



सत्यमेव जयते

File No: J-11011-141-2004-IA-II(I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
IA Division  
\*\*\*



Date 19/10/2024



To,  
M/s. Hindalco Industries Ltd.  
Kansariguda, Kashipur Tehsil , Ahura Centre First Floor B Wing Andheri East, MUMBAI,  
MAHARASHTRA, , 400093  
Email: rama.rout@adityabirla.com

**Subject:** Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding.

**Sir/Madam,**

This is in reference to your application submitted to MoEF&CC vide proposal number IA/OR/IND1/493253/2024 dated 19/08/2024 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24A1005OR5293964N
(ii) File No.	J-11011-141-2004-IA-II(I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	3(a) Metallurgical Industries (ferrous and non ferrous),1(d) Thermal Power Plants,8(a) Building / Construction
(vi) Sector	Industrial Projects - 1 Proposed Alumina Refinery of 3.0 MTPA along with co-generation power plant of 150MW by M/s. Hindalco Industries Limited - Aditya Alumina Refinery Project at Kansarigurha village, Kashipur Tehsil, Rayagada District, Odisha.
(vii) Name of Project	
(viii) Name of Company/Organization	Hindalco Industries Ltd.
(ix) Location of Project (District, State)	RAYAGADA, ODISHA
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

- 3. The proposed project activity is listed at schedule no. 3(a) Metallurgical Industries (ferrous & non-ferrous) under Category “A” of the schedule of the EIA Notification, 2006 and appraised at Central Level.
- 4. The instant proposal was considered in the 66th EAC Meeting held during 23rd -25th September, 2024 wherein after detailed deliberations, the committee recommended the proposal for grant of Environment Clearance under the provisions of EIA Notification, 2006 subject to the stipulation of specific conditions and general conditions. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>.
- 5. The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are at **Annexure-II**.
- 6. The Unit configuration and capacity of the proposed project is at **Annexure-III**.

#### **Deliberations by EAC**

7. The EAC, in its 66th EAC Meeting held during 23rd -25th September, 2024, inter-alia, deliberated the following:
- i. The instant proposal is for setting up of Alumina Refinery of 3.0 MTPA along with co-generation power plant of 150 MW.
  - ii. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
  - iii. The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
  - iv. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
  - v. The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
  - vi. Total project land is 859.84 ha (Private & Govt. land 821.768 ha, Forest land: 38.062 ha). PP has reported that following status of land acquisition:
    - 753.26 ha Land acquired and possession letter received by IDCO vide letter no. HO/P&A-LA-E-3390/13-24/22550 dated 31.07.2024 for area of 753.26 ha (1861.310 Ac).
    - 10.83 ha (26.76 Ac) land alienation process has been initiated by Govt. of Odisha and will be handed over soon.
    - Stage-I Forest Clearance has been acquired for 38.06 ha. Stage – II FC obtained vide letter 5-ORC568/2023-BHU, dated 28.08.2024.
    - As per the MoM points nos. 1, 2, & 3, dated 9th July 2024 chaired by Principal Secretary, Industries Department, Govt. of Odisha, the Balance land of 50.03 ha (123.64 Ac) out of 57.69 ha will be handed over. Alienation for remaining 7.65 ha (18.91 Ac) is in process.

The EAC deliberated in detail of the status of land acquisition and is of the opinion that PP shall complete the acquisition of total land involved in the instant proposal and conversion for industrial purpose prior to commencement of project.

vii. The PP has reported that in 2006-07, an initial R&R study was conducted and submitted for approval under the Odisha R&R Policy 2006. The 1st RPDAC meeting on 14th November 2007 conditionally recommended the R&R plan for 141 DPs and the construction of a resettlement colony. However, no R&R activities proceeded due to financial and statutory challenges and project changes. In the 4th RPDAC meeting on 18th July 2024, key approvals were made: the DP list of 278 families from Kansariguda and Puhundi villages, the layout and design of the R&R colony, and the R&R package aligned with the Odisha R&R Policy 2006 and LA R&R Act 2013. A survey of displaced families in Biriguda was completed and awaits district administration approval, with the R&R package also agreed and approved in the meeting. The EAC opined that prior to the commencement of any project-related activities, the proponent shall ensure the completion and implementation of the approved Resettlement & Rehabilitation (R&R) plan, including the resettlement of 278 displaced families from Kansariguda and Puhundi villages, as per the R&R package approved in the 4th RPDAC meeting held on 18th July 2024, and in compliance with the Odisha R&R Policy 2006 and the LA R&R Act 2013.

viii. There are several sensitive areas reported within the study area of the project site. The EAC opined that proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.

ix. The EAC noted that there is a school which is reported to be demolished by the project proponent. Furthermore, the students of the school may be supported with their admission and education in a nearby school. The PP submitted that the school in the displaced village has already shifted its students to other schools for better education. The project will not disrupt education. Hindalco Industries is supporting this through transportation, remedial classes, and other amenities.

x. As reported, Pathagarha Nala is adjacent in north of project site along with other water bodies within the study area of the project site. The EAC opined that a robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.

xi. The water requirement for the proposed project is estimated as 20,000 m<sup>3</sup>/day, which will be obtained from the Pathagarha river. The EAC deliberated on the water requirement is of the opinion that PP shall obtain necessary permission from the Competent Authority in this regard.

xii. The EAC also opined that PP shall additionally carry out an internal study to explore the possibility to supply water to the nearby villages. HIL reported that both Govt of Odisha and Govt of India have initiated the drinking water facility to villages through the scheme like DRINK FROM TAP MISSION & HAR GHAR JAL. Also HIL is expanding the study for possibility of water supply to the other villages nearby Pathagarha river.

