB make analyser SOx & NOx and real time data transfer at CPCB & CECB server, further we have procured CEMS for our 25 MW power plant and will be installed during CPP commissioning. Will also comply for Unit 3 |
| ii | The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986. |
| Status | Complied with, In existing premises we are monitoring at 4-5 Location inside the plant on quarterly basis through MoEF recognize laboratory approved Lab M/s Anacon Laboratories Limited Nagpur) on quarterly basis and SPM level maintain well within the limit (i.e. As per CPCB Guideline less than 2000 Microgram/M3. |
| iii | The project proponent shall install Continuous Ambient Air quality monitoring systems for monitoring of common / criterion parameters relevant to the main pollutants released (e.g. PM ₁₀ & PM _{2.5} in reference to PM emission and SO ₂ and NO _x in reference to SO ₂ and NO _x emissions) within the outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120. each), covering upwind and downwind directions. |
| Status | 4 Nos on line AAQMS have been already installed In existing premises for monitoring of PM ₁₀ , PM _{2.5} , SO _x & NO _x & CO , the expansion project will also commence within the premises. |
| iv | The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring along with results of manual stack monitoring and manual monitoring of air quality / fugitive emissions to Regional office of MoEF&CC, Zonal office of CPCB and Regional office of SPCB along with six monthly monitoring report. |
| Status | Will comply. However presently, monthly monitoring report is being submitted with PCB and also on line data transfer to CPCB/CECB server. Report is enclosed as per Annexure III |
| v | Appropriate Air Pollution Control (APC) system shall be provided at all the dust generating points including fugitive from all vulnerable sources, so as to comply with the prescribed stack emission and fugitive emission standards. |
| Status | Adequate capacity 's PCEs will be provide at all sources of dust generation. |
| vi | The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better operation of bag house. |
| Status | Will provide |
| vii | Pollution control system in the Plant shall be provided as per the CREP Guidelines of CPCB. |
| Status | Pollution control system like ESPs , Hybrid filter & Bag houses have already provided in existing plant and we will also provide the same in proposes expansion project. |
| viii | Sufficient number of mobile or stationery vacuum cleaners shall be provide to clean plant roads, shop floors, roofs regularly. |
| Status | We have procured the road swiping machine and also and mobile vacuum cleaning machine |
| ix | Ensure covered transportation and conveying raw material of to prevent spillage and dust generation. Used close bulkers for carrying fly ash. |
| Status | In the existing plant we have already provided all conveyors in covered shed, Will also ensure the same for expansion project flyash carrying in closed bulker only. |

| | |
|-------------|--|
| x | Provide wind shelter fence and chemical spraying on the raw material stock piles. |
| Status | Raw material is stored in covered shed , Will provide shed and wind shelter fence in proposed expansion project also. |
| xi | Provide low NOx burners as primary measures and SCR / NSCR technologies as secondary measure to control NOX emissions. |
| Status | Emission level will maintain within prescribed limit by installation of State of art technology |
| xii | Have separate truck parking area and monitor vehicular emissions at regular interval |
| Status | Separate truck parking area is provide for raw material, Cement & AF material , in future also we will provide the additional parking area to accommodated expansions requirement. vehicular emissions at regular without PUC certificate we are not allowing any vehicle in our yard. |
| xiii | Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agriculture land by the use of covered conveyer belts / railways as a mode of transport. |
| Status | We don't use conveyor belt outside the plant for transportation of raw material/product. Rail/Road transportation is used for raw material/end product transportation with tarpaulin covered , maximum raw material is transported by rail the same will maintain in future also. |
| xiv | Ventilator system shall be designed for adequate Air changes as per ACGIH document for all tunnels, motor houses, and cement bagging plants. |
| Status | Already provide proper ventilation at all location and same will provide in expansion project |
| III. | Water Quality Monitoring and Prevention: |
| i | The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rule 1986 vide GSR No. 612(E) date 25 th August 2014 (Cement) and subsequent amendment date 9 th May 2016 (Cement) and S.O 3305 (E) Dated 7 th December 2015 (Thermal Power Plant) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specifications through labs recognised through Environment (Protection) Act, 1986 or NABL accredited laboratories(case to case basis small plants: Manual Large plants continuous). |
| Status | Will be comply for CPP as per requirement. |
| ii | The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers / sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories. |
| Status | Presently, we are regularly monitored the ground water/surface water quality on quarterly basis and same will be continue. |
| iii | The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional office of MoEF&CC, Zonal office of CPCB and Regional office of SPCB along with six monthly monitoring report. |
| Status | Will comply. |
| iv | Adhere to 'Zero liquid discharge' |
| Status | Will maintain zero liquid discharge. |
| v | Sewage treatment plant shall be provided for treatment of domestic waste water to meet the prescribed standards. |
| Status | At Present for domestic waste water we have already installed STP at colony with capacity of 550 KLD , will review and install if quantity increases. |
| vi | Garland drains and collection pits shall be provided for each stock pile to arrest the runoff the event of heavy rains and to check the water pollutions due to surface runoff. |
| Status | Noted , will provide |

