



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The Whole Time Director
SHIVA CEMENT LTD
Village-Telighana, P.O-Bringatoli, P.S.-Kutra, Tehsil-Kutra,
Sundargarh,, Sundargarh, Orissa-770018

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/OR/IND/255534/2010 dated 07 Feb 2022. The particulars of the environmental clearance granted to the project are as below.

- EC Identification No.** EC22A009OR124706
- File No.** J-11011/84/2008- IA II (I)
- Project Type** Expansion
- Category** A
- Project/Activity including Schedule No.** 3(b) Cement plants
- Name of Project** Expansion of Cement Plant with Increase of Clinker Production from 0.165 MTPA to 3.00 MTPA and Cement from 0.252 MTPA to 2.00 MTPA (OPC/PPC/PSC/Composite Cement/GGBS) along with installation of 12 MW
- Name of Company/Organization** SHIVA CEMENT LTD
- Location of Project** Orissa
- TOR Date** 30 Jun 2010

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 23/03/2022

(e-signed)
Sundar Ramanathan
Scientist E
IA - (Industrial Projects - 1 sector)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

This is a computer generated cover page.



This refers to your proposal no. IA/OR/IND/255534/2010 dated 07/02/2022 submitted through PARIVESH Portal seeking grant of **Environment Clearance (EC)** for the project mentioned above.

2. As per the provisions of the Environment Impact Assessment (EIA) Notification, 2006, the above-mentioned project/activity is covered under category '**A**' of item **3(b) Cement Plants**, and appraised at **Central level**.
3. Accordingly, the above-mentioned proposal has been considered in **1st meeting of Expert Appraisal Committee (Industry-1 Sector) held on 5 – 6th March, 2022**. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in/>.
4. The details of the proposal are as per the EIA report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1) are as under: -

S No	Particulars	Details		
a.	Terms of Reference for undertaking EIA study	21/11/2020		
b.	Period of baseline data collection	1 st October 2020 – 31 st December 2020		
c.	Date of Public Consultation	26/08/2021		
d.	Action plan to address the PH issues	An amount of Rs. 1681 lakhs have been earmarked to address the issues raised during public hearing. Detail of activities proposed attached as Annexure 1 .		
e.	Location of the project	Telighana Village, P.O. Bringatoli, Kutra, Dist. Sundargarh, Odisha		
f.	Latitude and Longitude of the project site	Point	Latitude	Longitude
		1.	22°13'36.12"N	84°24'48.97"E
		2.	22°13'48.91"N	84°24'57.13"E
		3.	22°13'43.11"N	84°24'44.82"E
		4.	22°13'43.51"N	84°25'29.08"E
g.	Total land	28.68 ha		
h.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Expansion activities is proposed in exiting project area of 28.68 ha. Complete land of 28.68 ha is under possession of the company. However, 29.63 ha for setting up of railway siding and 9.23 ha for Overland Belt Conveyor required land to be acquired. PP will commission railway siding (29.63 ha) and Limestone belt conveyor in 9.23 Ha (Over Land Belt Conveyor-OLBC) within 3.0 years of obtaining Environmental Clearance		
i.	Existence of habitation & involvement of R&R, if any	Project Site – 9.23 Ha (22.80 Acres) of land will be acquired for over land belt conveyor of 8.7 km length. The corridor width of the conveyor is 12 m. The land is Scheduled Land and SCL proposes to acquire the land through Govt. of Odisha. Project affected families are 171 nos. Land and R&R		