xiii. The Committee has deliberated on the baseline data and incremental GLC due to the proposed project and found it satisfactory.

xiv. The EAC opined that PM emissions from the calciners during normal course of operation shall be limited to 30 mg/Nm<sup>3</sup>

xv. It is reported that 11 nos. Schedule I species were identified/reported in the study area as per WPA Amendment 2022. Site Specific Wildlife Conservation Plan has been prepared and approved from the office of The Principal Chief Conservator of Forests (Wildlife) & Chief Wildlife Warden Odisha vide letter no. 10726/CWLW-FDWC-FD-0048-2022 dated 25.11.2022 incorporating 4 of the above Schedule I species as per WPA 1972. An application has been submitted to DFO and PCCF Wildlife for revision along with revised Wildlife Schedule as per WPA Amendment



2022. The EAC opined that Site Specific Wildlife Conservation Plan shall be revised as per WPA Amendment 2022 and PP shall strictly implement the recommendations made in the approved plan in consultation with the State Forest Department.

xvi. The Committee also deliberated on the public hearing issues along with action plan submitted by the proponent to address the issues raised during the public hearing and found it satisfactory.

xvii. The PP has submitted that greenbelt will be developed in 283.75 ha which is about 33 % of the total project area. Total no. of 8,34,531 saplings will be planted and nurtured in 283.75 hectares in 3 years. The EAC deliberated on the greenbelt layout plan along with action plan and the budget earmarked and is of the opinion that greenbelt shall be developed as committed.

xviii. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.

xix. The EAC deliberated on the red mud management plan presented with the EIA/EMP Report. The PP ensured that Handling and Management of Red Mud will be in accordance with the CPCB guidelines published in May 2023. The action plan is submitted. The EAC opined that based on the comprehensive study on the environmental impacts of red mud generated from the Alumina Refinery, including an assessment of current handling, storage, and disposal methods, and potential risks to soil, water, and air quality, a detailed Red Mud Management Plan must be prepared and implemented, addressing strategies for neutralizing alkalinity, minimizing environmental impacts, secure storage, recycling/reuse options, and remediation measures. The plan should include a monitoring program to assess its effectiveness. A similar approach shall be applied to the Ash Pond management.

xx. The committee deliberated on the reply of the project proponent to the queries raised during the appraisal of earlier application and found them satisfactory.

xxi. The EAC also deliberated on the written submission of project proponent and found it satisfactory,

xxii. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.

xxiii. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

xxiv. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

8. The EAC (Industry-I Sector), in its 66th EAC Meeting held during 23rd -25th September, 2024, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the proposal for grant of Environment Clearance subject to stipulation of specific and general EC conditions as detailed in the point below.

#### **Decision by MoEFCC**

9. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) hereby decided to grant **Environment Clearance for instant proposal of M/s. Hindalco Industries Limited** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions (**Annexure-I**)

10. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

11. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

12. Any appeal against this environmental clearance 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.

13. The above conditions shall be enforced, inter-alia under the provisions of the 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.

14. This issues with approval of the competent authority.

(Dinesh Runiwal)  
Scientist 'F'/Director  
Tel: 011-20819346  
Email-d.runiwal@gov.in

#### **Copy To**

1. The Principal Secretary, Department of Forest and Environment, Government of Odisha, Bhubaneswar, Odisha
2. Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi
3. Principal Chief Conservator of Forests & HoFF, Aranya Bhawan, Chandrasekharapur, Bhubaneswar - 751 023, Odisha
4. The Regional Officer, Ministry of Environment, Forest And Climate Change, Integrated Regional Office, A/3, Chandrasekharapur, Bhubaneswar – 751023 ODISHA
5. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 32
6. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
7. The Member Secretary, Odisha State Pollution Control Board, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit - VIII, Bhubaneswar -12 Odisha.
8. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
9. District Collector, Rayagada, Odisha.
10. Guard File/Monitoring File/ Parivesh Portal /Record File.

(Dinesh Runiwal)

## Annexure 1

## Specific EC Conditions for (Metallurgical Industries (Ferrous And Non Ferrous))

## 1. Specific

S. No	EC Conditions
1.1	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
1.2	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
1.3	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
1.4	PP shall complete the acquisition of total land involved in the instant proposal and conversion for industrial purpose prior to commencement of project.
1.5	Prior to the commencement of any project-related activities, the proponent shall ensure the completion and implementation of the approved Resettlement & Rehabilitation (R&R) plan, including the resettlement of 278 displaced families from Kansariguda and Puhundi villages, as per the R&R package approved in the 4th RPDAC meeting held on 18th July 2024, and in compliance with the Odisha R&R Policy 2006 and the LA R&R Act 2013. PP shall make efforts to ensure that all displaced people resides in R&R colony. The displaced people shall be given direct / indirect employment opportunities based on their ability / willingness, else proper compensation shall be provided. The colony developed shall be ecologically and culturally tuned to the local environment and ecological practices.
1.6	There are several sensitive areas reported within the study area of the project site. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.
1.7	As reported, Pathagarha Nala is adjacent in north of project site along with other water bodies within the study area of the project site. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
1.8	Total water requirement of 20,000 m <sup>3</sup> /day, which will be obtained from the Pathagarha river. PP shall obtain necessary permission from the Competent Authority in this regard.
1.9	Three tier Green Belt shall be developed in atleast 33% of the project area as committed, of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt

S. No	EC Conditions
	developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall also develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy along with windshield inside the plant premises to act as green barrier for air pollution & noise levels towards sensitive areas nearby project site. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
1.10	PP shall undertake tree felling/ cutting, if required, after due permission and in consultation with the State Forest Department
1.11	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked 33% greenbelt area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at <a href="https://merilife.nic.in">https://merilife.nic.in</a>
1.12	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 amounting to Rs. 170.912 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
1.13	The project proponent shall undertake village adoption programme and prepare and implement the action plan to develop them into a model village.
1.14	The project proponent shall ensure that the demolition of the school in the displaced village does not disrupt students' education. All affected students must be provided support for admission to nearby schools, and the proponent shall continue to offer necessary assistance, including transportation, remedial classes, and other educational amenities, to facilitate their transition. A compliance report on these measures must be submitted to IRO, MoEF&CC.
1.15	PP shall assess the potential for expanding water supply from the Pathagarha River to other nearby villages. Any feasible measures shall be implemented to ensure access to clean drinking water for the affected communities.
1.16	PM emissions from the calciners during normal course of operation shall be limited to 30 mg/Nm <sup>3</sup> .
1.17	Based on the comprehensive study on the environmental impacts of red mud generated from the Alumina Refinery, including an assessment of current handling, storage, and disposal methods, and potential risks to soil, water, and air quality, a detailed Red Mud Management Plan must be prepared and implemented, addressing strategies for neutralizing alkalinity, minimizing environmental impacts, secure storage, recycling/reuse options, and remediation measures. The plan should include a monitoring program to assess its effectiveness. A similar approach shall be applied to the Ash Pond management.
1.18	As committed, once the proposed plant in Gujarat is commissioned, PP shall send the E-waste generated in the instant plant to the Gujarat plan for proper disposal.
1.19	The recommendations of the approved Site-Specific 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 report to the concerned Regional Office of the



S. No	EC Conditions
	MoEF&CC.
1.20	The ground water in the vicinity of the Red Mud pond must be tested periodically (once a year) for alkalis, Ti, Fe, Al, Na, Si and reported to the IRO.

**Standard EC Conditions for (Metallurgical Industries (ferrous and non ferrous))**

**1. Statutory Compliance**

S. No	EC Conditions
1.1	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
1.2	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

**2. Air Quality Monitoring And Preservation**

S. No	EC Conditions
2.1	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 06 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.2	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and 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.
2.3	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.4	Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
2.5	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.



S. No	EC Conditions
2.6	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
2.7	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
2.8	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
2.9	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
2.10	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
2.11	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
2.12	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
2.13	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
2.14	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
2.15	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
2.16	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm <sup>3</sup> and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
2.17	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.

### 3. Air Quality Monitoring And Preservation In Case Of Aluminium Smelter / Aluminium Refinery

S. No	EC Conditions
3.1	Adopt measures to recover fluoride gas from electrolytic cells and recycle the same in the process.

S. No	EC Conditions
3.2	Practice use of low-sulphur tars for baking anodes
3.3	Adopt dry scrubbing combined with incineration in order to control emissions of tar and volatile organic compounds (VOCs). The waste heat shall be recovered from the flue gases of incinerator.
3.4	Make efforts to increase the life of pot lining through better construction and operating techniques.
3.5	Recycle alumina dust collected in ESPs installed in calciner.
3.6	Design the pot roofs with louvers and roof ventilators
3.7	During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
3.8	The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m <sup>3</sup> , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.

#### 4. Water Quality Monitoring And Preservation

S. No	EC Conditions
4.1	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
4.2	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 recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
4.3	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
4.4	Water meters shall be provided at the inlet to all unit processes in the steel plants.
4.5	The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
4.6	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
4.7	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.

S. No	EC Conditions
4.8	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
4.9	Air Cooled condensers shall be used in the captive power plant.

#### 5. Noise Monitoring And Prevention

S. No	EC Conditions
5.1	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
5.2	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

#### 6. Energy Conservation Measures

S. No	EC Conditions
6.1	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
6.2	Provide LED lights in their offices and residential areas.

#### 7. Waste Management

S. No	EC Conditions
7.1	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
7.2	Kitchen waste shall be composted or converted to biogas for further use.
7.3	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
7.4	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at <a href="https://cpcb.nic.in/technical-guidelines-3/">https://cpcb.nic.in/technical-guidelines-3/</a> . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.

S. No	EC Conditions
7.5	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.

#### 8. Waste Management In Case Of Aluminium Smelter/ Aluminium Refinery

S. No	EC Conditions
8.1	A plan for 100 % utilisation of red mud generated shall be implemented. Under the Plan, MOU with shall be signed with potential buyers including cement companies for supply of red mud.
8.2	The red mud generated from the project shall be stored in the red mud pond lined with impervious clay prior to use to prevent leakage, designed as per the CPCB guidelines with proper leachate collection system. Ground water shall be monitored regularly all around the red mud disposal area and report submitted to the Regional Office of the Ministry. Proper care shall be taken to ensure no run off or seepage from the red mud disposal site to natural drainage.

#### 9. Green Belt

S. No	EC Conditions
9.1	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
9.2	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
9.3	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

#### 10. Public Hearing And Human Health Issues

S. No	EC Conditions
10.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
10.2	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
10.3	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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.



