F. No. J-11011/40/2009-IA-II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi – 110 003

E-mail : aditya.narayan@nic.in
Telefax : 011: 2436 0549
Dated 17th October, 2012

To

The Director
M/s Bhushan Power & Steel Limited
15-17, Tolstoy Marg,
4th Floor, Tolstoy House
Connaught Place, New Delhi - 110 019

Fax: 011- 26478750; E-mail: scwahiebhushan@yahoo.co.in/bhushanorissa@yahoo.com

Sub: Steel Plant (from 2.8 MTPA to 3.0 MTPA) at P.O. Lapanga, Village Thelkoloi, Tehsil Rengali, District Sambalpur in Orissa by M/s Bhushan Power & Steel Limited - **regarding amendment in environmental clearance due to change in few equipments configuration and increase in production capacity 2.8 MTPA to 3.0 MTPA.**

Sir,

This is in continuation of this Ministry's letter of even no. dated 02.04.2010 and your subsequent communications dated 29.02.2012, 02.04.2012 and 22.05.2012 requesting the Ministry for an amendment in environmental clearance issued for 2.8 MTPA due to change in few equipments configuration and increase in the production capctity from 2.8 MTPA to 3.0 MTPA.

2. It is noted that the reconfiguration proposal involves change in configuration of blast furnace from 550 m^3 to 2015 m^3, recovery type Coke Oven Plant from 0.7 MTPA to 1.0 MTPA, Sinter plant from 60 m^2 to 204 m^2, addition of new VD/AOD and lime plant of 600 TPD capacity. The justification for above is that, scarcity in availability of quality raw material for DRI production resulting in lower production i.e. 1.8 MTPA in place of designed capacity of 2.4 MTPA. To compensate the shortage of DRI, additional hot metal (about 1.4 MTPA) is required. Hence, the higher capacity of blast furnace is envisaged. Accordingly, other facilities also need to be reconfigured. There is no additional land requirement, no additional raw water to be drawn from the source and the additional power requirement will be met through the existing CPP.

3. The details of earlier as well as the revised configuration of the project are as follows:

S. N.	Plant Units	Environmental Clearance Granted	Proposed Reconfiguration	Final Plant Configuration
1	Coal Washery	(1x1.0)+(1x3.5) MTPA	No Change	(1x1.0)+(1x3.5) MTPA
2	Ore Beneficiation Plant	(1x1200) TPH	No Change	(1x1200)TPH
3	Pallet Plant	(1x3.50) MTPA	No Change	(1x3.50) MTPA
4	DRI Kilns	(14x500) TPD	No Change	(14x500) TPD
5	Sinter Plant	(1x105)+(1x60)m^2	1x105 m^2 in operation.	(1x105)+(1x204) m^2

			The capacity of new Sinter Plant will be of 204 m^2 instead of 60 m^2	
6	Coke Oven	(2x0.45)MTPA (Non Recovery Type)	No Change	(2x0.45) MTPA (Non Recovery Type)
		(1x0.70)MTPA (Recovery Type)	New recovery type coke oven shall be of capacity 1.0 MTPA with 94 ovens of 5.5 m tall instead of 0.70 MTPA	(1X1.0) MTPA (Recovery Type)
7	Blast Furnace	(1x1008)+(1x550)m^3	(1x1008) m^3 Blast Furnace in operation. The new Blast Furnace shall be of 2015 m^3 instead of 550 m^3	(1x1008)+(1x2015) m^3
8	SMS			
a)	EAF (Electric Arc Furnace)	(4x90)+(2x100)T	The 4x90 T furnaces will be modified to 4x100 T & 2x 100 T shall remain same.	(6x100)T
b)	LF (Ladle Furnace)	(4x90)+(2x100)T	The 4x90 T furnaces will be modified to 4x100 T & 2x100 T shall remain same.	(6x100)T
c)	VD (Vacuum Degasser)	---	New 2x100T VD is proposed	(2x100)T
d)	IF (Induction Furnace)	4x15T	No Change	(4x15) T
e)	AS (Alloy Smelter)	4x16 MVA	No Change	(4x16) MVA
f)	Billet Caster	(1x2)+(1x4)+(1x5) Strand	Additional new (1x4) strand is proposed	(1x2)+(2x4)+(1x5) Strand
g)	Bloom Caster	---	(1x2) Strand new bloom caster is proposed.	(1x2) strand
h)	Thin Slab Caster	(2x1) Strand	No Change	(2x1) Strand
9	CSP (Hot Rolling Mill)	1.8 MTPA	No Change	1.8 MTPA
10	Wire & Rod Mill	0.45 MTPA	No Change	0.45 MTPA
11	Heavy Bar & Rod Mill	0.55 MTPA	No Change	0.55 MTPA
12	Pipe & Tube Mill	0.20 MTPA	No Change	0.20 MTPA
13	Cold Roll Mill	1.00 MTPA	No Change	1.00 MTPA