S No	Particulars	Details																		
		cost is Rs 18.50 Crore and Cost of OLBC is Rs 126 Crore. Total project cost for OLBC is Rs 144.5 Crore. Study Area: <table border="1"> <thead> <tr> <th>Habitation</th> <th>Distance</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>Telighana</td> <td>0.63 km</td> <td>South</td> </tr> <tr> <td>Kandeimunda</td> <td>0.10 km</td> <td>NE</td> </tr> </tbody> </table>	Habitation	Distance	Direction	Telighana	0.63 km	South	Kandeimunda	0.10 km	NE									
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Telighana	0.63 km	South																		
Kandeimunda	0.10 km	NE																		
j.	Elevation of the project site	280 m AMSL																		
k.	Involvement of Forest land if any.	Nil																		
l.	Water body exists within the project site as well as study area	Project Site: NIL Study Area <table border="1"> <thead> <tr> <th>Water Body</th> <th>Distance</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>Kantijharia Nala</td> <td>3.41 km</td> <td>NNE</td> </tr> <tr> <td>Nakti Jor</td> <td>3.70 km</td> <td>SE</td> </tr> <tr> <td>Daku Nadi</td> <td>3.71 km</td> <td>West</td> </tr> <tr> <td>Nearest Water Tank</td> <td>3.0km</td> <td>WSW</td> </tr> <tr> <td>Matwali Jor</td> <td>3.82 km</td> <td>WNW</td> </tr> </tbody> </table>	Water Body	Distance	Direction	Kantijharia Nala	3.41 km	NNE	Nakti Jor	3.70 km	SE	Daku Nadi	3.71 km	West	Nearest Water Tank	3.0km	WSW	Matwali Jor	3.82 km	WNW
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m.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	Nil. However, Following Reserved Forests are located within study area: Udarama R.F- 8.0 km, WNW Khatang R.F - 7.0 km, E Rajabasa R.F - 4.2 km, S Mahabir R.F - 9.5 km, SW Mundalasa R.F - 7.0 km, SE Luhuraberni R.F - 5.5 km, ESE Dahijira R.F - 3.0 km, ENE Amirchua R.F - 8.6 km, WNW Panchra R.F - 9.5 km, NW Lampi R.F - 8.0 km, N Bangala Paharh R.F. - 9.5 km NNW																		
n.	Project cost	INR 2194.5 Crores																		
o.	EMP cost	INR 294.9 Crores																		
p.	Employment opportunity	500 persons																		
q.	Water and Power requirement	Water – 1990 m ³ /day, Power – 39 MW																		

Unit configuration and capacity:

Particulars	Present Capacity	Capacity After Expansion
Clinker	0.165*	#3.0
Cement (OPC/ PPC/ GGBS/ PSC/ Composite Cement)	0.252*	2.0
Waste Heat Recovery power generation (MW)	-	12.0

Note: *After implementation of existing EC, the old Unit of 0.165 MTPA clinker and 0.252 MTPA Cement will be dismantled as it's an inefficient plant. The proposed new plant will be energy and environmentally efficient.

#Out of 3.0 MTPA, 2.0 MTPA clinker will be sent to Split Grinding units

5. The EAC, in its 1st meeting of Expert Appraisal Committee (Industry-1 Sector) held on 5 – 6th March, 2022, 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 conditions as detailed in the point below.
6. 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) hereby decided to grant Environment Clearance for instant proposal of **M/s. Shiva Cement Limited** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions:

A. Specific Conditions

- i. Overhead belt conveyor for transportation of Limestone from the mines to the plant site shall be established in a time frame of three years from the date of issue of Environment Clearance after obtaining requisite statutory permissions from the concerned competent authority. Thereafter, road transportation of limestone from the mines to the plant site is not permitted.
- ii. Particulate matter emissions from all the stacks shall be less than 30 mg/Nm³.
- iii. Three tier Green Belt shall be developed in a time frame of one year covering 10.32 ha area with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. This shall include development of green belt with a width of 20 m within the project site towards Telighana Village located at 650 m in South and Kandeimunda Village located at 100 m in NE. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
- iv. 1990 KLD of water requirement after the proposed expansion shall be met from mine pit water source. No ground water abstraction is permitted except for domestic purposes.
- v. All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains to trap the run off material.
- vi. Slip roads shall be provided at the gates and along crossings on main roads.
- vii. All internal and connecting road to the Highway shall be black topped/ concreted with suitable load in term of Million Standard Axle (MSA) as per IRC guidelines.
- viii. Performance monitoring of pollution control equipment shall be taken up yearly and compliance status in this regard shall be reported to the concerned Regional Office of the MoEF&CC.
- ix. Dioxin and furans shall be monitored twice a year during co-processing of hazardous waste and report shall be submitted to the Regional Office of the MoEF&CC.
- x. Project proponent shall develop separate drainage system for storm water and industrial waste water and effectively prevent the pollution of natural waterbody.
- xi. Compensatory afforestation shall be done in consultation with DFO for the 530 trees going to be removed from the project site as per State Government norms.