S. No	EC Conditions
10.4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

### 11. Environment Management

S. No	EC Conditions
11.1	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
11.2	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the 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 report.
11.3	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
11.4	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

### 12. Miscellaneous

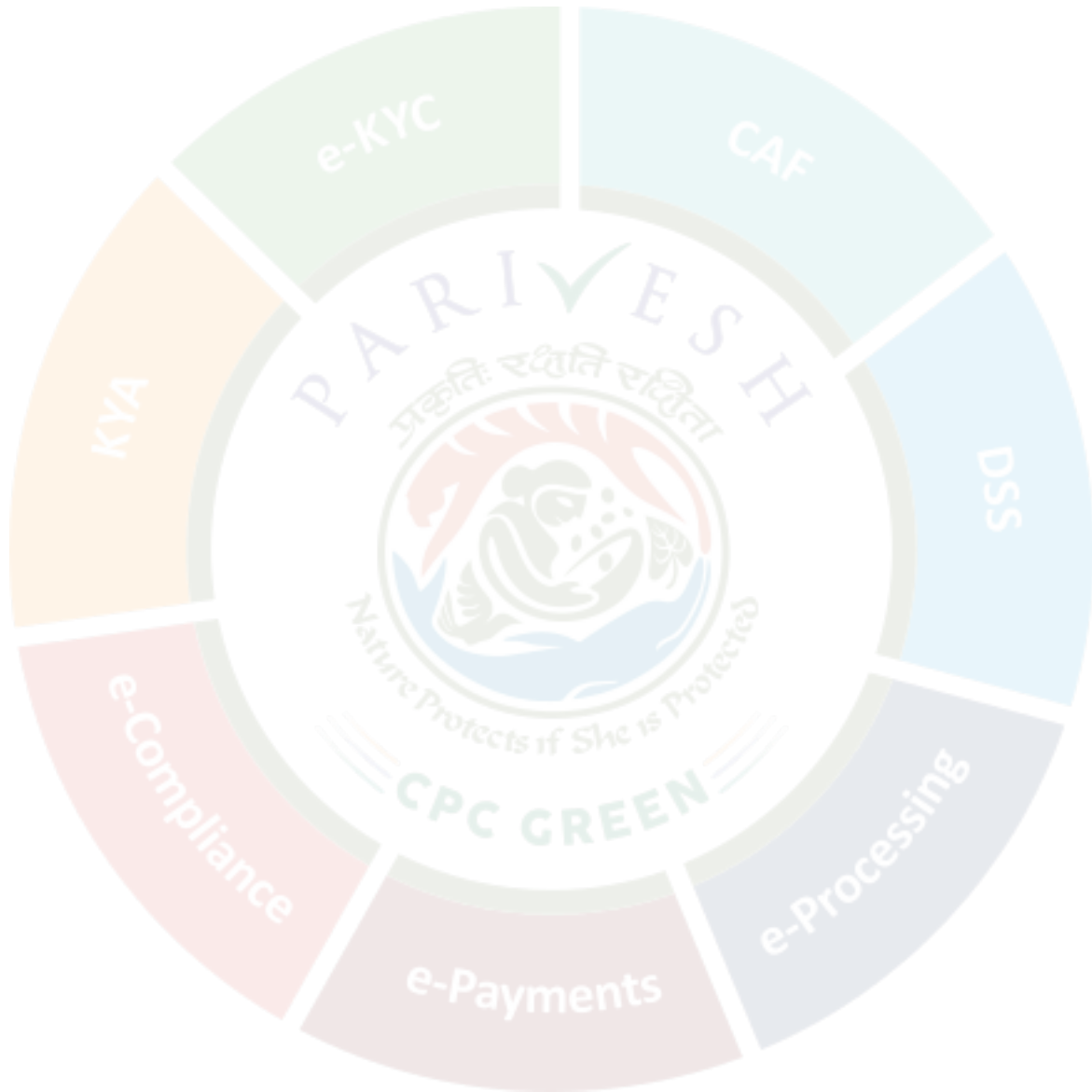
S. No	EC Conditions
12.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
12.2	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.
12.3	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.
12.4	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the

S. No	EC Conditions
	company.
12.5	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
12.6	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.
12.7	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
12.8	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
12.9	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.
12.10	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
12.11	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
12.12	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
12.13	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
12.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12.15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
12.16	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
12.17	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period