| | |
|--------------|--|
| vii | Water meters shall be provided to at the inlet to all unit process in the cement plant. |
| Status | Water meters have been already provided in existing plant, will also provide at all locations for measurement of water consumption in new plant. |
| viii | The project proponent shall make efforts to minimise water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water. |
| Status | We are taking steps to minimize water consumption, last year(FY 20) we have reduced water consumption more than 10 % current year also taken target of reducing 5% water over FY20 |
| IV. | Noise monitoring and prevention: |
| i | Noise level survey shall be carried as per the prescribed guidelines and report in this regards shall be submitted to Regional Officer of the Ministry as a part of six monthly Compliance report. |
| Status | Presently noise level is maintain within the prescribed limit i.e. in Day time <75 dBA & Night <70 dBA along the Plant Boundary the same will maintain with Expansion project . |
| ii | The ambient noise levels should conform to the standards prescribed E(P)A Rules, 1986 viz. 75dB(A) during day time and 70 DB(A) during night time. |
| | Presently ambient noise level is maintained well within prescribed norms ,i.e. <70 dB(A) |
| V. | Energy Conservation measures |
| i | Provide solar power generation on roof tops of buildings, for solar light systems for all common areas street lights, parking around project area, and maintain the same regularly. |
| Status | Will explore the feasibility and comply, however we have installed 100 nos street light in mining area and 30 nos under installation in plant area. |
| ii | Provide the project proponent for LED lights in their offices and residential areas. |
| Status | In existing unit and also in colony LED lights have provided, will also consider for new installation. |
| iii. | Maximize utilization of fly ash, slag and sweetener in cement blend as BIS standards. |
| Status | We are already adding % Fly ash in our PPC as per Maximum allow by BIS Standard i.e. 35% |
| VI. | Waste Management |
| i | The waste oil, grease and other hazardous waste shall be disposed of as per Hazardous & Other waste (Management and Transboundary Movement) Rules 2016. |
| Status | Complied with |
| ii | Kitchen waste shall be composted or converted to biogas for further use. |
| Status | Noted , presently we are doing composting of kitchen waste |
| VII. | Greenbelt |
| i | Greenbelt shall be developed in an areas equal 33% of the plant area with a native tree species in accordance with CPCB guidelines. The green belt shall inter alia cover the entire periphery of the plant. |
| Status | Presently we have already covered more than 33 % area as green area and maintain the same details of plantation is enclosed as Annexure IV |
| ii | The project proponent shall prepare GHG emission inventory for the plant and shall submit the program for reduction of the same including carbon sequestration including plantation. |
| Status | Noted, will be comply |
| VIII. | Public hearing and Human health Issues: |
| i | Emergency preparedness plan based on the Hazard identification and risk Assessment (HIRA) and Disaster Management Plan shall be implemented. |
| Status | Complied with |
| ii | The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act. |
| Status | Complied with |
| iii | Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, Mobile toilets, Mobile STP, safe |