B. General Conditions

I. Statutory compliance:

- i. 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.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 Continuous Emission Monitoring System (CEMS) at process stacks to monitor stack emission as well as 4 Nos. Continuous Ambient Air Quality Station (CAAQS) 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.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
- iii. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- iv. The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash;
- v. The project proponent shall provide wind shelter fence and chemical spraying on the raw material stock piles;
- vi. Ventilation system shall be designed for adequate air changes as per the prevailing norms for all tunnels, motor houses, and cement bagging plants.

III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and 10th May, 2016 (in case of Co-processing Cement) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) 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.
- ii. The project proponent shall regularly monitor 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.
- iii. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- iv. 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
- v. Water meters shall be provided at the inlet to all unit processes in the cement plant.

- vi. The project proponent shall make efforts to minimize water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- vii. Tyre washing facilities shall be provided at the entrance and exit of the plant gates.

IV. Noise monitoring and prevention

- i. Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

V. Energy Conservation measures

- i. Waste heat recovery system shall be provided for kiln and cooler.
- ii. The project proponent makes efforts to achieve power consumption less than 65 units/ton for Portland Pozzolona Cement (PPC) and 85 units/ton for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.
- iii. 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.
- iv. Provide the project proponent for LED lights in their offices and residential areas.

VI. Waste management

- i. Used refractories shall be recycled as far as possible.

VII. Green Belt

- i. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration by trees in the plant premises.
- ii. 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.

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.
- ii. 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.
- iii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

IX. Environment Management

- i. 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.

- ii. The company shall have a well laid down environmental policy duly approved 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.
- iii. 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.

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 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.
- 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.
- 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.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (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 company.
- 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.
- vi. 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.
- vii. 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.
- viii. 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.
- ix. 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).
- x. 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.

- xi. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xiii. 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.
- xiv. Any appeal 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.

7. This issues with the approval of the Competent Authority.



(Sundar Ramanathan)
Scientist 'E'

Copy to: -

1. Secretary, Department of Environment, Government of Odisha, Secretariat, Bhubaneswar.
2. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, A/3, Chandrasekharapur, Bhubaneswar – 751023.
4. Chairman, Odisha State Pollution Control Board, Parivesh Bhawan, A/118 Nilakantha Nagar, Unit-VIII, Bhubaneswar-751012.
5. Chief Wildlife Warden, Govt. of Odisha, 5th Floor, BDA Apartments, Prakruti Bhawan, Nilakantha Nagar, Nayapalli, Bhubaneswar-751012
6. Member Secretary, Central Ground Water Authority, A2, W3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
7. District Collector, Sundergarh District, Odisha.
8. Guard File/Record File/Monitoring File.
9. MoEF&CC Website.