S. No	EC Conditions
	of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**Additional EC Conditions**

NA

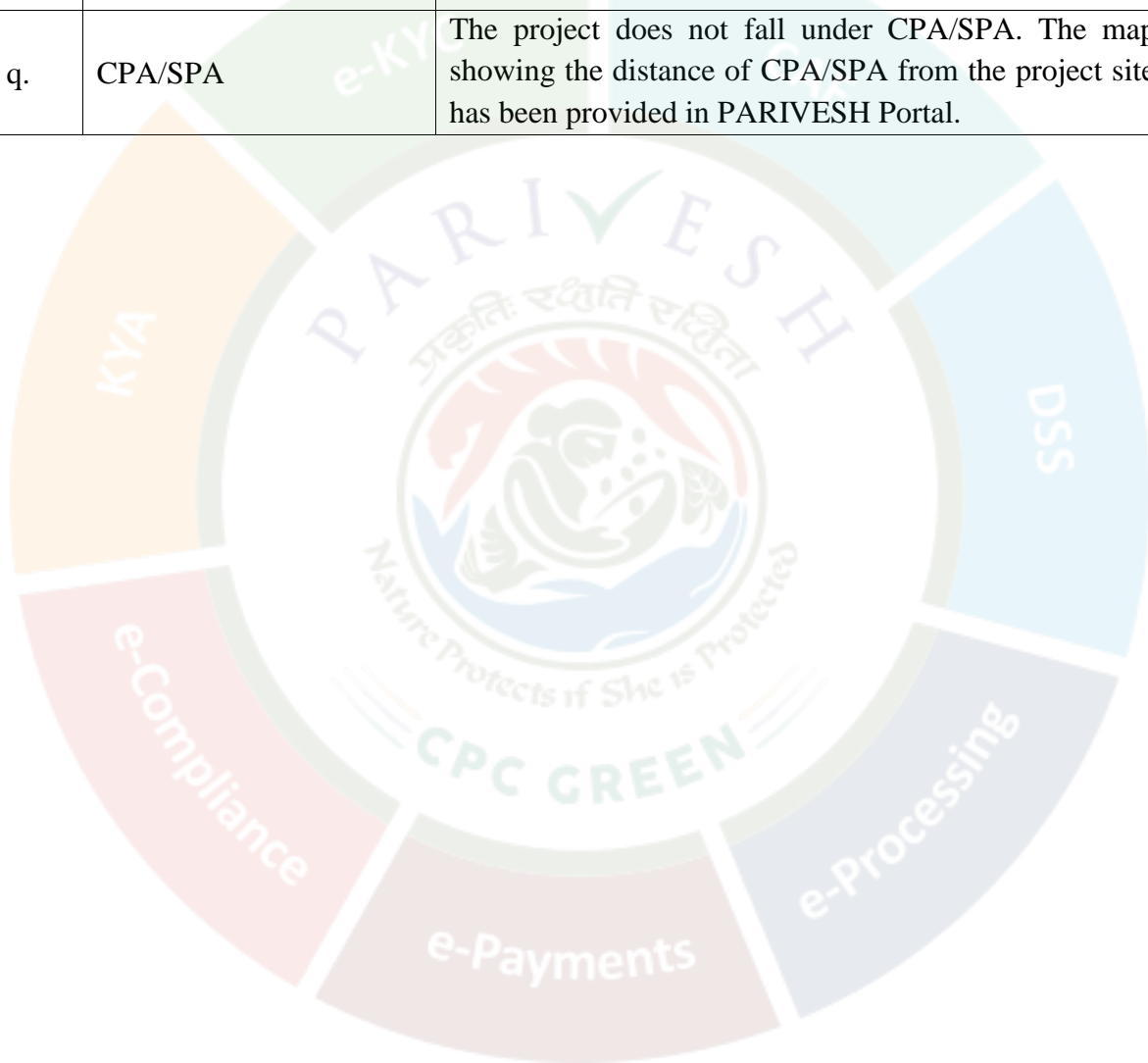


S.No	Particulars	Details
a.	Terms of Reference for undertaking EIA study	14.12.2020 Amendment of Terms of Reference (10.06.2024)
b.	Period of baseline data collection	<b>October to December 2023</b>
c.	Date of Public Consultation	5 <sup>th</sup> October 2021 in Rayagada District & 7th October 2021 in Koraput District
d.	Action plan to address the PH issues	Please refer <b>Annexure-IV</b>
e.	Location of the project	<b>located at Kansarigurha Village, Kashipur Tehsil, Rayagada District, Odisha</b>
f.	Total land	859.84 ha (Private & Govt. land 821.768 ha, Forest land: 38.062 ha)
g.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	<p>Total land requirement for the proposed project is 859.84 ha. Status of acquired land is detailed below:</p> <ul style="list-style-type: none"> <li>• 753.26 ha Land acquired and possession letter received by IDCO vide letter no. HO/P&amp;A-LA-E-3390/13-24/22550 dated 31.07.2024 for area of 753.26 ha (1861.310 Ac).</li> <li>• 10.83 ha (26.76 Ac) land alienation process has been initiated by Govt. of Odisha and will be handed over soon.</li> <li>• Stage-I Forest Clearance has been acquired for 38.06 ha.</li> </ul> <p>As per the MoM points nos. 1, 2, &amp; 3, dated 9th July 2024 chaired by Principal Secretary, Industries Department, Govt. of Odisha, the Balance land of 50.03 ha (123.64 Ac) out of 57.69 ha will be handed over. Alienation for remaining 7.65 ha (18.91 Ac) is in process.</p>
h.	Existence of habitation & involvement of R&R, if any	<p>Initial R&amp;R study was carried out in 2006-07 and submitted to concerned authority for approval as per the Odisha R&amp;R Policy 2006. The proposal was considered in the 1st RPDAC meeting held on 14th November 2007 and the R&amp;R plan for 141 DPs and construction of resettlement colony was in-principle recommended with conditions.</p> <p>No activity related with R&amp;R could be carried out due to various financial, statutory limitations and changes in project.</p> <p><b>Project Site:</b></p> <ul style="list-style-type: none"> <li>• Rayagada <ul style="list-style-type: none"> <li>○ Kansariguda</li> <li>○ Puhundi</li> <li>○ Phuljoba</li> <li>○ Podapadi</li> </ul> </li> </ul>



