Bhushan POWER & STEEL

Bhushan Power & Steel Limited
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Environment Management Plan Expenditure Incurred & Future Plan

A. Expenditure was incurred by Rs. 693.92 Cr (Capex: 663.51 & Opex : 30.41 Cr) as on 31.03.26 against the cost of Rs. 495.7 Cr (capex) & Rs. 24.64 (Opex) as per the EIA/EMP report of 4.5 MTPA Environmental Clearance vide file No. IA-J-11011/40/2009 -IA-II(I)dated 13.01.23 and amended thereafter on 18.07.23.

S. N	Category	Unit	Environment Management Plan	Cost (Cr)
1	Air Pollution Control Measures	SMS-I	Installation of 4 Nos bag filter in SMS area with volume 10,00000 Nm3/hr for primary and secondary emission	259.09
		SMS-II ZPF (Total project cost 644Cr)	Installation of bag filter in ZPF section of RHMS of capacity 550000 Nm3/hr of each fan total 3 fans	60.0
		Cement Plant	Bag filters 450000 & 30000 Nm3/hr; covered sheds and silos	14.6
		• LCP 4,5 &6: 7 Nos. • BF-1 & Pellet Plant one each (Additional)	• Process bag filter 70000 Nm3/hr, Process bag filter 120000 Nm3/hr + dedusting system Process bag filter 120000 Nm3/hr and 4 nos for dedusting • Additional Bag filter at BF-1 & Pellet Plant	46.6
		• CPP: 250 TPH dual fuel fired Boiler I ESP • Sinter Plant 2-3 ESP	• ESP for waste gas and dedusting system for sinter plant and dedusting system for flux • ESP for 250 TPH boiler 105000 Nm3/hr	135.0
		Tyre Washing	4 tyre washing systems at plant, material gate and RMHS & SMS area	0.56
		Mechanized Road sweeper	4nos. of road sweeper cum vacuum cleaner	1.6
2	Water Pollution Control Measures	RO System	RO ZLD Cokeoven-2 (2200 M3/day)	70.58
		CRM ETP	Installation of CRM ETP 1200 m3/day with equalization, neutralization, clarifier and facilities for treatment of chrome passivation wastewater	22.0
		STPs	Augmentation of STP from 1900m3/day to 2300 m3/day	2.0
		Rainwater harvesting sump and cooling tower blow down sump	Construction of 12 nos of catchpits for storm water for proper treatment and discharge of excess water	2.0
		Paste Thickener	Installation of Paste Thickener at Beneficiation plant	20.61

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S.No	Category	Unit	Environment Management Plan	Cost (Cr)
3.	Solid Waste Management	SMS Slag Management	Installation of 150+300 TPH slag crusher for utilization of SMS Slag	5.5
		Domestic Solid Waste Management	Composting Plant for plant MSW	0.2
		Hazardous Waste Management	Storage Area for Hazardous waste with impermeable liner and covered shed at CRM & rolling mill area	1.5
4	Green Belt Development	Green Belt Development	Development of 33% Greenbelt all along the boundary wherever space is available & three tire plantation	11.82
5	Environment Monitoring	Establishment of Environment Laboratory	Establishment of Environmental Laboratory with all lab equipment's/instruments and necessary infrastructure	3.0
		Online Monitoring System	Installation of CEMS, CAAQMS, CEQMS and Flow Meter	3.35
6	Noise Control Neasures	VPSA	Noise Control Measures	3.5
7.	**Recurring Cost**			**30.41**
Grand Total				**693.92**

B. Budget Allocated for further installation/upgradation/operation of APC, WPC Waste Management, Greenbelt Development & CER Activities

S.No	Category	Capex in Cr	Opex in Cr
1	Air Pollution Control Measures	400	16.8
2	Water Pollution Control Measures	0	12.52
3	Green Belt Development	10.8	0.76
4	Environment Monitoring	3.7	1.5
5	Solid Waste Management	0.6	74.82
6	CER Compliance	50	0
Grand Total		**465.1**	**106.4**