(Sundar Ramanathan)
Scientist 'E'

Action plan as per MoEF&CC O.M. dated 30/09/2020**A. Public hearing commitments and action plan and budget:**

Concerns raised during PH	Physical activity & action plan	Particulars	Year of implementation			Total budget
			1 st year	2 nd year	3 rd year	
Issue of displacement will be there	As there are no houses/ settlement in the land proposed to be acquired, there will be no displacement of people	Physical Target Budget: Rs. Lakh	- -	- -	- -	- -
Company should discuss with the local inhabitants in Panchayat level for consensus.	Company had a meeting with Sarpanch, Kandeimunda in presence of ADM, Sundargarh and Tehasildar Kutra on 23-08-2021. The Sarpanch demanded to comply with their requirement in the areas of pollution control, local employment and peripheral development	Physical Target: Env. & Pollution Control: SCL will install high efficiency pollution control systems for control of air, water and noise pollution and will strictly comply with the pollution norms of SPCB and MoEF Budget: Included in EMP cost				-
		Physical Target: Local Employment – There is a potential for employment to approx. 500 people for the proposed expansion. Local will be preferred and employment will be given based on qualification and eligibility Budget: Rs. Lakh	-	-	-	-
		Physical target: Peripheral development will be undertaken by SCL in the following areas: - Livelihood - Education - Health & sanitation - Rural development				
		Budget: Rs. Lakh				-
		SCL will spend the allocated budget for various peripheral development activities in a span of 3 years. Yearwise and activitywise budget allocation is detailed in subsequent points				
Regarding increase in level of pollution, Poisonous gas emission, respiratory illness, Cement Dust deposits over houses and in agricultural lands, Los of soil fertility and crop productivity, water and noise pollution etc.	<ul style="list-style-type: none"> Adequate control measures like installation of ESP, Bag filters, dust suppression system, fume extraction system, sprinklers & stacks of adequate height at relevant places will be installed. Air borne dust shall be controlled by mobile water tanker inside the plant premises. Maintenance and performance monitoring of air pollution control equipment shall be done at regular intervals. All roads shall be paved on which movement of raw materials or products will take place inside the plant premises. No waste water will be discharged outside the plant area. The plant is designed as a zero-discharge plant. The entire wastewater will be recirculated and recycled. 	Physical Target: Budget:	The physical targets for the entire activities shall be achieved in 3 years Included in EMP cost.			-

Concerns raised during PH	Physical activity & action plan	Particulars	Year of implementation			Total budget
			1 st year	2 nd year	3 rd year	
	<ul style="list-style-type: none"> Domestic waste water will be treated in STP and the treated water will be used for plantation. The equipment shall comply with the Statutory limit of 85 dB(A) (at 1 m. from the source). Noise Reduction Systems will be provided. Thick greenbelt will be developed around the periphery 					
Regarding ground water depletion and water scarcity in the locality due to drawl of ground water by company.	The fresh water requirement of the plant after the expansion is 1792 m ³ /day. 688 m ³ /day water will be sourced from bore wells and additional 1104 m ³ /day of water will be sourced from the mine pit after laying of water pipeline.	Physical target:	Rooftop rainwater harvesting within plant premises. This includes roof tops of CCR, stores, admin, workshop, packing plant and residential buildings as well as groundwater recharge of surface runoff.	Construction of a) 2 check dams in village Telighana and Kandeimunda b) deepening/ renovation of 2 ponds in Kandeimunda and Kutra c) Construction of Roof top RWH structures in 5 govt offices and school buildings.		
		Budget: Rs 50 Lakh	Included in EMP cost	Rs. 50 Lakh		Rs. 50 Lakh
	Supply of drinking water during summer	Physical target:	Drinking water supply through tankers in 3 villages, i.e. Telighana, Kutra and Kandeimunda as per requirement. Water supply will be continued even after 3 years and will also be extended to other villages based on their needs.			
		Budget: Rs. 18 Lakh	Rs. 6 Lakh	Rs. 6 Lakh	Rs. 6 Lakh	Rs. 18 Lakh
	Development of drinking water facility	Physical target:	Bore well construction and provision of solar pumps (2 nos each in village Telighana, Kutra and Kandeimunda)			
Budget: Rs. 30 Lakh		Rs. 10 Lakh	Rs. 10 Lakh	Rs. 10 Lakh	Rs. 30 Lakh	
Utilization of mine pit water to conserve groundwater	Physical target:	Laying of water pipeline from Khatkurbahal mine to plant for carrying mine pit water				
	Budget:	Included in project cost			-	
Regarding construction of dedicated road from State Highway to plant	The existing road is the only road connecting our plant to SH-10. The company proposes for widening and concreting of this road	Physical target:	Widening and concreting of approx. 1.5 km road will be completed by July 2022		-	
		Budget: Rs. 650 Lakh	Rs. 650 Lakh	-		Rs. 650 Lakh
Regarding employment to local people	Top most priority will be given to the local people based on their academic qualification and eligibility. In addition, skill development (SD) for unemployed local youths through National Skill Development Corporation and Odisha Skill Development Authority. Construction	Physical target:	Construction of Skill Development Centre/ Vocational training centre building with 6 AC rooms near plant premises. 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 6 workshops annually for practical training, provision of qualified trainers, approved course contents, independent 3 rd party assessment, equipment, machinery and necessary consumables/ raw materials based on the need of the local people			

