1. Executive Summary:
Solid waste management has become a major environmental issue in India. The increase in population and urbanization are largely responsible for the increase in solid waste. Municipal Solid Waste (MSW) includes mostly residential waste, commercial waste, and market waste, Domestic house waste, street sweeping etc. It consists of biodegradable waste, recyclable waste, inert waste, combustible and non-combustible waste etc.
At present any scientific system is rarely been practiced for the safe disposal of municipal solid waste in city. Inefficient storage, collection, transportation, treatment and disposal of waste lead to contamination of air, surface and ground water, which result in formation of breeding grounds for vectors, pests, rodents, etc. causing public health problems. Proper planning for collection, transportation, treatment and disposal of solid waste are therefore, extremely essential for the protection of environment, health, sanitation and social wellbeing of the people.
Currently, Chirkunda town is generating an average MSW of 13.73 MT with per capita waste generation of approximately 253.80 grams. The Chirkunda Nagar to establish a 25 TPD Integrated MSW Processing and Disposal Facility in Chirkunda town with facilities such as Composting, Refuse Derived Fuel (RDF) for recovery of high calorific value waste, sanitary Landfill (for disposal of inert materials).
As per MOEF & CC Notification of SO No.1533, dated 14th September 2006 and subsequent amendments, the proposed project falls under Item 7 (i) (Common Municipal Solid Waste Management facilities) as per Environmental Impact Assessment Notification dated September 14, 2006 and its amendments.

Table 1-1: Details of the proposed project

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<th>S.No</th>
<th>Information</th>
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<tr>
<td>1</td>
<td>Project Name &amp; Address</td>
<td>Integrated MSW Management Project for Chirkunda Nagar Panchayat at Village-Mauja-Kapasada, Thana No.-255, Khata No- 114, Plot No-123, Rakba-10.0 Acre, District-Dhanbad (Jharkhand).</td>
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|   | Plant Area/Facility | Total Area – 10.0 Acre.  
|   |  | Capacity of Processing Facility: 25 TPD  
|   |  | Compost plant capacity- 15 TPD  
|   |  | RDF plant Capacity - 10 TPD  
|   |  | Sanitary landfill Area - 6496 sqm or 1.40 acres  
| 3 | Name of the Client | Chirkunda Nagar Panchayat.  
| 5 | Water Requirement and its Sources | 11.0 KLD fresh water for operational activities. (Source: PHED supply)  
| 6 | Power Supply and its source | 50 KVA, from JBVNL  
| 7 | Project Cost | 790.22/- Lakhs only  
| 8 | Nearest Railway Station | Barakar Railway station 2.71 km in NE direction.  
| 9 | Nearest State highway (SH) /National Highway (NH) | SH 5 (4.53 km) in SE direction.  
|   |  | NH-2 (4.12) Km) in N direction  
| 10 | Nearest Airport | Birsa munda airport in Ranchi is about 157 km SW direction.  