



S. No	Physical activity and action plan		Year of implementation (Budget in ₹)		Total Expenditure (₹ in Crores) Till September 2023
	Name of the activity	Physical Targets	1 <sup>st</sup> (2022-23)	2 <sup>nd</sup> (2023-24) Till September 2023	
<b>PUBLIC HEARING BASED ACTIVITIES</b>					
1.	Local employment	<p>Maximum employment will be given to the Local youth as per State Government norms based on their knowledge and skill. In addition, vocational training will be given for the employment to local. Total 160 persons will receive stipend of Rs. 12,500 per month for three months training.</p>	<p>For the on-going operational &amp; under construction employment is given to the local youth on basis of their knowledge and skill.</p> <p>Also, apprenticeship is provided to the local qualified youth selected based on the marked secured in the entrance exam. Currently 100 nos. are absorbed under apprenticeship scheme by the company and balance 60 nos. in associate company of the Group (as 100% plant is not operated).</p>		0.25
2.	Provision for health care facility	<p>Free ambulance service for meeting emergency demand.</p>	<p>Free ambulance service for meeting emergency demand is made available to local club 'Kharagpur Yubo Sangha Club'.</p>  <p>Also 01 no. ambulance is provided to IIT Kharagpur, West Bengal @cost of Rs 35.0 lacs.</p>	-	0.48



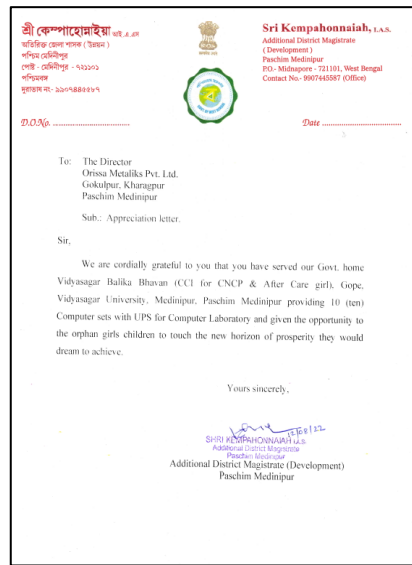
Financial support to existing rural health center (Free Blood Donation Camp, Free health check-up camp, Free Dispensary Camp, Free Eye Check-up Camp cum free Spectacles distribution)

Financial support to existing health center [(Kalaikunda Primary Health Center (1<sup>st</sup> year), Matkatdpur (2<sup>nd</sup> year) and Mahespur (3<sup>rd</sup> year)] with specialist doctor, compounder & assistant etc.

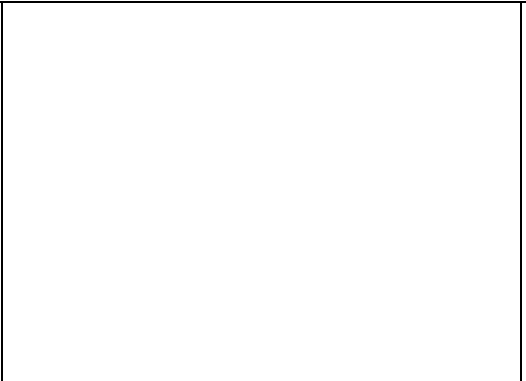




Supply of Computer with UPS to the Govt. Technical Institute for development of computer lab.

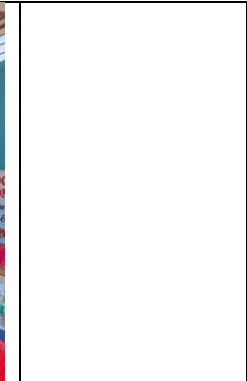


3. Construction/ Development of Technical Schools



Financial Support to the 02 nos. technical schools Private I.T.I & Midnapore I.T.I- ₹ 5 Lakhs each in 1<sup>st</sup> year, 2<sup>nd</sup> Year & in 3<sup>rd</sup> Year will be provided for development of lab & infrastructure. Free lectures / classes at least 144 classes annually from experienced industrial experts in consultation with school administration will be provided at the cost of ₹ 2 Lakhs annually.