| | |
|------------|---|
| | drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project. |
| Status | Noted, will be comply |
| iv | Occupational health surveillance of the worker shall be done on a regular basis and records maintain as per the Factories ACT. |
| Status | Complied with |
| IX. | Corporate Environment Responsibility |
| i | The project proponent shall comply with the previous contained in his Ministry's OM vide F No. 22/65/2017-IA dated 1 st May 2018, as applicable, as applicable regarding Corporate Environment Responsibility. |
| Status | Noted , will be comply , However wrt 25 MW CPP we are complying the same (Annexure I) |
| ii | The company shall have well laid down environmental policy duly approved by the Board of Director's. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring in to focus any infringements/deviation/violation of environmental / forest / wildlife norms / conditions / and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF & CC as a part of six monthly reports. |
| Status | Noted, Existing policy has already approved, Resolution will be submit whenever change. |
| iii | A separate Environmental Cell both at the project and company headquarter level, with qualified personal shall be up under the control of Senior Executive who will report directly to the head of the organization. |
| Status | Complied with, |
| iv | Action plan for implementing EMP and environmental conditions along with responsibility matrix of the Company shall be prepared and shall be duly approved by competent authority. The year wise fund earmarked for environmental protection measures shall be kept in separate account and not to be delivered for any other purpose. Year wise progress implementation of action plan shall be reported to the Ministry / Regional Office along with the Six Monthly Compliance report. |
| Status | Noted , will comply commencement of project |
| v | Self environmental audit shall be conducted annually. |
| Status | Noted , however Presently external audit is carried out for ISO EMS 14001 certification |
| vi | All the recommendations made in the Charter on Corporate responsibility for Environment Protection (CREP) for the Cement plant shall be implemented. |
| Status | Complied with |
| | X. Miscellaneous |
| i | The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it in at least two local newspaper's of the District of state, of which one shall be in the vernacular language within seven days and in addition shall also be displayed in the project proponents website permanently. |
| Status | Complied with (The same was submitted with Last Six monthly Report) |
| ii | The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt. |
| Status | Complied with . (The same was submitted with Last Six monthly Report) |
| iii | The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis. |
| Status | Noted , will be comply |
| iv | The project proponent shall monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NO _x |

| | |
|--------|---|
| | (ambient level as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for discloser to the public and put on the website of Company. |
| Status | Complied with, presently we have uploaded the monitoring reports in www.nuvoco.in |
| v | The project proponent shall submit six-monthly reports on the status of the Compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate change at environment clearance portal. |
| | Noted ,Will be complied |
| vi | The project proponent shall submit the statements for each financial year in Form-V to concerned State Pollution Control Board as prescribed under the environment (Protection) Rules, 1986 as amended subsequently and put on the website of the company. |
| Status | Complied with, for FY 20 report submitted 21.9.2020 vide ltr no, Nuvoco-SCP/ Env/95/ 2020 recd copy enclosed as Annexure V |
| vii | The Project proponent shall inform the regional Office of this Ministry as well as the Ministry, the date of financial closer and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project. |
| Status | Noted, will inform. |
| viii | The project authorities must strictly adhere to the stipulation made by the State Pollution Control Board and the state Government. |
| Status | Will be comply |
| ix | The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal committee. |
| Status | Will be comply |
| x | No further expansions or Modifications in the plant shall be carried out prior approval of the Ministry of Environment / Forests / Climate change(MoEF&CC). |
| Status | Noted |
| | Concealing Factual data factual data or submission of false/fabricate data may result in revocation of his environmental clearance and attract action under the provisions of Environmental (Protection) Rule, 1986. |
| Status | Noted |
| xii | The Ministry may revoke or suspend the clearance if implementation of any of the above condition is not satisfactory. |
| Status | Noted |
| xiii | The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions. |
| | Noted |
| xiv | The Regional office of this ministry Shall monitor Compliance of the stipulated conditions. The project authority should extend full co-operation to the officer (S) of the Regional office by furnishing the requisite data/ information / Monitoring reports. |
| Status | Noted |
| xv | The above conditions shall be enforced, inter alia under the provisions of Water (Prevention & Control of Pollution) Act, 1974 the air (Prevention Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, hazardous and other wastes (Management and Transboundary Movement) Rules, 2016, and the public liability Insurance Act, 1991 along with their amendments and rules and any other orders passed by the Hon'ble Supreme Court of India / High courts and any other court of law relating to the subject matter. |
| Status | Noted . |
| xvi | Any appeals against this EC shall lie with the National Green Tribunal if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010. |
| Status | Noted . |