Concerns raised during PH	Physical activity & action plan	Particulars	Year of implementation			Total budget
			1 st year	2 nd year	3 rd year	
	of SD Centre with the necessary infrastructure	Budget:	Rs. 30 Lakh	Rs. 60 Lakh	Rs. 60 Lakh	Rs. 150 Lakh
Proper wages to Local labours,	Wages will be paid strictly as per statutory norms	Physical target:	-	-	-	
		Budget:	-	-	-	-
Regarding proper safety measures to be taken for workers to be deployed in company.	Company will strictly comply with all safety measures in accordance with State Factory Rules and other applicable health and safety rules	Physical target:	All safety measures related to plant and machinery have been incorporated in plant design. Other measures such as provision of safe workplace, hand rails, toe guards, safe platforms, proper insulation, provision of sensors for equipment safety, required safety gadgets to workers, appointment of safety officers (in each shift), job safety analysis, regular safety training, ensuring good housekeeping in plant premises, regular health checkup of workers, provision of first aid and a health centre within the premises and implementation of Safety Management System in line with ISO 45001			
		Budget:	Included in project and EMP cost			-
Regarding peripheral development	Construction of hospital in the area	Physical target:	Construction of 20 bed hospital with doctors, paramedical staff, minor OT, Emergency, Pathology lab, gynecology and other required facilities near plant in village Telighana			
		Budget:	-	Rs. 150 Lakh	Rs. 150 Lakh	Rs. 300 Lakh
	Village infrastructure development	Physical target:	Construction of 400 Mtr CC road along with drainage (Backside of colony to Telighana village)	Construction of 800 Mtr CC road along with drainage (Road leading from plant backside to Telighana village)	Construction of 1 km CC road along with drainage (Road leading from plant gate to Kandeimunda a village)	
		Budget: Rs. 125 Lakh	Rs. 60 Lakh	Rs. 95 Lakh	Rs. 120 Lakh	Rs. 275 Lakh
	Sanitation (public toilets)	Physical target:	Construction of public toilets 5 nos each in village Telighana, Kandeimunda, Bringatoli and Kutra. Total 20 nos.			
		Budget: Rs. 15 Lakh	Rs. 5 Lakh	Rs. 5 Lakh	Rs. 5 Lakh	Rs. 15 Lakh
	Development of building infrastructure, playground, class rooms, library facilities and providing computers in the Local schools	Physical target:	Construction of 4 extra rooms in govt school, village Telighana	Development of play ground in Kutra High School and providing sports kits to students	Computer labs and 2 nos of smart boards in village schools of Telighana and Kandeimunda	
		Budget: Rs. 32 Lakh	Rs. 12 Lakh	Rs. 10 Lakh	Rs. 10 Lakh	Rs. 32 Lakh
	Electrification through Solar LED Street lighting in villages	Physical target:	10 nos of solar street lights in Kutra village	10 nos of solar street lights in Telighana village	10 nos of solar street lights in Kandeimunda a village	
		Budget: Rs. Lakh	Rs. 7 Lakh	Rs. 7 Lakh	Rs. 7 Lakh	Rs. 21 Lakh
		Total budget (A):				Rs. 1541 Lakh