Industrial/ Vocational training will be provided to 100 local youths per year based on their academic qualification for better education and practical experiences and also eligible candidates will be engage by the unit in near future.



0.10

Financial Support to the Barkola School, Development of infrastructure (toilets, drinking water), construction of new block, distribution of sports items, providing free benches, organising sports meet, cultural activities in school at village Barkola & Bargai.




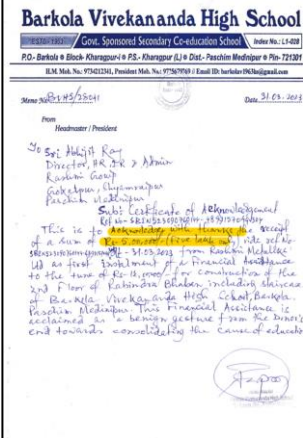

4.

Financial Support to the Local School for better education facility and development of infrastructure (toilets) & library facilities

Barkola Primary School in 1<sup>st</sup> year, Bargai Primary School, in 2<sup>nd</sup> year and Walipur High School in 3<sup>rd</sup> year with 02 nos. toilets at each school.

(01 no. toilets @ 1.0 lac)

0.12

						
<p>5.</p>	<p>Proper action to control pollution and construction of plant effluent discharge drainage system.</p>	<p>Most effective and advanced stage technology having techno-economic viability for air pollution control devices of adequate capacity have been installed for existing operational units and will be installed in parallel with implementation of the proposed plant and it will be regularly monitored by dedicated team. Also third party audit / monitoring will be conducted by approved lab / agency on quarterly basis.</p> <p>Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEFCC/ WBPCB with EC compliance report.</p> <p>Boundary of the plant will be increased from 6 foot to 8 to 10 foot with barbed wire.</p> <p>Plant is being design as Zero Liquid Discharge plant and entire waste water after treatment used in plant. For the existing EC accorded and expansion project 02 x 140 KLD</p>	<p>Most effective and advanced stage technology having techno-economic viability for air pollution control devices of adequate capacity have been installed for existing operational units and will be installed in parallel with the implementation of the project. Fund allocated under head of EMP is/will not be diverted for any other purpose. Measures being adopted by company are as :</p>	<ol style="list-style-type: none"> <li>a) Dedicated 02 nos. water spraying tankers are in use for the suppression of fugitive emission. 01 No. more will be procured and will be used.</li> <li>b) Dedicated 02 nos. street swiping machine are in used.</li> <li>c) Dedicated 02 nos. movable water mist fog canon system &amp; 02 nos. fixed water mist fog canon system are in used for suppressing fugitive dust emission. Additional 02 nos. will be procured and will be used in parallel with implementation of the project.</li> <li>d) Water spraying at construction site to reduce fugitive emission. Water sprinkler/ water guns at least 100 nos. at potential emission sources (Dust prone area), internal road is installed for effectively controlling the fugitive emission and more will be installed in phase manner.</li> <li>e) Construction of wind barrier of height 20 ft. along boundary wall towards the close habitation/ village area at a cost of Rs. 25 lac per 100 meter will be done.</li> <li>f) Adequate quantity of mechanized machine for cleaning of plant area &amp; internal drain like bobcats, motorized grader, mini floor cleaning/ scrubber machine, mini excavators &amp; mini clamshell are used and more will be deployed for better housekeeping in parallel with implementation of the project.</li> </ol>		