Annexure I

Scheme Fundamentals - 2017 Budgetary Control Sheet

Unit - 000 0000 - Department of Fisheries

| S.N. | Proposed Work | Village/ward | Est. 2017 | Est. 2016 | Est. 2015 | Cost Analysis - 2017 | Amount | 2017 Cost/Benefit | 2016 Cost/Benefit |
|----------------------------------|---|--|-----------|-----------|-----------|--------------------------------|--------|--|-------------------|
| Office Staff | | | | | | | | | |
| 1 | Office staff for work and transport | Banash, Bhabha, Bhabha, Bhabha | 60.00 | 50.00 | 50.00 | Banash, Bhabha, Bhabha, Bhabha | 36.72 | | |
| 2 | Construction and repairing of work building | Banash, Bhabha, Bhabha, Bhabha | 10.00 | 10.00 | 10.00 | | | 10.00 | 10.00 |
| 3 | Construction of Community Hall | Banash, Bhabha, Bhabha, Bhabha | 1.00 | 1.00 | 1.00 | | | | 1.00 |
| 4 | Construction of Water Treatment Plant | Banash | 1.00 | 1.00 | 1.00 | | | | |
| 5 | Water supply | Banash | 25.00 | 15.00 | 15.00 | | | | 25.00 |
| 6 | Construction of Fish Pond | Bhabha, Bhabha | 10.00 | 10.00 | 10.00 | | | | |
| 7 | Construction of Fish Pond | Bhabha | 1.00 | 1.00 | 1.00 | | | | 1.00 |
| 8 | Construction of Fish Pond | Banash | | 10.00 | 1.00 | | | | |
| 9 | Construction of Fish Pond | Banash, Bhabha, Bhabha | 10.00 | 10.00 | 10.00 | Banash, Bhabha | 10.00 | | |
| | Construction of Fish Pond | Banash, Bhabha, Bhabha | 10.00 | 10.00 | 10.00 | | | | |
| | Construction of Fish Pond | Banash | 10.00 | 10.00 | 10.00 | | | | |
| | | | 10.00 | 10.00 | 10.00 | | 10.00 | | |
| Construction of Buildings | | | | | | | | | |
| 1 | Construction of Fish Pond | | | 10 | 10 | Banash, Bhabha | | 10 | |
| 2 | Construction of Fish Pond | Bhabha, Bhabha | 10 | 10 | 10 | Banash, Bhabha and Bhabha | 10 | Construction of Fish Pond | 10 |
| | | | 10 | 10 | 10 | | 10 | | 10 |
| Construction of Buildings | | | | | | | | | |
| 1 | Construction of Fish Pond | Bhabha, Bhabha | 10 | 10 | 10 | | | | |
| Construction of Buildings | | | | | | | | | |
| 1 | Construction of Fish Pond | Banash, Bhabha, Bhabha, Bhabha, Bhabha | 10 | 10 | 10 | | | Banash, Bhabha, Bhabha, Bhabha, Bhabha | 10 |
| 2 | Construction of Fish Pond | Banash, Bhabha, Bhabha, Bhabha, Bhabha | 10 | 10 | 10 | | | Banash, Bhabha, Bhabha, Bhabha, Bhabha | 10 |
| 3 | Construction of Fish Pond | | | 10 | | | | | |
| 4 | Construction of Fish Pond | | | 10 | | | | Banash, Bhabha, Bhabha, Bhabha, Bhabha | 10 |
| | | | 10 | 10 | 10 | | | | 10 |
| Construction of Buildings | | | | | | | | | |
| 1 | Construction of Fish Pond | Bhabha, Bhabha, Bhabha, Bhabha | 10 | 10 | 10 | | | | 10 |
| | | | 10 | 10 | 10 | Banash, Bhabha | 10 | Total amount | 10 |
| | | | 10 | 10 | 10 | | | | 10 |



