

June 17, 2022

To,
The Director (Industry-1)
Ministry of Environment, Forests & Climate Change (I.A Division)
Indira Paryavaran Bhawan,
Jor Bagh Road, Aliganj,
New Delhi – 110003.

Sub : Expansion of Steel Plant from its current capacity of 0.2 MTPA to 1.0 MTPA finished Steel products – Establishment of new Iron Ore Beneficiation unit (16,10,000 TPA), New Iron ore Pelletization Plant (14,00,000 TPA), New Coal Gasifier (30,000 Nm³/hr.), Expansion of sponge iron production through DRI Kilns from 90,000 TPA to 11,17,800 TPA, Expansion of Hot Billets / Slabs / production by installing 2 x 40T Induction Furnaces (Hot Metal: 3,31,200TPA) to enhance billet production from 1,29,600 TPA to 4,80,240 TPA and 1 x 40T Electric Arc Furnace (Hot Metal: 3,03,600TPA) to enhance total steel production from the current level of 0.2 MTPA to 1.0 MTPA along with LRF, establishment of Vacuum Degassing unit 3,20,160 TPA, De-phos converter - 1,51,200 TPA, Rolling Mills - Long Products [(Expansion of TMT bars production from 1,00,000 TPA to 2,20,000 TPA), New Wire Rod Mill 3,60,000 TPA & New Wire Products Unit 42,000 TPA], Rolling Mills -Flat Products (New Strip Mill (3,20,160 TPA), New GC/GA Unit (30,000 TPA), New Saw Pipes unit (1,80,000 TP) & New Cold Rolled Products Unit (60,000 TPA)], Expansion of WHRB based Power Plant from 7.1 MW to 73.1 MW, New FBC based Power Plant of 37.0 MW, New 2 x 11 MVA Submerged Electric Arc Furnaces to produce Ferro Alloys (FeSi – 18,600 TPA / SiMn – 38,400 TPA / FeMn – 67,200 TPA / FeCr – 40,000 TPA), New Oxygen Plant (12,000 m³/day), New Briquetting Plant (244 kg/Hr), Brick Manufacturing Unit (10,000 bricks/day to 64,000 bricks/day) at Villages: Heggere & Kaparahalli, Taluk: Challakere, District: Chitradurga, Karnataka - **Submission of Form I & Prefeasibility Report** - Reg.

Ref : EC issued by Ministry vide letter F. No. J-11011/325/2010/ IA II (I) dated 22nd December 2011.

Respected Sir,

Prakash Sponge Iron & Power Pvt. Ltd is an existing steel plant located in Heggere and Kaparahalli Villages, Challakere Taluk, Chitradurga District, Karnataka. As per the Environment Clearance accorded by the MoEF, New Delhi vide F. No. J-11011/325/2010/ IA II (I) dated 22nd December 2011, the total land envisaged for the project was 200 acres, however, 168.225

acres (i.e. 68.11 Ha.) could only be acquired. Hence, we request to consider our existing land as 168.225 Acres only.

Now it is proposed to go for expansion, which will be implemented partly in the existing plant premises and partly in the additional land which is adjacent to the existing plant comprising of Heggere & Kaparahalli Villages at Challakere Taluk, Chitradurga District, Karnataka.

Following is chronology of permission obtained:

- Obtained Environmental Clearance for Existing Sponge Iron plant of 100 TPD (30,000 TPA) from SEIAA, Karnataka vide letter no. SEIAA:22: IND:2009 dated 8th January 2010.
- Obtained Consent for Establishment for 30,000 TPA Sponge Iron plant from Karnataka State Pollution Control Board (KSPCB) vide letter No. PCB/1562/SEO/MINES/CFE/2009-10 dated 1st April 2010.
- Obtained Environment Clearance for manufacture of 1,80,000 TPA Sponge Iron, 2,96,200 TPA Steel from Induction Furnace, 1,50,000 TPA Bar & Rod Mill, 1,20,000 TPA Light Structural Mill, WHRB Power Plant (12 MW) and FBC Power Plant (33 MW) from MoEF, New Delhi vide F.No. J-11011/325/2010/ IA II (I) dated 22nd December 2011.
- Obtained Consent for Establishment for 1,80,000 TPA Sponge Iron, 2,96,200 TPA Induction Furnace, 1,50,000 TPA Bar & Rod Mill, 1,20,000 TPA Light Structural Mill, WHRB Power Plant (12 MW) and FBC Power Plant (33 MW) from Karnataka State Pollution Control Board vide letter No.69/PCB/MIN/CFE/2011-12/908 dated 18th February 2012.
- Presently, existing plant in operation is 3 x 100 TPD Sponge Iron, 1,29,600 TPA Induction Furnace, 1,00,000 TPA Bar & Rod Mill, 1,00,000 TPA Light structural Mill **with CTO issued** by KSPCB vide order No. AW-325409 dated 24th June 2021 and is valid till **30th June 2026**.