B. Detailed action plan with physical targets for need based activities:

Need based activities	Particulars	Year of implementation		
		1 st year	2 nd year	3 rd year
Supporting health, nutrition and sanitation	Physical target	Providing nutritious diet package to pregnant women and new mothers for their baby's physical and mental health, providing support for timely vaccination		
	Budget (Rs. 9 Lakh)	Rs. 3 Lakh	Rs. 3 Lakh	Rs. 3 Lakh
	Physical target	Arranging 2 health camps in a year for elderly persons. One camp for eye check-up and free cataract surgery whereas another camp for general health check-up including blood, urine and other tests.		
	Budget (Rs.15 Lakh)	Rs. 5 Lakh	Rs. 5 Lakh	Rs. 5 Lakh
	Physical target	Distribution of sanitary napkins to girls and women.		
	Budget (Rs. 3 Lakh)	Rs. 1 lakh	Rs. 1 lakh	Rs. 1 lakh
Renovation and augmentation of infrastructure	Physical target	Repairing of existing tube wells	Hand pump Installation – 2 nos	Hand pump Installation – 2 nos
	Budget (Rs.3 Lakh)	Rs. 1 lakh	Rs. 1 lakh	Rs. 1 lakh
	Physical target	Repair & maint, of 1 km road in the village	Repair & maint, of 1 km road in the village	Repair & maint, of 1 km road in the village
	Budget (Rs. 30 Lakh)	Rs. 10 Lakh	Rs. 10 Lakh	Rs. 10 Lakh
	Physical target	Supply of furniture and 2 computers in 2 village schools	Supply of medicines in CHC, Kutra	
	Budget (Rs.15 Lakh)	Rs 5 Lakh	Rs 5 Lakh	Rs 5 Lakh
Support to children in education and sports	Physical target	Distribution of school bags, books, bicycles, stationery items to 50 students	Sponsoring 30 candidates for ITI training (fee & other educational expenses)	Providing sports kits to children (25 nos) and supporting them to participate in various sports tournaments etc.
	Budget (Rs. 17 Lakh)	Rs 2 Lakh	Rs 10 Lakh	Rs 5 Lakh
	Physical target	Scholarships to 10 meritorious students every year		
	Budget (Rs. 6 Lakh)	Rs 2 Lakh	Rs 2 Lakh	Rs 2 Lakh
Facilitate carrier-oriented programs to make youth eligible for various job opportunities	Physical target	Vocational training for self-employment in the field of auto mechanic, electrician, drill operator, loader operator, Maintenance Crew, excavator operator, HEMM Mechanic etc.		
	Budget (Rs. Lakh)	Covered in Public Hearing related issues		
	Physical target	Financial assistance to 10 students from PAFs towards coaching for competitive examinations		
	Budget (Rs. 15 Lakh)	Rs. 5 Lakh	Rs. 5 Lakh	Rs. 5 Lakh
Sustainable livelihood	Physical target	Organizing driving and vehicle maintenance workshops for PAFs (2 sessions in a year)		
	Budget (Rs.6 Lakh)	Rs. 2 Lakh	Rs. 2 Lakh	Rs. 2 Lakh
	Physical target	Training to PAFs through experts in the field of agriculture & livestock through workshop (2 sessions in a year)		
	Budget (Rs. 6 Lakh)	Rs. 2 Lakh	Rs. 2 Lakh	Rs. 2 Lakh
	Physical target	Training to PAFs for papad making, sanitary napkin making, sewing training through workshop by area expert (4 sessions in a year)		
	Budget (Rs. 15 Lakh)	Rs. 5 Lakh	Rs. 5 Lakh	Rs. 5 Lakh
		Total budget (B) Rs. 140 Lakh		
		Total (A) + (B) = 1681 Lakhs		