S.No	Particulars	Details												
		<ul style="list-style-type: none"> <li>• Koraput <ul style="list-style-type: none"> <li>○ Biriguda</li> <li>○ Rajanpanasguda</li> <li>○ Bhalujodi</li> <li>○ Singaramba</li> </ul> </li> </ul>												
i.	Elevation of the project site	858 m above mean sea level												
j.	Involvement of Forest land if any.	Stage – II FC obtained vide letter 5-ORC568/2023-BHU, dated 28.08.2024												
k.	Water body exists within the project site as well as study area	<p><b><u>Project Site:</u></b> None</p> <p><b><u>Study Area:</u></b></p> <table border="1"> <thead> <tr> <th>Waterbody</th> <th>Distance</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>Pathagarha Nala</td> <td>Adjacent</td> <td>N</td> </tr> <tr> <td>Poragar Nadi</td> <td>8.2</td> <td>N</td> </tr> <tr> <td>Baghri Nala</td> <td>9.8</td> <td>W</td> </tr> </tbody> </table>	Waterbody	Distance	Direction	Pathagarha Nala	Adjacent	N	Poragar Nadi	8.2	N	Baghri Nala	9.8	W
Waterbody	Distance	Direction												
Pathagarha Nala	Adjacent	N												
Poragar Nadi	8.2	N												
Baghri Nala	9.8	W												
l.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	<p>There are no National Parks, Wildlife Sanctuaries, Biosphere Reserves within 10 km buffer.</p> <p><b><u>List of PF/RF</u></b></p> <p><b>PF</b></p> <ul style="list-style-type: none"> <li>• Karhinga - 1.0 km (S)</li> <li>• Dangadi - 8.50 km (NE)</li> <li>• Rapukana, 11.6 km (E)</li> <li>• Kumbhikota, 14.2 km (SE)</li> <li>• Baghmari, 3.5 km (SE)</li> <li>• Bariguma, 3.5 km (E)</li> <li>• Masimandi, 4.8 km (NW)</li> <li>• Sargighati, 5.9 km (SE)</li> <li>• Kutil, 7.5 km (E)</li> <li>• Minaharu, 8.2 km (ENE)</li> <li>• Dhamanaganda, 9.4 km (SE)</li> <li>• Kutinga, 9.6 km (SE)</li> <li>• Karajhol, 9.6 km (NE)</li> </ul> <p><b>RF</b></p> <ul style="list-style-type: none"> <li>• Kendripadar, 1.6 km (E)</li> <li>• Titigurha, 2.8 km (NE)</li> <li>• Champi, 11.4 km (SSW)</li> <li>Shankararha, 5.4 km (NE)</li> </ul>												
m.	Project cost	The capital cost of the proposed project is Rs. 11,000 Crores												

S.No	Particulars	Details		
n.	EMP cost	<b>EMP</b>	<b>Capital (Rs. in Crores)</b>	<b>Recurring (Rs. in Crores)</b>
			921Crores	324.34Crores
o.	Employment opportunity	The employment generation from the proposed project is 4750		
p.	Water and Power requirement	Total water requirement will be 20,000 m <sup>3</sup> /day Power – Total power requirement for the proposed project will be around 150 MW		
q.	CPA/SPA	The project does not fall under CPA/SPA. The map showing the distance of CPA/SPA from the project site has been provided in PARIVESH Portal.		



The unit configuration and capacity of proposed project is given as below:

Plant/Equipment/Facility	Configuration	Capacity
Alumina Refinery	3 x 1.0 MTPA (3 x 3,500 TPD)	3.0 MTPA
Thermal Power Plant	5 x 30 MW (5 x 300 TPH Boiler)	150 MW



## Action plan as per MoEF&amp;CC O.M. dated 30/09/2020:

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement					Tentative Budget (Rs. in lacs)	
			1 <sup>st</sup> Year		2 <sup>nd</sup> Year		3 <sup>rd</sup> Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area		Budget in Lakhs
1	Health Related	Primary Medical Facilities through Mobile Van	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	59.4	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	49.5	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguda water pipeline	49.5	158.4
		Organizing Medical camps for general public	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	39.6	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	33	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguda water pipeline	33	105.6
		(Bi-monthly in each village)		0		0		0	0
		Nutri Garden Development at individual households	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	11	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	8.8	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguda water pipeline	8.8	28.6
		Awareness and Education Program regarding Health Issues	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	11	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	8.8	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguda water pipeline	8.8	28.6
		Infarstrucutre Improvement in Health Sub-Centers	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	13.2	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	11	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguda water pipeline	11	35.2
		Nirogshala (Village Health Dispensary)	2 (1 at Podapadi and 1 at Odiapentha GP)	44	26 Villages of Kashipur Block of Rayagada & 7 Villages of Laxmipur Block of Rayagada	49.5	26 Villages of Kashipur Block of Rayagada & 7 Villages of Laxmipur Block of Rayagada	55	148.5
		Ambulance Services	2 ALS and 2 BLS	27.5	26 Villages of Kashipur	33	27 Villages of Kashipur	38.5	99



S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement					Tentative Budget (Rs. in lacs)	
			1 <sup>st</sup> Year		2 <sup>nd</sup> Year		3 <sup>rd</sup> Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area		Budget in Lakhs
			dedicatedly for the community		Block of Rayagada & 7 Villages of Laxmipur Block of Rayagada		Block of Rayagada & 7 Villages of Laxmipur Block of Rayagada		
		Development of facilities of CHC	Two (2) CHC	11	One (1) CHC	5.5	One (1) CHC	5.5	22
		Open Defecation Free (ODF) Village Program for Health and Sanitation	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	330	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	275	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguda water pipeline	275	880
2	Educational Related	Construction of Classrooms in Govt. Schools of nearby area (Total 20 Classrooms)	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	99	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	82.5	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguda water pipeline	82.5	264
		Ensuring proper Sanitation Facilities at School by building Toilet units for students	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	66	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	55	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguda water pipeline	55	176
		Developing Smart Classrooms in the Govt. Schools to promote digital learning	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	52.8	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	44	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguda water pipeline	44	140.8
		Boundary wall construction of Govt. Schools	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	52.8	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	44	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguda water pipeline	44	140.8
		Renovation & Repairing of Govt. School Buildings	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi,	132	5 Villages / Birigura, Rajanpanasgura, Kindiripadara	110	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda,	110	352