Now as part of expansion, the company is proposing to expand the steel plant from its current capacity of 0.2 MTPA to 1.0 MTPA finished Steel products – Establishment of new Iron Ore Beneficiation unit (16,10,000 TPA), New Iron ore Pelletization Plant (14,00,000 TPA), New Coal Gasifier (30,000 Nm³/hr.), Expansion of sponge iron production through DRI Kilns from 90,000 TPA to 11,17,800 TPA, Expansion of Hot Billets / Slabs / production by installing 2 x 40T Induction Furnaces (Hot Metal: 3,31,200TPA) to enhance billet production from 1,29,600 TPA to 4,80,240 TPA and 1 x 40T Electric Arc Furnace (Hot Metal: 3,03,600TPA) to enhance total steel production from the current level of 0.2 MTPA to 1.0 MTPA along with LRF and Converter, establishment of Vacuum Degassing unit 3,20,160 TPA, De-phos converter - 1,51,200 TPA, Rolling Mills - Long Products [(Expansion of TMT bars production from 1,00,000 TPA to 2,20,000 TPA), New Wire Rod Mill 3,60,000 TPA & New Wire Products Unit 42,000 TPA], Rolling Mills -Flat Products (New Strip Mill (3,20,160 TPA), New GC/GA Unit (30,000 TPA), New Saw Pipes unit (1,80,000 TP) & New Cold Rolled Products Unit (60,000 TPA)], Expansion of

WHRB based Power Plant from 7.1 MW to 73.1 MW, New FBC based Power Plant of 37.0 MW, New 2 x 11 MVA Submerged Electric Arc Furnaces to produce Ferro Alloys (FeSi – 18,600 TPA / SiMn – 38,400 TPA / FeMn – 67,200 TPA / FeCr – 40,000 TPA), New Oxygen Plant (12,000 m³/day), New Briquetting Plant (244 kg/Hr), Brick Manufacturing Unit (10,000 bricks/day to 64,000 bricks/day).

Following is the plant configuration and production capacity:

S.No.	Units (Products)	Existing Plant	Proposed Expansion	Total After Proposed Expansion
1.	Iron Ore beneficiation (Concentrated Iron Ore)	Nil	1 x 1.61 MTPA (16,10,000 TPA)	1 x 1.61 MTPA (16,10,000 TPA)
2.	Iron ore Pellet Plant (Pellets)	Nil	2 x 0.7 MTPA (14,00,000 TPA)	2 x 0.7 MTPA (14,00,000 TPA)
3.	Coal Gasifier (Producer Gas)	Nil	30,000 Nm ³ /Hr.	30,000 Nm ³ /Hr.
4.	DRI Kilns (Sponge Iron)	90,000 TPA (3 x 100 TPD)	9,93,600 TPA (4 x 420 TPD, 2 x 600 TPD) & Increase in Production in existing DRI kilns from 90,000 TPA to 1,24,200 TPA due to usage of Pellets and imported coal considering 345 days of operation per annum.	11,17,800 TPA
5.	Induction Furnaces with LRF (12 T) & CCM of Suitable capacity (Hot Billets / Billets / Ingots)	1,29,600 TPA (3 x 12 T) along with LRF of 12 T capacity	3,31,200 TPA (2 x 40 T) along with 2 X 40 T LRF (3,20,000 TPA) & Increase in Production of existing IF from 1,29,600 TPA to	4,80,240 TPA