CERTIFICATE

On the basis of books of accounts maintained by the Company and as per information and explanations give to us, we certify that the capital expenditure made by Nuvoco Vista's Corp Ltd, Sonadih Cement Plant, Village & Post Rasoda, District: Baloda Bazar-Bhatapara - 493332 (Chhattisgarh), towards the compliance of Corporate Environmental Responsibility (CER) for social welfare program was Rs. 1.51 Crores (Rupees One Crore & Fifty One Lakh Only) during the year ended 31st March 2018 & 2017-18.

Chartered Accountant
For Nuvoco Vista's Corp Ltd

Chartered Accountant

For Agrowal Gupta and Associates

कार्यालय प्रधान मुख्य वन संरक्षक (वन्यप्राणी प्रबंधन एवं जैव विविधता
संरक्षण सह मुख्य वन्यप्राणी अभिरक्षक), छत्तीसगढ़

बैक 28-19, नार्थ ब्लॉक, जंगल भवन, प्रधान डल (एफ.आर.) अटल नगर, रायपुर

✉ cwlvwcg@gmail.com

(☎0771-2512800, ☎ 0771-2512801)

क्रमांक./म.प्रा./प्रबंध-449/2019/3623

अटल नगर, रायपुर, दिनांक: 26/06/2019

प्रति,

अपर प्रधान मुख्य वन संरक्षक

(मू-प्रबंध)

अटल नगर, रायपुर (छत्तीसगढ़)

विषय :- बलौदाबाजार वनमण्डल अंतर्गत मेसर्स नुबोको विस्था कार्पोरेशन लिमिटेड द्वारा राम-
सोनादीह में सीमेंट प्लांट का विस्तार वृद्धि हेतु स्वीकृति बाबत।

संदर्भ :- मुख्य वन संरक्षक (वन्यप्राणी) छत्तीस-सीतानदी टापुनगर रिजर्व, रायपुर का पत्र क्रमांक/से.
सं.रा./व.त.ख./1563, दिनांक 07/06/2016.

—000—

विषयवस्तु संदर्भित पत्र के संक्षेप में लेख है कि आवेदनकर्ता संस्थान मेसर्स नुबोको विस्था कार्पोरेशन लिमिटेड द्वारा राम सोनादीह बलौदाबाजार वनमण्डल के अंतर्गत सीमेंट प्लांट के विस्तार करने हेतु भारत सरकार पर्यावरण वन एवं जलवायु परिकल्पना मंत्रालय, नई दिल्ली का पत्र क्रमांक F.No. IA-J-1105/184/2016-IA-II (M) Dated 16.12.2016 में निर्धारित TOR के गालन में वन्यप्राणी संरक्षण योजना तैयार किया जा कर मुख्य वन संरक्षक (वन्यप्राणी) छत्तीस-सीतानदी टापुनगर रिजर्व, रायपुर के माध्यम से इस कार्यालय को प्रेषित किया गया है।

आवेदक संस्थान मेसर्स नुबोको विस्था रायपुर द्वारा प्रस्तुत परियोजना का परीक्षण किया गया है। बलौदाबाजार वनमण्डल के अंतर्गत सीमेंट प्लांट के विस्तार वृद्धि बाबत वन्यप्राणी संरक्षण योजना राशि रु. 180.00 लाख (एक करोड़ अस्सी लाख रुपये मात्र) आगामी पंच वर्षों की क्रियान्वयन हेतु तैयार की गई है, जिसमें वन्यप्राणियों के लिए आवश्यक खाद्य, अल एंड रहवास सुचारु हेतु आवश्यक प्रावधान के साथ अन्य घटकों में भी प्रावधान किये गये हैं। परंतु आवश्यक व्यय से संबंधित वर्षवार विवरण परिशिष्ट 01 में संलग्न है।