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement					Tentative Budget (Rs. in lacs)	
			1 <sup>st</sup> Year		2 <sup>nd</sup> Year		3 <sup>rd</sup> Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area		Budget in Lakhs
			Phulajuba, Bhalujori, Singaram		, Panchali, Kapadang		Kanshariguda water pipeline		
		Providing basic amenities like Furniture, Boards, water coolers etc.	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	19.8	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	16.5	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguda water pipeline	16.5	52.8
		Learning Development Program for Govt. School Students	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	19.8	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	16.5	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguda water pipeline	16.5	52.8
		Career Counselling Sessions for Govt. School Students	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	19.8	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	16.5	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguda water pipeline	16.5	52.8
2	Educational Related	Scholarships Program for students pursuing higher studies	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	26.4	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	22	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguda water pipeline	22	70.4
		Exposure Visit of Govt. School Students	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	13.2	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	11	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguda water pipeline	11	35.2
		Lab & Library Development in all Govt. Sec. and Sr. Sec. Schools	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	33	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	27.5	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguda water pipeline	27.5	88
		Plantation Works in	All Schools of Project area	11	All Schools of Project area	7.7	All Schools of Project area	5.5	24.2

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement					Tentative Budget (Rs. in lacs)	
			1 <sup>st</sup> Year		2 <sup>nd</sup> Year		3 <sup>rd</sup> Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area		Budget in Lakhs
		Govt. School Premises							
3	Environment Related	Installation of Solar Street Lights for better illumination in the villages	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	264	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	220	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	220	704
		Plantation drives with Treeguards	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	13.2	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	11	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	11	35.2
		Construction of RWH pits	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	19.8	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	16.5	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	16.5	52.8
		Development of Garden/Parks in the villages (Panchayat will allocate the land)	2 Villages	11	1 village	5.5	1 village	5.5	22
		Greenbelt Development Program through Community Nursery	10 Villages of Kashipur Block of Rayagada & 5 Villages of Laxmipur Block of Rayagada	55	10 Villages of Kashipur Block of Rayagada & 5 Villages of Laxmipur Block of Rayagada	60.5	10 Villages of Kashipur Block of Rayagada & 5 Villages of Laxmipur Block of Rayagada	66	181.5
		Community Waste Mangement Program for better sanitation and Hygiene	10 Villages of Kashipur Block of Rayagada & 5 Villages of Laxmipur Block of Rayagada	66	10 Villages of Kashipur Block of Rayagada & 5 Villages of Laxmipur Block of Rayagada	66	10 Villages of Kashipur Block of Rayagada & 5 Villages of Laxmipur Block of Rayagada	66	198
4	Water related	Repairing and Renovation of existing water	6 Villages / Kanshariguda hamlet,	66	5 Villages / Birigura, Rajanpanasgu	55	5 Villages / Punjiguma, Sankarada,	55	176

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement					Tentative Budget (Rs. in lacs)	
			1 <sup>st</sup> Year		2 <sup>nd</sup> Year		3 <sup>rd</sup> Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area		Budget in Lakhs
		harvesting structures/ ponds/naadis etc. in the nearby villages	Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram		ra, Kindiripadara, Panchali, Kapadang		Tayaput, Kutingiguda, Kanshariguid a water pipeline		
		Drinking water arrangements for Cattle & Bird by developing troughs	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	6.6	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	5.5	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	5.5	17.6
		Desilting of existing ponds etc. in the nearby villages	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	264	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	220	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	220	704
		Developing/repairing of water infrastructures in the villages	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	66	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	55	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	55	176
		Watershed Development Projects	10 Villages of Kashipur Block of Rayagada & 5 Villages of Laxmipur Block of Rayagada	550	10 Villages of Kashipur Block of Rayagada & 5 Villages of Laxmipur Block of Rayagada	550	10 Villages of Kashipur Block of Rayagada & 5 Villages of Laxmipur Block of Rayagada	550	1650
5	Infrastructure Related	Construction of CC Roads	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	396	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	330	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	330	1056
		Construction of Community Centers for Local community event, SHG	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba,	66	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	55	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid	55	176



S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement					Tentative Budget (Rs. in lacs)	
			1 <sup>st</sup> Year		2 <sup>nd</sup> Year		3 <sup>rd</sup> Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area		Budget in Lakhs
		meeting, organising functions etc.	Bhalujori, Singaram				a water pipeline		
5	Infrastructure Related	Construction of Bus Shelters (2 @ each village)	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	26.4	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	22	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	22	70.4
		Development at Cremation Ground	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	66	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	55	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	55	176
		Construction of Drainage system in the villages	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	264	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	220	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	220	704
		Installation of Speed Breakers to ensure road safety	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	6.6	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	5.5	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	5.5	17.6
		Construction of Drinking Water Facility	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	33	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	27.5	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	27.5	88
		Development of Gaushala of nearby villages	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	13.2	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	11	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	11	35.2
6	Livelihood Related	Establishing Center of Excellence	6 Villages / Kanshariguda hamlet,	330	5 Villages / Birigura, Rajanpanasgura	275	5 Villages / Punjiguma, Sankarada,	275	880

