Green Rating of the Indian Iron and Steel Sector

The companies and how they fared

S. No.	Plant	Score (%)	Award	Highs	Lows
1	**Ispat Industries, Raigad, Maharashtra**	40	Three Leaves	India's least energy consuming plant; low water consumption and water pollution; advanced casting technology	High air pollution; poor safety performance; local fishing community affected due to sea transportation
2	**Essar Steel, Hazira, Gujarat**	39	Three Leaves	Low specific energy and water consumption; lowest GHG emitter; reuses steel melting slag	Poor safety performance and dust emissions control; non-compliance with CRZ regulations
3	**Rashtriya Ispat Nigam Ltd (Vizag Steel), Visakhapatnam, Andhra Pradesh**	36	Three Leaves	Better air pollution management and hazardous waste management practices; advanced coking plant technology	Wastewater discharge not complying with norms; poor safety performance; inefficient utilisation of land
4	**Neelachal Ispat Nigam Limited, Kalinganagar, Odisha**	33	Two Leaves	Advanced coke oven technology; power generation from waste energy	Wastewater discharge not complying with norms; inefficient utilisation of land
5	**Tata Steel Limited, Jamshedpur, Jharkhand**	32	Two Leaves	Advanced technology in newer plants; lowest specific energy consumption and solid waste generated among plants using blast furnace technology; best safety performance	Poor solid waste disposal practices; wastewater discharge not complying with norms; high air pollution from some operations; poor local community perceptions on environmental performance
6	**JSW Steel, Vijaynagar, Bellary, Karnataka**	27	Two Leaves	Low specific water consumption; advanced coke oven and steel-making technology; power generation from waste energy	Poor safety performance; air pollution not complying with norms; high solid waste disposal.
7	**Visa Steel Limited,**	26	Two Leaves	Advanced coke oven	Poor energy efficiency; high air

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	Kalinganagar, Odisha			technology; low water consumption; one of the better performing blast furnaces	pollution; non-compliance with regulations
8	**Godawari Power and Ispat Limited, Raipur, Chhattisgarh**	26	Two Leaves	Advanced DRI kiln technology; utilisation of waste (char) for energy generation; low specific water consumption	Non-compliance with air quality norms; poor material handling and housekeeping; poor safety performance
9	**Jindal Steel and Power Limited, Raigarh, Chhattisgarh**	24	One Leaf	Advanced coke oven technology; low water pollution; new blast furnace with advanced technology	Poor safety performance; poor solid waste management; non-compliance with air pollution norms; poor energy efficiency, poor local community perceptions on environmental performance
10	**Jai Balaji Industries Limited, Banskopa, Durgapur, West Bengal**	23	One Leaf	High blast furnace productivity; good safety performance; one of the better solid waste managers	Not complying with air pollution and wastewater discharge norms; poor energy efficiency
11	**SAIL Rourkela, Odisha**	21	One Leaf	Good waste gas recovery for power generation; one of the better performing steelmaking plants	High energy and water consumption; air pollution and wastewater not meeting the norms; poor solid waste disposal
12	**Bhushan Power and Steel Limited, Sambalpur, Odisha**	20	One Leaf	Technologies like dry gas cleaning for blast furnace, sinter cooler waste heat recovery, non-recovery coke ovens	Very poor solid waste management; not complying with air pollution norms; poor safety performance; poor local community perceptions on environmental performance
13	**Usha Martin, Jamshedpur, Jharkhand**	15	One Leaf	Average blast furnace productivity; entire blast furnace slag sold to cement plants	Very poor solid waste management; very high air pollution – not complying with norms; very poor housekeeping; poor safety performance; poor local community perceptions on environmental performance

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14	**Welspun Maxsteel Limited, Raigad, Maharashtra**	9	No Leaves		Non-transparent; poor disclosure; high dust emissions; poor local community perceptions on environmental performance
15	**SAIL Bhilai, Chhattisgarh**	9	No Leaves		Non-transparent; poor disclosure; high water and energy consumption; inefficient land use; non-compliance with air pollution and water pollution norms; outdated steelmaking technology; poor perception of community about environmental performance
16	**SAIL Durgapur, West Bengal**	7	No Leaves		Non-transparent; poor disclosure; high water and energy consumption; inefficient land use; non-compliance to air pollution and water pollution norms; high toxic pollution from coke oven batteries; poor perception of community about environmental performance
17	**SAIL Bokaro, Jharkhand**	7	No Leaves		Non-transparent; poor disclosure; high water and energy consumption; inefficient land use; non-compliance to air pollution and water pollution norms; high toxic pollution from coke oven batteries; poor perception of community about environmental performance; poor safety performance
18	**Jayaswal Neco Industries**	4	No Leaves		Non-transparent; poor

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	Limited, Raipur, Chhattisgarh				disclosure; high energy consumption; non-compliance to air pollution norms; poor occupational health and safety; poor perception of community about environmental performance
19	**SAIL IISCO Burnpur, West Bengal**	3	No Leaves		Most polluting plant assessed by GRP; non-transparent; poor disclosure; outdated technology; highly non-compliant with all pollution norms; poor perception of community about environmental performance
20	**Monnet Ispat and Energy Limited, Raigarh, Chhattisgarh**	3	No Leaves		One of the most polluting DRI plants assessed by GRP; non-transparent; poor disclosure; not complying with air pollution norms; very high pollution due to solid waste disposal; poor local community perceptions on environmental performance
21	**Bhushan Steel Limited, Dhenkanal, Odisha**	2	No Leaves		The worst performing plant under GRP in all aspects; non-transparent; poor disclosure; high pollution; very poor safety records; very poor solid waste disposal practices; poor local community perceptions on environmental performance