		<p>STP and 1 x 1300 KLD + 1 x 600 KLD ETP will be installed.</p> <p>A network of drainage system having size 0.5 m Depth x 0.5 m width will be provided along the internal roads to collect storm water and will be interlinked with higher size drain 1 m wide &amp; 1 m depth that will be connected to surface 03 Nos. Guard Pond of Dimension 200 m x 150 m x 7 m ; 180 m x 60 m x 7 m &amp; 150 m x 120 m x 7 m.</p>	<ul style="list-style-type: none"> <li>g) Speed of the vehicles is regulated (20 km/hr) to control the fugitive dust emission from the roads.</li> <li>h) GPS enabled movable water tankers in the surrounding villages are deployed to arrest suspended dust in the atmosphere and data is also furnished to WBPCB.</li> <li>i) The raw materials are transported in covered dumpers or covered with tarpaulin. Overloading of truck strictly prohibited to control spillage and fugitive emission. Same practice will be carried out throughout the project life.</li> <li>j) Paved/ concrete roads are constructed in parallel with implementation of the project for transportation to minimize fugitive emissions.</li> <li>k) Water spraying by movable fog canon mist system on the raw material stock piles to prevent the diffusion of particles in the atmosphere.</li> <li>l) Construction of tyre washing facility at the entrance of the plant gate is going on for controlling haul road emission.</li> <li>m) Movement of raw material through dedicated road corridor from the existing operational railway siding of the Group in order to reduce the traffic load.</li> <li>n) Transfer of material through covered pneumatic conveyor belt.</li> <li>o) Dedicate manpower / staff for maintaining effective housekeeping and cleaning.</li> <li>p) Installation of land use based APCD (Bag filters, ID Fan, pneumatic APC dust handling system and stack of adequate height) at potential secondary emission sources like- transfer points, intermediate storage, silo and crushing/ grinding operations.</li> <li>q) Green belt development to mitigate the impact of fugitive dust on ambient air. As per EC dated 11.10.2022 1,22,750 nos. saplings to be planted on land measuring 49.10 hectares (33.24% of total project area) @ 2,500 trees per hectare in two years. Total of 83, 890 nos. trees have been planted till September 2023. Balance 38,860 nos. + Additional 20,275 nos. (Total 59,135 nos.) will be planted in two years.</li> <li>r) Additional under EMP for Social &amp; Infrastructure development Avenue plantation will be done in nearby villages by planting at least 250000 Nos. in 03 years).</li> </ul> <p>Recent Photograph of existing APCD are:</p>	
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Bag filter for arresting dust emission in DRI Plant  
(Separation Building, Product House, Cooler Discharge)



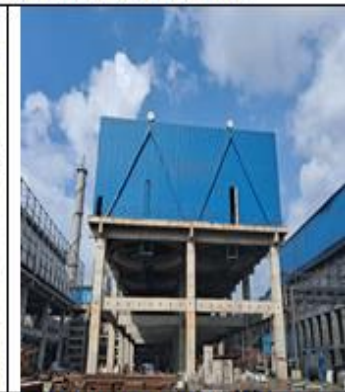
**ESP for arresting dust emission in DRI Plant (2 x 350 TPD + 2 x 500 TPD)**



**Water Gun with Internal Drain**



**Water Sprinklers**



**Air Cooled Condenser with CPP**



**Fixed Water Mist Canon System-02 Nos.**





**Movable Water Mist Fog Canon System-02 Nos.**



**Movable Water Tanker  
(Use in surrounding village for dust suppression)**



<p>6.</p>	<p>To do more plantation</p>	<p>Green belt is being developed inside &amp; outside the plant boundary CPCB guideline. With the expansion proposal the green belt will be increased from 40.01 hectare to 49.10 hectare. Greenbelt @ 2500 trees per hectare will be developed. Total 1,22,750 nos. of trees will be planted all along the plant boundary.</p> <p>Additional avenue plantation will be done in nearby villages by planting more or less approx. 1,50,000 nos. of trees. (Nimpura area-1<sup>st</sup> year, along the NH-49-2<sup>nd</sup> year and Kalyanpur village -3<sup>rd</sup> year)</p>	<p>Green belt is being developed inside &amp; outside the plant boundary CPCB guideline. Management is in process of developing green belt around the plant area. In financial year 2021-22, 2022-23 &amp; 2023-2024 (till September 2023), around 83,890 nos. of trees were planted and the survival rate is 90.0%. As per EC dated 11.10.2022 1,22,750 nos. saplings to be planted on land measuring 49.10 hectares (33.24% of total project area) @ 2,500 trees per hectare in two years. Remaining greenbelt (38,860 nos. of tree sapling) shall be developed within the time spam of 2 (two) years as per the EC dated 11.10.2022. To speed up the green belt development work additional dedicated manpower has been deployed.</p> <p>Donation of tree sapling is carried under CER/CSR and avenue plantation is carried out. Since inception of plant till date 50,000 nos. sapling planted/ distributed</p>	<p>0.10</p>
				
				





Installation of LED solar Street Lights with pole 30 nos. at a gap of 50 meter apart on road measuring 1.5 km from Charchak to Gokulpur.