वन्यप्राणी संरक्षण योजना की कुल लागत रुपये 180.00 लाख वर्तमान चरों के अन्तर्गत पर है। परियोजना में यदि वित्तिय होता है तो समय अवधि के अन्तर्गत पर लागत में वृद्धि हो सकती है। परियोजना के क्रियान्वयन के समय जो लागत आयेगी वह प्रस्तावकों को वन विभाग में एकमुश्त जमा करानी होगी जिससे मुख्य वृद्धि के प्रभाव को समान्त किया जा सके। वन विभाग इस प्रकार जमा की गई राशि को वन्यप्राणी संरक्षण योजना परिशिष्ट 01 में दर्शाने समय-समय पर के अनुसार क्रियान्वित करेगा।

lu/

अनुसूचित वन्यप्राणी संरक्षण योजना की एक प्रति संलग्न प्रेषित है। कृपया वन्यप्राणी संरक्षण योजना में प्राथमिकता राशि रु. 100.00 लाख एकमुश्त जमा करने हेतु परियोजना प्रस्तावकों को आदेशित करने का कष्ट करें।

संलग्न - उपरोक्तानुसार।
(प्रस्ताव की 01 प्रति)

(श्री राफेज खुर्सेदी)

प्रधान मुख्य वन संरक्षक (व.प्रा.) एवं मुख्य वन्यप्राणी
अभिरक्षक, छत्तीसगढ़, अटल नगर, रायपुर
अटल नगर, रायपुर, दिनांक 26/06/2019

पं.क्रमांक/व.प्रा./प्रबंध-449/2019/3624
प्रतिलिपि :-

1. मुख्य वन संरक्षक (वन्यप्राणी) एवं क्षेत्र संचालक उदती-सीतानदी टायलर विजय, रायपुर।
2. मुख्य वन संरक्षक (क्षेत्रीय) रायपुर कृष्ण, रायपुर।
3. वनमण्डलाधिकारी शशीदासजगर वनमण्डल बलीदासजगर।
4. मेसर्स नूवोको प्रिन्सिपल कॉर्पोरेशन लिमिटेड रायपुर (E-Mail: arif.ahmed@nuvoco.in)

प्रधान मुख्य वन संरक्षक (व.प्रा.) एवं मुख्य वन्यप्राणी
अभिरक्षक, छत्तीसगढ़, अटल नगर, रायपुर

Annexure III

Sonadih Cement Plant : Nuvoco Vistas Corporation Limited

| Month | Near I/s Crusher | | | | | Near Time office | | | | |
|----------|--------------------|--------|------|------|--------|------------------|--------|------|------|-------|
| | PM10 | PM 2.5 | SO2 | NOx | CO | PM 10 | PM 2.5 | SO2 | NOx | CO |
| April'20 | 33.7 | 15.0 | 12.1 | 9.5 | 210.0 | 42.8 | 21.2 | 10.3 | 7.3 | <10 |
| May'20 | 50.0 | 24.2 | 12.8 | 10.6 | 177.1 | 43.7 | 34.5 | 10.7 | 7.8 | <10 |
| June'20 | 44.6 | 20.9 | 13.8 | 11.3 | 190.7 | 34.3 | 30.2 | 11.5 | 7.8 | <10 |
| July'20 | 38.7 | 20.4 | 13.7 | 11.4 | 208.7 | 25.2 | 19.5 | 11.2 | 7.6 | <10 |
| Aug'20 | 32.5 | 16.2 | 12.7 | 10.7 | 196.5 | 16.4 | 14.3 | 12.4 | 7.8 | <10 |
| Sept'20 | 37.3 | 18.4 | 13.0 | 11.0 | 191 | 28.6 | 22.6 | 12.8 | 7.7 | <10 |
| Month | Near Material Gate | | | | | Near Scrap Yard | | | | |
| | PM 10 | PM 2.5 | SO2 | NOx | CO | PM 10 | PM 2.5 | SO2 | NOx | CO |
| April'20 | 49.6 | 19.8 | 19.6 | 12.9 | 484.3 | 36.4 | 16.9 | 12.6 | 10.5 | 325.0 |
| May'20 | 60.8 | 28.3 | 13.3 | 11.1 | 980.6 | 44.4 | 22.8 | 15.6 | 10.7 | 451.3 |
| June'20 | 51.5 | 23.4 | 15.2 | 12.1 | 1023.0 | 41.9 | 21.2 | 22.8 | 12.5 | 350.5 |
| July'20 | 43.4 | 21.9 | 14.6 | 11.6 | 1014.5 | 28.6 | 14.1 | 19.0 | 13.3 | 212.7 |
| Aug'20 | 38.0 | 17.9 | 13.7 | 11.3 | 997.7 | 29.9 | 13.6 | 22.0 | 15.3 | 170.6 |
| Sept'20 | 42.4 | 21.1 | 14.3 | 11.8 | 1006.0 | 41.7 | 18.3 | 20.5 | 12.2 | 130.3 |