S.No.	Units (Products)	Existing Plant	Proposed Expansion	Total After Proposed Expansion	
			1,49,040 TPA considering 345 days of operation		
6.	Electric Arc Furnace (Billets/ Slabs) with VD, CCM and Slab caster	----	3,03,600 TPA (1 x 40 T)	3,03,600 TPA	
7.	Dephosphorization Converter	---	1,51,200 TPA	1,51,200 TPA	
8.	Vacuum Degassing	---	3,20,160 TPA	3,20,160 TPA	
9.	Rolling Mills (Long Product)	TMT bars	1,00,000 TPA	6,80,000 TPA	
		WRM	---		
		Structural steel	1,00,000 TPA		
10.	Rolling Mills (Flat Product)	Strip Mill	---	3,20,000 TPA (GC/GA – 30,000 TPA, Saw Pipes – 1,80,000 TPA, Cold Rolled Products – 30,000 TPA, Strips – 80,000 TPA)	
10.	Ferro Alloys (FeSi / SiMn / FeMn / FeCr)	---	FeSi – 18,600 TPA / SiMn – 38,400 TPA / FeMn – 67,200 TPA / FeCr – 40,000 TPA (2 x 11 MVA)	FeSi – 18,600 TPA / SiMn – 38,400 TPA / FeMn – 67,200 TPA / FeCr – 40,000 TPA (2 x 11 MVA)	
11.	Power Plant	WHRB	7.1 MW	66 MW	73.1 MW
		FBC	---	37 MW	37 MW
12.	Oxygen Plant / Storage	---	12,000 m ³ /day	12,000 m ³ /day	
13.	Brick Manufacturing Unit	10,000 Bricks/day	54,000 Bricks/day	64,000 Bricks/day	
14.	Briquetting Plant	---	244 kg/hr.	244 kg/hr.	

Existing plant is located in 68.08 Ha. (168.225 Acres) of land. Additional land of 134.75 Ha. (332.775 Acres) is envisaged by management adjacent to the existing plant. Proposed expansion will be taken up partly in the existing land and partly in the additional land adjacent to the existing plant premises. Total land after the proposed expansion will be 202.83 Ha. (501.0 Acres).

Following are the details of survey no. of total land of 501.0 Acres in Heggere & Kaparahalli Villages:

S. No.	Land particulars	Extent (In Acres)	Extent (In Ha.)	Survey No.
1.	NA Converted Existing Plant Area	168.225	68.11	42/1, 42/2, 42/3, 42/4, 42/5, 43/1, 43/2, 44/3, 39/3, 36/1, 43/3, 81/2, 80/1, 37, 35/10, 35/2, 35/6, 35/9, 38/2, 81/1, 35/7, 74/1, 82/3, 83/2, 35/8, 38/1, 74/6, 80/2, 82/1.
2.	Additional land acquired for proposed expansion (Registered)	246.500	99.79	74/3, 44/5, 32/6, 62/9, 66/10, 66/11, 71/1, 76/4, 91/3, 199/3, 199/4, 73/4, 94/4, 62/4, 73/1, 96/2, 62/5, 62/6, 71/4, 76/8, 76/9, 64/1, 96/8, 61/5, 72/2, 72/4, 72/5, 72/3, 72/7, 72/8, 72/9, 61/3, 73/5, 96/1, 62/7, 83/5, 62/8, 95/2, 76/1, 70/1A2, 70/6, 71/2, 76/10, 61/2, 64/2, 64/4, 76/7, 84/2, 95/1, 74/4, 74/5, 83/3, 83/4, 83/6, 83/7, 83/8, 73/6, 95/6, 95/7, 73/7, 62/10, 73/2, 73/3, & 73/8
3.	Land for which purchase agreements have been made	12.075	4.89	62/1, 71/5 & 63/1.
4.	Land proposed to be purchased	74.200	30.04	74/2, 74/7, 74/8, 74/9, 74/3, 74/10, 75/2, 75/1, 72/1, 72/6, 76/2, 71/3, 78/3, 76/3, 76/6, 76/5, 70/1A1, 61/1, 61/4, 61/6, 70/2, 78/5, 78/4, 59, 63/2, 63/4, 35/4, 35/5, 39/2, 39/1, 35/3, 82/2, 83/1, 95/5, 84/1, 84/4, 95/4, 95/3, 96/3, 96/4, 96/7, 96/5 & 96/6.
	Total	501.000	202.83	

As per the Ministry of Environment, Forests and Climate Change, EIA Notification dated 14th September, 2006 and its subsequent amendments, we are here with submitting Form I along with the Pre-feasibility Report (PFR) for approval of Terms of Reference (TOR) for EIA study.

We request your good selves to kindly consider our application and issue us TOR for EIA study for obtaining Environmental Clearance at the earliest.

Thanking you,

Yours faithfully

For, Prakash Sponge Iron & Power Private Limited

A handwritten signature in blue ink, appearing to read 'R. Praveen Chandra'.

(R. Praveen Chandra)
Managing Director