7. Installation of street lights

Installation of LED solar Street Lights with pole 30 nos. at a gap of 50 meter apart on road measuring 1.5 km from Charchak to Gokulpur.

0.15

8.	Development of village cannel	Development of 'Mara Kasai canal in Gokulpur village approximately 3.0 Km -2 <sup>nd</sup> (1.5 km ) & 3 <sup>rd</sup> Year (1.5 km)- (1 Km.@ ₹ 16.0 lacs)	--  --	<p>Development of 'Mara Kasai canal' in Gokulpur village approximately 1.5 Km in under progress and fund allocate Rs 48, 00,000. In Financial year 2023-24, till September Rs. 20,00,000 is spent</p> 	0.20
9.	Maintenance, Development & Construction of road in nearby villages	Maintenance & development of 3.0 km road. (From Saha Chowk Dhekia Village to Latibpur village) in 1 <sup>st</sup> , 2 <sup>nd</sup> year and & development of road to the burial sites in Amba Village in 3 <sup>rd</sup> year respectively.	<p>Maintenance &amp; development of road From in Dhekia Village &amp; Latibpur village.</p> 	0.44	



**10** Construction of Temple

Construction of Temple 'Sitala Temple' in Amba village. (1 No.) in 2<sup>nd</sup> year.

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Construction of Temple 'Sitala Temple' in Amba village is completed.



**0.05**

**NEED BASED ACTIVITIES**

(Adopting 07 nos. of villages -Shyamraipur, Dhekia, Latibpur, Risha, Tentulia, Gokulpur and Amdai in nearby project area)

**11.** Drinking water facility

Bore well (60 Nos. @ 1.5 lacs per bore well) in villages Latibpur


40 nos. Bore well/ Hand pump installed in villages Latibpur, Risha & Tentulia.

**0.60**

(Village-10 Nos.), Risha (10 Nos.) & Tentulia (10 Nos.) - 1<sup>st</sup> Year (Latibpur); 2<sup>nd</sup> year two villages (Risha) & 3<sup>rd</sup> year (Tentulia).



12.	Providing collection bins/ dustbin	60 nos. of collection bins with stand each in Gokulpur (1 <sup>st</sup> year), Dhekia (2 <sup>nd</sup> year) and Latibpur (3 <sup>rd</sup> year) villages.	<p>30 nos. of collection bins with stand is provided in Gokulpur &amp; Dhekia villages as on September 2023.</p> 	0.15
13.	Infrastructure Development	Construction of 02 nos. community hall- Risha (01 No.)- 1 <sup>st</sup> Year; & Tentulia (01 no)-3 <sup>rd</sup> year	<p>Construction of 01 no. community hall at Risha completed.</p>  <p>Construction of 01 no. community hall at Mahespur completed.</p> 	0.20
14.	Construction/ Development of Sewage pipeline	Construction & development of 0.5 km sewage pipeline for discharge of sewage in Gokulpur Village in 2 <sup>nd</sup> year.	<p>Construction of sewerage line in Gokulpur village approximately 0.5 Km completed.</p> 	0.20

<p><b>15.</b></p>	<p>Street Lighting (Solar/Led) provision at suitable public places</p>	<p>Shyamraipur - 10 Nos. in 1<sup>st</sup> year, Dhekia- 10 Nos. in 2<sup>nd</sup> year and Amdai - 10 Nos. &amp; Risha -10 nos. in 3<sup>rd</sup> year.</p> <p>(01 no. solar LED light with battery &amp; stand @ Rs. 0.50 Lakhs)</p>	<p>Installation of 20 nos. Street Lighting (Solar/Led) provision at suitable public places in village &amp; Dhekia.</p> 	<p><b>0.10</b></p>
<p><b>TOTAL</b></p>				<p><b>3.32 Crores</b></p>