Data for Ambient Air Quality- Monthly Average April'2020 –Sept 2020
(values in microgram per cubic meter)

Ambient noise level is observed within prescribed limit i.e. <75dB(A) during Day Time & <70 dB(A) during Night hours

4 Nos On line Ambient Air Quality Monitoring station has installed

ANNEXURE-III

Sonadih Cement Plant : Nuvoco Vistas Corporation Limited
 Stack Emission Results for Period October 2019- March 2020
 (Particulate Matter in Mg/NM³)
 Prescribed standard – Max.-30 Mg/NM³

| Month | Stack emission | | | | | | | | Remarks |
|----------|----------------|--------|--------------|--------|-----------------|--------|-------------------|--------------------------|----------|
| | Kiln/RM stack | | Cooler stack | | Coal Mill Stack | | Cement Mill Stack | Lime stone Crusher Stack | |
| | Line 1 | Line 2 | Line 1 | Line 2 | Line 1 | Line 2 | | | |
| April'20 | - | - | - | - | - | - | 24 | - | Lockdown |
| May 20 | - | 21 | - | 22 | - | 23 | 26 | 22 | |
| June 20 | 22 | 23 | 21 | 24 | 22 | 25 | 23 | 20 | |
| July 20 | 24 | 22 | 23 | 21 | 26 | 28 | 24 | 21 | |
| Aug'20 | 21 | 19 | 26 | 23 | 28 | 27 | 25 | 23 | |
| Sept'20 | 25 | 21 | 22 | 21 | 29 | 24 | 23 | 20 | |

SD – Plant Shut down for Lockdown (Covid 10)

Pollution control Equipment (PCE) attached with Stack:

NO_x – less than 800 Mg/Nm³ & SO_x Less than 100 Mg/NM³ maintained

| Equipment | PCE |
|-----------------|-----------------|
| Kiln/Raw Mill 1 | - Hybrid filter |
| Kiln/Raw Mill 2 | - Bag house |
| Cooler 1 | - ESP |
| Cooler 2 | - Bag house |
| Coal Mill 1 | - Bag filter |
| Coal Mill 2 | - Bag filter |
| Cement mill | - Bag filter |