14	Galvanising / Galvolume Unit	0.50 MTPA	No Change	0.50 MTPA
15	Colour Coating Unit	0.45 MTPA	No Change	0.45 MTPA
16	Oxygen Plant	(1x400)+(1x660) TPD	No Change	(1x400)+(1x660) TPD
17	Lime Plant	(3x300)TPD	Additional 1x600 TPD Lime Plant is proposed.	(3x300)+(1x600) TPD
18	Dolo Plant	(1x300)+(1x100) TPD	No Change	(1x300)+(1x100) TPD
19	Captive Power Plant	560 MW	No Change	560 MW
20	Cement Plant	1.0 MTPA	No Change	1.0 MTPA

4. The proposal was placed before the Expert Appraisal Committee (Industry-1) in its 36th Meeting of held during 24th & 25th May, 2012 and 37th Meeting held during 14th – 15th June, 2012. The Committee noted that with various technological advantages of the proposed new units such as Emission Optimized Sintering (EOS) – Closed Hood sintering bed, emission control system mounted on coal charging and coke pushing car with stand alone bag filter, Hot Blast Temperature, there will be reduction in the pollution load. There would be decrease in emission load regarding PM, SO_2 and NO_X and the GLCs after proposed reconfiguration are within the limits. The water requirement and wastewater generation would increase marginally, but zero discharge would be maintained. There would be decrease in the solid waste from DRI plant and increase from blast furnace, sinter plant, coke oven plant etc. but, shall be recycled/reused.

5. It was also noted that there is no increase in land requirement and reconfiguration will be in the existing land area of 2035 acres, no additional raw water to be drawn from the source, the additional power requirement will be met from the existing CPP, there is decrease in air pollution load, zero discharge of wastewater & recycle/reuse of the solid waste. The company has covered an area of 225 acres under the green belt.

6. The Committee recommended for the amendment in the environmental clearance dated 2nd April, 2010 due to change in the configuration of sinter from 1x60 m^2 to 204 m^2, recovery type coke over plant from 0.70 MTPA to 1.0 MTPA, blast furnace from 1x550m3 to 2015 m^3 subject to the stipulation of environmental safeguards.

7. The Ministry accepts the recommendation of the Expert Appraisal Committee for amendment of environmental clearance due to reconfiguration of blast furnace from 550 m^3 to 2015 m^3, recovery type Coke Oven Plant from 0.7 MTPA to 1.0 MTPA, Sinter plant from 60 m^2 to 204 m^2, addition of new VD/AOD and lime plant of 600 TPD capacity and consequently increase in the plant capacity from 2.8 MTPA to 3 MTPA subject to stipulation of following additional environmental safeguards:

i. The company shall comply with all the conditions stipulated vide Ministry's letter of even number dated 2.04.2010 by the State Pollution Control Board.

ii. The Company shall submit within three months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard operating process/ procedure to being into focus any infringement/deviation/violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.

8. In future, in case of change in the scope of the project, the company shall obtain fresh environmental clearance.

9. This issues with the prior approval of the Competent Authority.

Yours sincerely,

(A.N. Singh)
Dy. Director (S)

Copy to:-

1. The Secretary, State Department of Environment, Govt. of Orissa, Bhubaneswar, Orissa.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi, 110 032.
3. The Chairman, Orissa Pollution Control Board, Parivesh Bhavan, A/118, Neelkanthhanagar, Unit-8, Bhubaneswar - 751 012, Orissa.
4. The Chief Conservator of Forests (Eastern), Regional Office (EZ), A/3, Chandrasekharpur, Bhubaneswar - 751 023, Orissa.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File / Record File.

(A.N. Singh)
Dy. Director (S)