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement					Tentative Budget (Rs. in lacs)	
			1 <sup>st</sup> Year		2 <sup>nd</sup> Year		3 <sup>rd</sup> Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area		Budget in Lakhs
		having Skill Development School, Training Center of Women, Library for youths, Open Gym, Classrooms for extra studies, wellness center etc with 6 AC rooms near plant premises or nearest villages in separate land. Installation of 20 nos. of sewing machines, 10 nos. of computer systems, 10 nos. of machines for making hand craft items along with necessary raw materials, organizing training program, vocational program etc.	Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram		ra, Kindiripadara, Panchali, Kapadang		Tayaput, Kutingiguda, Kanshariguid a water pipeline		
		Construction of Apparat unit	One village	4400		0		0	4400
		Promotion of Organic Farming	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	26.4	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	22	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	22	70.4
6	Livelihood Related	Estalishing Micro-	6 Villages / Kanshariguda hamlet,	66	5 Villages / Birigura, Rajanpanasgu	55	5 Villages / Punjiguma, Sankarada,	55	176

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement					Tentative Budget (Rs. in lacs)	
			1 <sup>st</sup> Year		2 <sup>nd</sup> Year		3 <sup>rd</sup> Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area		Budget in Lakhs
		enterprises for women	Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram		ra, Kindiripadara, Panchali, Kapadang		Tayaput, Kutingiguda, Kanshariguid a water pipeline		
		Training of women on handicrafts for Income Generation Activites	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	66	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	55	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	55	176
		Livestock Development program like Breed Improvement Program and Vaccination Drives	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	19.8	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	16.5	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	16.5	52.8
		Veterinary Services in the villages by organising Animal Health Camps	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	19.8	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	16.5	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	16.5	52.8
		Farm based Livelihood Project (WADI/Orchard Dev/Horticulture Intervention) through partner agency	10 Villages of Kashipur Block of Rayagada & 5 Villages of Laxmipur Block of Rayagada	38.5	10 Villages of Kashipur Block of Rayagada & 5 Villages of Laxmipur Block of Rayagada	44	10 Villages of Kashipur Block of Rayagada & 5 Villages of Laxmipur Block of Rayagada	49.5	132
		Rural Enterprise development & Income Generation Programmes - Project UDYAMEE	26 Villages of Kashipur Block of Rayagada & 7 Villages of Laxmipur Block of Rayagada	33	26 Villages of Kashipur Block of Rayagada & 7 Villages of Laxmipur Block of Rayagada	38.5	26 Villages of Kashipur Block of Rayagada & 7 Villages of Laxmipur Block of Rayagada	44	115.5
		Livelihood for Small and Marginal Farmers through	26 Villages of Kashipur Block of Rayagada & 7 Villages	55	26 Villages of Kashipur Block of Rayagada & 7 Villages of	60.5	26 Villages of Kashipur Block of Rayagada & 7 Villages of	66	181.5

S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1 <sup>st</sup> Year		2 <sup>nd</sup> Year		3 <sup>rd</sup> Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
		Lemon Grass Cultivation	of Laxmipur Block of Rayagada		Laxmipur Block of Rayagada		Laxmipur Block of Rayagada		
		Skill upgradation training programs for Local Youths	26 Villages of Kashipur Block of Rayagada & 7 Villages of Laxmipur Block of Rayagada	350	26 Villages of Kashipur Block of Rayagada & 7 Villages of Laxmipur Block of Rayagada	350	26 Villages of Kashipur Block of Rayagada & 7 Villages of Laxmipur Block of Rayagada	350	1050
		Mushroom Spawn Manufacturing Unit & Mushroom Farming	1 Village	33	26 Villages of Kashipur Block of Rayagada & 7 Villages of Laxmipur Block of Rayagada	22	26 Villages of Kashipur Block of Rayagada & 7 Villages of Laxmipur Block of Rayagada	22	77
		Promotion of High-Value Vegetables/E xotic Fruits cultivation for income enhancement of Farmers	26 Villages of Kashipur Block of Rayagada & 7 Villages of Laxmipur Block of Rayagada	33	26 Villages of Kashipur Block of Rayagada & 7 Villages of Laxmipur Block of Rayagada	33	26 Villages of Kashipur Block of Rayagada & 7 Villages of Laxmipur Block of Rayagada	33	99
7	Sports related	Development of Playgrounds in the village & School grounds	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	33	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	27.5	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	27.5	88
		Basketball or volley ball Ground Development	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	33	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	27.5	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	27.5	88
		Developing Sports facilities in the schools with Kits & equipment	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	40	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	30	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguid a water pipeline	30	100



S. No.	Concerns raised during the Public Hearing	Physical activity to be done	Unit of Measurement						Tentative Budget (Rs. in lacs)
			1 <sup>st</sup> Year		2 <sup>nd</sup> Year		3 <sup>rd</sup> Year		
			Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	Location / Area	Budget in Lakhs	
7	Sports related	Community Level Sports Promotion Events	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	11	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	11	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguda water pipeline	11	33
		Boundary wall at Playground	6 Villages / Kanshariguda hamlet, Puhundi, Podapadi, Phulajuba, Bhalujori, Singaram	46.2	5 Villages / Birigura, Rajanpanasgura, Kindiripadara, Panchali, Kapadang	38.5	5 Villages / Punjiguma, Sankarada, Tayaput, Kutingiguda, Kanshariguda water pipeline	38.5	123.2
<b>TOTAL</b>									<b>17091.2</b>