Note - Above data is of manual monitoring ,CEMS results <30 Mg/NM³ all the time

**SONADIH CEMENT PLANT
NUVOCO VISTAS CORPORATION LIMITED
AFFORESTATION DETAILS**

| Period | Plantation in No's | | | Area planted (Hect) | | Survival % |
|---------|--------------------|-------|--------|---------------------|-------|------------|
| | W M.L | O.M.L | Total | W M.L | O.M.L | |
| 1989-90 | 1200 | 2300 | 3500 | 9.6 | 10.4 | 80 |
| 1990-91 | 8000 | 12000 | 20000 | | | |
| 1991-92 | 48500 | 51500 | 100000 | | | |
| 1992-93 | 43800 | 47700 | 91500 | | | |
| 1993-94 | 15000 | 45000 | 60000 | | | |
| 1994-95 | 30000 | 30000 | 60000 | 3.5 | 3.5 | 90 |
| 1995-96 | 15000 | 3000 | 18000 | 5 | 1 | 82 |
| 1996-97 | 17000 | 3000 | 20000 | 8 | 2 | 80 |
| 1997-98 | 9000 | 10000 | 19000 | 3 | 5 | 82 |
| 1998-99 | 4000 | 1000 | 5000 | 1 | 5 | 80 |
| 1999-00 | 4000 | 1126 | 5126 | 4 | 1 | 81 |
| 2000-01 | 9500 | 500 | 10000 | 2 | 2.25 | 80 |
| 2001-02 | 7475 | 2830 | 10305 | 3 | 1.75 | 78 |
| 2002-03 | 7600 | 3400 | 11000 | 3 | 2 | 78 |
| 2003-04 | 7600 | 2400 | 10000 | 6 | 2 | 80 |
| 2004-05 | 10100 | 1500 | 11600 | 4 | 2 | 80 |
| 2005-06 | 12350 | 2800 | 15150 | 5 | 2 | 88 |
| 2006-07 | 12200 | 3000 | 15200 | 5 | 2 | 88 |
| 2007-08 | 13200 | 1800 | 15000 | 4 | 2 | 78 |
| 2008-09 | 12550 | 3000 | 15550 | 5 | 2 | 80 |
| 2009-10 | 12500 | 3000 | 15500 | 5 | 2 | 80 |
| 2010-11 | 12500 | 3000 | 15000 | 0 | 2 | 70 |
| 2011-12 | 12500 | 3000 | 15000 | 6 | - | 70 |
| 2012-13 | 12000 | 3000 | 15000 | - | - | 80 |
| 2013-14 | 12000 | 3000 | 15000 | - | - | 70 |
| 2014-15 | 5000 | 15000 | 20000 | 2 | 6 | 70 |
| 2015-16 | 5100 | 10000 | 15100 | 0 | 0 | 75 |
| 2016-17 | 3600 | 4400 | 8000 | 0 | 1.5 | 80 |
| 2017-18 | 3100 | 8900 | 12000* | 1.0 | - | 80 |
| 2018-19 | 3000 | 2000 | 5000 | 1.5 | - | 75 |
| 2019-20 | 3000 | 2000 | 5000 | 1.5 | - | 80 |
| 2020-21 | 3000 | 1000 | 4000 | 1.5 | - | - |

WML – Within Mining Lease area; **OML** - Outside Mining Lease area

Species planted : Neem, Saobabool, Eucalyptus, Guava, CassiaSimea,
Accasia Sp.,Jamun,Sirus,Piltoform,Bamboo

NUVOCO

NUVOCO-SCP/ENV/95/2020
September 09 2020



✓ **The Member Secretary,**
Chhattisgarh Environmental Conservation Board,
Atal Nagar, Raipur

Sub: Submission of Environmental Statement (**Form V**) for 'Sonadih Cement Plant' & Sonadih Limestone Mines of M/s Nuvoco Vistas Corporation Limited for Financial ending dated 31st March 2020 (FY 2019-2020)

Dear Sir,

As per Provision of Environment (Protection) Rules, 1986 as amended 1993, we are submitting herewith Environmental Statement for the financial year ending the 31st March 2020 (FY 2019-2020) in duly filled **Form-V**, for **Sonadih Cement Plant** and **Sonadih Limestone Mines**, located at P.O. Raseda, Tehsil-Balodabazar, Distt. Balodabazar Bhatapara, Chhattisgarh 493332.

Kindly acknowledge receipt of the same.

Thanking You,

For Nuvoco Vistas Corporation Limited


Vinay Kale
Dy General Manager (Environment)

Encl: as above

CC: The Regional Officer, Chhattisgarh Environmental Conservation Board, Raipur.

Nuvoco Vistas Corp.Ltd.

Sonadih Cement Plant: Dist. Baloda Bazar, Bhatapara, Chhattisgarh - 493 332, India Phone : +91(0) 772/ 272224/225/226
Corporate & Registered Office : Equinox Business Park, Tower 3, East Wing, 4th Floor, Off Bandra - Kurla Complex, LB5 Mang Kurla (West), Mumbai - 400 070, Maharashtra
Tel : (91-22) 66306511/6769 2500. Fax : (91-22) 66306510.